

# K7LED

# RELAY

AN  
ARRL  
AFFILIATED  
CLUB

Club Radio Officer: Ken Rau K7YR

NEAR SEATTLE, WASHINGTON

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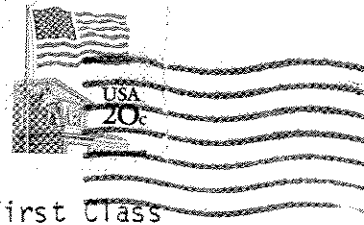
### CLUB OFFICERS

President	Deborah de Jong	N7AVO	Trustee No. 1	Mike Cross	WB7AYU
Vice President	Chuck Grazier	WA7RJT	Trustee No. 2	Jack Burrell	KB7ZS
Secretary	Diana Becker		Trustee No. 3	George Boross	N7BT
Treasurer	Dick Lundstrom	WA7UEW	Trustee No. 4	Hal Goodell	N7NW
Activity Mgr	Gene Jacobson	WA7TAI	Trustee No. 5	Ray Leslie	WA7EKH

The K7LED RELAY is the official publication of the MIKE and KEY AMATEUR RADIO CLUB, 23206 SE 53rd, Issaquah, WA. 98027. The Club meets the third Saturday of each month at 10 a.m. at "The Good Neighbor Center", 305 S 43rd St. Renton, WA. All "Hams" invited.

The Mike and Key net meets each Sunday morning at 10 a.m. on 3930 kHz with Novice and CW check-in on 3730 kHz and VHF on 146.58 MHz and K7LED/R 52.37-53.37 MHz.

K7LED RELAY EDITOR  
13517 117th Ave NE  
Kirkland, WA. 98033



First Class

### REPEATER FREQUENCY

**147.08-68**

### BOARD MEETING

Leslie's QTH, 1400 HRS  
12 Jan 84

K7WTB  
PETE HEDBERG  
20904 NE 77TH ST  
REDMOND WA 98052

### CLUB MEETING

at UGN on 17 Dec  
at 1000 HOURS -  
"Fleamarket" meeting  
here at 0830.

### ACTIVITY NIGHT

4 JAN 84 - at H.D.  
HOTSPURS, KENT.  
SURPRISE PROGRAM  
START at 1830

✓ Effective January 3, 1984, antenna data collected on FCC Forms 714 and 610 (question 9) will be eliminated. Amateur Radio operators who propose antennas exceeding the Commission standards will have to submit Form 854 to the FCC Field Operations Bureau's Antenna Survey Branch, Washington, DC 20554. The new forms are available from the FCC Consumer Assistance Branch, Gettysburg, PA 17325, any District Office, or ARRL Hq.

✓ FCC released the 1984 Examination Schedule, and it has bad news for hams planning to upgrade during the coming year. Examination opportunities at the Field Offices have been reduced to being only quarterly — and the applicant must file with the Office approximately one month before the exam. Examination opportunities in cities not having a Field Office have been reduced or eliminated. Complete details of the schedule will appear in January QST.

Although it had been anticipated that FCC would phase out conducting Amateur Radio Examinations in its Field Offices as the Volunteer Exam program phases in, the reductions seem premature to many Amateur Radio observers. According to FCC sources, these reductions are the direct result of budgetary planning conducted approximately 18 months ago and have little to do with the Volunteer Exam program.

✓ The ARRL filed comments with the FCC making recommendations concerning RF light bulbs (General Docket No. 83-806 Vol. 2, No. 16): (1) The packaging for each RF lighting device should indicate that the manufacturer is responsible to solve interference problems caused by the bulb, and (2) a "point of contact" with the company should be identified. This will help ensure that amateurs will not be blamed for interference problems caused by the RF-emitting lamp. Experiments conducted by the ARRL Technical Department on one type of RF bulb indicate that there could be interference to a radio receiver located near one of the new lamps. However, interference is not likely to be a problem for a typical hf Amateur Radio station using an outdoor antenna.

The League warns, however, that if other RF lamps emit higher levels of radiation than those tested, more regulation will be required, such as maximum emission level limits.

✓ On November 3, Senator Barry Goldwater, K7UGA, introduced legislation to permit the recovery of out-of-pocket expenses in the Volunteer Examiner Program. The bill says that "(t)he total amount of allowable cost reimbursement per examinee shall not exceed \$4, adjusted annually every January 1 for changes in the Department of Labor Consumer Price Index. Such individuals and organizations shall maintain records of out-of-pocket expenditures and shall certify annually to the Commission that all costs for which reimbursement was obtained were necessarily and prudently incurred."

✓ Representatives of ARRL Hq. met with FCC staffers in Washington Tuesday the 8th to discuss the Element 3 Question Pool. Several hundred multiple choice questions submitted to FCC have been rewritten by the Commission into non-multiple choice format — some yes/no, some single-word answer, some short answer, etc. The result is a pool lacking in uniformity of quality and difficulty, which could lead to a program in which the standards may not be uniform.

The Commission remains firm in its insistence on flexibility in the test format. Claiming a desire not to overregulate, FCC wants the responsibility for consistency of exam administration standards to be the VEC's as monitored by the FCC. Their control will consist of requiring VECs to submit pass/fail rate summaries of all test sessions to guard against overzealous or overly permissive Volunteer Examining teams or VECs.

FCC released the 500-question pool last week. It is available from FCC Field Offices or from ARRL Hq. for an s.a.s.e. Ask for a copy of PR Bulletin 1035-B (October 1983), Questions for the Element 3 Amateur Radio Operator License Examination.

✓ The FCC released an Order November 2 declining to allocate additional frequencies for 10-meter repeaters (P.R. Docket No. 83-483). The denial was based on the adverse impact which could occur to other operations, particularly amateur satellites, and upon the lack of a compelling need. As authorized by the ARRL Executive Committee, ARRL had filed comments in July requesting denial based on similar reasoning. (Vol. 2, No. 16 and QST, October 1983, p. 60.)

✓ The U.S. District Court for the Western District of Oklahoma has granted a request from the City of Oklahoma City for summary judgment in the case brought against the City by Charles M. Guschke, N5SW. The Court rejected Guschke's arguments that a 50-foot height limitation was an illegal infringement of the rights granted by his federal license, and an unconstitutional denial of his rights of freedom of speech, due process and equal protection. The Court stated, "Defendant City's zoning ordinances are constitutional and do not deny Plaintiff any federally protected rights."

ARRL had provided quite a bit of

research support to Guschke's attorney, Micheal Salem, N5MS, and had filed two amicus briefs in support of Guschke's arguments. Financial support of \$1,000 also was provided, by action of the Executive Committee last April, in recognition of the financial support given to the case by the Oklahoma City amateur community.

An appeal is planned.

✓ The FCC Rule Book, ARRL's volume containing a complete Part 97 and guide to the regulations, is being updated. The next edition should be available in early 1984.

✓ The presiding Judge Hon. Manuel L. Real has "affirmed in part and reversed in part" an appeal from Richard A. Burton, ex-WB6JAC, of Reseda, California. Burton was convicted and sentenced to jail for continuing to operate his station after the FCC revoked his license last year. (See "League Lines" for August, 1982.)

Burton was convicted of operating a transmitting apparatus without a license broadcasting obscene language. The court reversed the conviction of broadcasting obscene language, because of lack of evidence, but affirmed the conviction for broadcasting without a license.

✓ Our members sometimes complain, "I always get my other magazines on time, but QST is always late." The Red Tag News Publications Association keeps track of Postal Service performance. An average of only 32% of the monthly magazines mailed in the U.S. were delivered within the Postal Service delivery standard. The worst area: Philadelphia with 8% on time. The best: Miami with 73%!

✓ Before its holiday recess, Congress took favorable action on the legislation needed to permit Volunteer Examiner Coordinators (VECs) to recoup expenses. The legislation was added to H.R. 2755 (the FCC authorization bill), which is now on its way to the President for his signature. ARRL will now work toward early FCC action making to implement expense recoupment for VECs and will continue to develop language for an agreement between ARRL and FCC.

✓ The article on RF light bulbs in the last issue contained an error: ARRL's first recommendation is that each package should indicate that it is incumbent upon the manufacturer of the device to advise consumers of remedies to interference problems. ARRL does not recommend that the manufacturers cure the interference problems, as long as the buyer is aware, prior to purchase, of the interference potential.

✓ The FCC released a Public Notice on November 17 announcing the establishment of a temporary third-party agreement between the U.S. and Grenada (J3). This agreement will expire on December 10, pending the negotiation of a permanent agreement.

I have heard via the old reliable grape vine, that one of our members has recently married!!!, wonder if that is going to motivate him to the club meeting or cause him to stay closer to home.

Some of you have been advised by a attached note in your relay reminding you of the expiration date of your club membership. I will continue doing this as we don't want to loose you from our club.

	DIANNA	BECKER	21112 NE 60TH PL	REDMOND	WA	98052	885-1941	6-74	1-84
	ETHEL	BROWN	2200 SW BARTON	SEATTLE	WA	98126		10-70	LIFE
	SANDY	BUCHER	16626 35TH AVE SO	SEATTLE	WA	98188		3-83	3-84
	DAVID	GIPSON	11451 SE 86TH ST	RENTON	WA	98056		1-83	1-84
N7AMX	KARL	DE JONG	20903 NE77TH ST	REDMOND	WA	98052	883-3012	6-78	6-84
W7AQ	YAKIMA	A. R. C.	P.O. BOX 9211	YAKIMA	WA	98909			
WA7AVC	GORDON	CADY	9216 38TH AVE NE	SEATTLE	WA	98115	527-1387		11-84
N7AVO	DEBRA	DE JONG	20903 NE77TH ST	REDMOND	WA	98052	883-3012	1-79	1-84
N7ANW	ERNIE	DAVIS	P.O. BOX 66254	PORTLAND	OR.	97266			7-84
WB7AYU	MIKE	CROSS	5003 SW HANFORD	SEATTLE	WA	98116	935-2688	8-75	7-84
KA7BQY	BILL	KINSINGER	19811 SE 370TH PL	AUBURN	WA	98002	833-7779	6-82	6-84
N7BT	GEORGE	BOROSS	4058 S 262ND ST	KENT	WA	98032	852-9412	3-79	3-84
W7BUN	JERRY	SELIGMAN	12306 80TH AVE E	PUYALLUP	WA	98371	845-7562	3-79	4-84
N7COO	DAN	BUCHER	16626 35TH AVE SO	SEATTLE	WA	98188		6-79	6-84
K7CR	CLAY	FREINWALD	8515 IDLEWOOD DR SW	TACOMA	WA	98489	584-2988	3-74	6-85
KA7CYY	TONY	ALIX	24433 14TH AVE SO	KENT	WA	98031	824-4176	12-79	12-83
WB7DVX	LINDA	HOLT	PO BOX 105A	MANSON	WA	98831		12-75	1-84
WA7E8H	CHARLES	STROEHER	13614 SE 43RD ST	BELLEVUE	WA	98006	747-7833	10-70	1-84
WA7EJY	ARCHIE	BRUSH	225516 30TH AVE SO	SEATTLE	WA	98188	878-2833	10-70	1-84
WB7EKG	VICKI	WARNER	638 PARK RD	WINLOCK	WA	98596		9-76	
WA7EKH	RAY	LESLIE	13517 117TH AVE NE	KIRKLAND	WA	98033	821-4188	10-70	1-84
WA7ELI	LEW	RANBO	11605 NE 150TH PL	BOTHELL	WA	98011	488-9120	1-71	7-84
WB7EMS	HAL	PARRIS	3405 SO 176TH #-128	SEATTLE	WA	98188	244-0641	2-82	2-84
N7EZX	DAN	EMPENGER	16203 S.E. 29TH PL	BELLEUVUE WA	98008		3-83	3-84	
WA7GHZ	RALPH	CORNELL	21211 4TH AVE SO	SEATTLE	WA	98148	878-8119	9-72	1-85
W7GPN	JIM	STRANS	23252 SE 54TH PL	ISSAQUAH	WA	98027	392-5554	3-74	1-84
K7GSE	FRANK	REXINGTON	212 225TH PL SE	BOTHELL	WA	98011	486-6610	10-80	1-84
WA7H06	JOHN	REHNSTROM	9621 9TH NW	SEATTLE	WA	98117	783-2489	1-71	1-85
KH6ITL	JOE	KOENIG	13764 NE 12TH ST	BELLEVUE	WA	98005	644-4517	4-83	4-84
KC7JI	LARRY	DOUGLAS	5702 154TH AVE NE	REDMOND	WA	98052	881-0775	2-83	2-84
W7JIE	M.L.	GIBSON	1215 N 28TH PL	RENTON	WA	98055	226-4222	4-75	4-84
W7JWJ	HARRY	LEWIS	10352 SANDPOINT WAY NE	SEATTLE	WA	98125	523-9117	2-74	2-84
WA7K0K	DON	REINBAUGH	20175 45TH NE	SEATTLE	WA	98155	362-9189	8-74	1-84
W7K0X	DICK	DIETSCH	16807 NE 89TH	REDMOND	WA	98052	885-6559	4-82	1-84
K7K0T	STEVE	TILLET	1642 BROWNS PT BLVD	TACOMA	WA	98422	927-5456	10-70	1-84
KB7LM	BOB	RULIFSON	14232 SE 23RD	BELLEVUE	WA	98007	746-5192	12-77	12-83
WA7L0Q	JIMMY	SUTTON	3516 SW 343RD	FEDERAL WAY	WA	98003	927-7008	7-75	7-84
K7MF	RICK	SCHAAK	RT 1 BOX 114	VAUGHN	WA	98394	884-2457	4-77	2-84
KC7MO	ROYCE	CHILDRESS	23604 98TH AVE SO	KENT	WA	98031	854-1927	6-83	6-84
KA7MOM	SHIRLEY	DOUGLAS	5702 154TH AVE NE	REDMOND	WA	98052	881-0775	2-83	2-84
WA7MSD	PAT	CARSON	4114 NE 22ND PL	RENTON	WA	98056		3-72	6-84
K7ND	JIM	CHRISTIANSEN	22105 7TH PL W	BOTHELL	WA	98011	481-4892	10-70	7-83
WA7N1W	DICK	RADFORD	3003 169TH AVE NE	BELLEVUE	WA	98008	883-0662	7-72	1-84
KB7NM	BOB	DONNELL	4522 BROOKLYN AVE SE #316	SEATTLE	WA	98105	634-2820	2-80	2-85
N7NW	HAL	GOODELL	35916 11TH SW	FEDERAL WAY	WA	98003	927-7603	2-74	1-84
WN7NXC	LES	JACOBS	14300 NE 103	BOTHELL	WA	98011	821-8839	11-74	1-84
KB70S	CHUCK	FOLTZ	2820 179TH NE	REDMOND	WA	98052	881-6026	4-83	4-84
WA70XN	BOB	Mc SAHUEY	14840 74th PL NE	BOTHELL	WA	98011	488-7841		5-84
K7PBT	DICK	GEHRING	21620 116th SE	KENT	WA	98031			10-84
K7PFR	JOHN	BECKER	21112 NE 60TH PL	REDMOND	WA	98052	885-1941	10-70	1-84
K7PHZ	JIM	CARPENTER	2125 ELM SE	AUBURN	WA	98002	833-9017	3-71	4-84
W7PRW	CARL	BUTLER	16831 40TH AVE S	SEATTLE	WA	98188	242-6297	10-70	1-84
K7PTX	KEN	JACKSON	18944 33RD AVE SO	SEATTLE	WA	98188	246-7354	10-70	9-84
W7Q6P	MARY	LEWIS	10352 SANDPOINT WAY NE	SEATTLE	WA	98125	523-9117	2-74	2-84
K7QMI	TIM	SCHNEEBECK	4522 BROOKLYN AVE NE #103	SEATTLE	WA	98105	547-0404	4-77	4-84
KB7R	JOE	FANNIN	108 130TH PL NE	BELLEVUE	WA	98005	454-6213	2-79	2-84
WA7RJT	CHUCK	GRAZIER	13210 231ST SE	ISSAQUAH	WA	98027	392-3764	7-72	1-85
WA7RJW	CHRIS	HOLT	PO BOX 105A	MANSON	WA	98831		12-75	1-84
KB7ST	DENNIS	ECKERT	342 N. 138th	SEATTLE	WA	98133	542-1365	9-80	9-83
WA7TAI	GENE	JACOBSON	7334 126TH AVE NE	KIRKLAND	WA	98033	822-3931	7-74	1-84
WA7UEW	DICK	LUNDSTROM	34022 43RD S	AUBURN	WA	98001	838-9559	1-73	1-84
WA7VEB	BOB	LOSEY	901 N 8TH ST #A-4	TACOMA	WA	98403	383-2769	11-75	1-84
W7V1H	PAT	SHINNERS	6412 17TH AVE NW	SEATTLE	WA	98107	783-7610	4-79	4-85
WB7VJA	PATI	SUTTON	3516 SW 343RD	FEDERAL WAY	WA	98003	927-7008	7-75	12-83
WA7WKT	ARNIE	SKOOG	30617 2ND AVE SW	FEDERAL WAY	WA	98003	839-2501	3-74	1-84
K7WNE	JON	SORENSEN	2126 NE 137TH	SEATTLE	WA	98125	362-2610	11-82	11-83
WB7WNF	RALEIGH	ELKINS	13506 CEDAR CT EAST	SUMNER	WA	98390	897-0090	12-79	12-84
K7WTB	PETE	HEBBERG	20904 NE 77TH ST	REDMOND	WA	98052	883-8535	10-70	1-84
K7YR	KEN	RAU	23206 SE 53RD	ISSAQUAH	WA	98027	392-7954	12-72	1-84
W7ZLW	VERN	NELSON	16812 NE 107DM	REDMOND	WA	98052	882-2907	3-78	3-84
KB7ZS	JACK	BURRELL	2432 138TH SE	BELLEVUE	WA	98005	746-4176	9-80	9-84
	C-COMM		6115 15TH NW	SEATTLE	WA	98107			
	A. B. C.	COMMUNICATIONS	17550 15TH NE	SEATTLE	WA	98155			
	AMATEUR	RADIO SUPPLY	6213 13th S	SEATTLE	WA	98108			

## CLUB ACTIVITIES

17 Dec 83	0830	"Fleamarket" meeting at the UGN Center in Renton	Hal Goodell
	1000	Monthly Club Meeting at the UGN Center in Renton	D de Jong
		Science Holiday 1983 (See article elsewhere in Relay)	
4 Jan 84	1830	Activity Night at H.D. HOTSPURS in Kent, this is a dinner meeting - good food at a reasonable price. There will be a short program, mostly social get acquainted enjoy occasion.	G. Jacobson
12 Jan 84	1900	Monthly Board Meeting at 13517 117 Ave NE, Kirkland. Talk in on 146.58 and 147.08.	R. Leslie
21 Jan 84	1000	Monthly Club Meeting at the UGN Center in Renton	D de Jong
1 Feb 84	1830	Pre-amp and Pot-luck dinner at Forest Ridge School in Bellevue (same place as Christmas Party) Talk in on 146.58 and 147.08	G. Jacobson and H. Goodall
8 Feb 84	1900	Monthly Board Meeting At 21112 NE 60th Pl, Redmond. Talk in on 146,58 and 147.08.	D&J Becker
18 Feb 84	1000	Monthly Club Meeting at the UGN Center in Renton.	D. de Jong

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We're going to have a great banquet in April!!!, Door prizes will be better than ever. In the meantime, I'm giving you food for thought on the more enticing restaurants and their menus. I want everybody to think about what looks (or tastes) good to them (palate or pocket)  
 I have some body's to organize the men's prizes. If anyone, male or female, wants to organize the women's prizes, please contact me. WB7VJA - Patti - 927-7088

### MIRABEAU

Salad, vegetable, potato or rice, Beverage, tax and gratuity extra.  
 Prime Rib \$15.50  
 Lobster 17.95 10oz  
 Salmon 15.25 - 15.50  
 View of downtown, free parking

### Latitude 47

Salad, vegetable, potato, desert, beverage, rolls & butter. Tax and gratuity extra.  
 Prime Rib \$13.25  
 Salmon 12.25  
 Tenderloin Oscar 14.50  
 Christopher Columbus 11.50 - Chicken - delicioso  
 Access w/boats open decks on water level, view of lake. All equipment needed for entertainment and presentations, 400 ft of dance floor, place settings w/ fine silver service.

### IVARS SALMON HOUSE

Cole slaw, corn bread, beverage, dessert, include tax nad gratuity.  
 Prime Rib 15.35 10oz  
 Salmon 12.95 8oz not baked  
 View of lake, paper napkins---cloth \$25.00 extra.

WB7VJA-Patti



Merry  
Christmas  
Each  
And  
Everyone!

Special thanks to Jack Burrell for getting the delicious Turkey & Ham for our Mike & Key Christmas Party. Also

thankyou ladies for your help in the kitchen!

#### Holiday Salad

- 1 pk.(3oz.)lime jello
- 1 large can pears-drained & mashed
- 1 cup water & pear juice
- 3 oz. pk. phil-cream cheese
- 1 cup whipping cream-whipped

Heat juice and add jello. Mash cheese into hot jello. Chill & set until mounds from spoon. Fold in washed, drained pears and whipped cream. Pour in chilled mold.

#### Christmas Is-----

wishing you could have seen the star of Bethlehem.

when your mailbox should be so full that it doesn't echo.

hearing about the partridges in the pear trees until you're ready to scream.

presents that don't fit.

getting all those cards from people you never sent any to.

saving the pretty wrapping paper to use next year.

a time for miracles.

RATS NEST AND CROOKED STICK IV

AN ANTENNA EXPERIMENTER'S CONTEST SPRINT  
SPONSORED BY ISSAQUAH AMATEUR RADIO CLUB

2100Z JAN 8,1984 TO 0100Z JAN 9,1984

FREQUENCIES: CW 21.060 TO 21.200 MHZ  
SSB 21.350 TO 21.450 MHZ

RATS NEST & CROOKED STICK ANTENNA : 100FEET MAXIMUM OF SINGLE CONDUCTOR WIRE (SOLID OR STRANDED), ANY CONFIGURATION. FEEDLINE WILL NOT HAVE TO COUNT AS PART OF THE 100FEET ONLY IF IT IS COAXIAL CABLE. ANTENNA HEIGHT IS LIMITED TO 20FEET AT THE CENTER OF HIGH CURRENT. I.E., CENTER OF DIPOLE, CENTER OF QUAD, BASE OF  $\frac{1}{4}$  WAVE VERTICAL.

TRANSMITTER POWER: 250 WATTS OR LESS (DC INPUT)

EXCHANGE: NAME, LOCATION(QTH), TYPE OF ANTENNA, I.A.R.C. MEMBER YES OR NO

SCORING: CW CONTACT-FREQ. 21.060 TO 21.099 MHZ (5) POINTS  
CW CONTACT-FREQ. 21.100 TO 21.200 MHZ (10) POINTS  
SSB CONTACT-FREQ. 21.350 TO 21.450 MHZ (2) POINTS

A STATION MAY BE CONTACTED ONCE ON SSB AND ONCE ON CW.  
EACH DUPE CONTEST COMMITTEE FINDS IS PENALIZED BY A LOSS OF TEN (10) POINTS

BONUS: EACH NEW STATE WORKED (3) POINTS  
WORKED ALL SEVENTH CALL AREA STATES (8) (50) POINTS  
WORKED ALL STATES (50) (75) POINTS  
EACH NEW CALL AREA WORKED (5) POINTS  
WORKED ALL TEN U.S. CALL AREAS (35) POINTS  
(7) OR MORE CW CONTACTS (25) POINTS  
(15) OR MORE CW CONTACTS (75) POINTS  
EACH DX CONTACT (KH6,KL7,VE,XE,JA,ECT.) (5) POINTS

CATEGORIES

1. NON-I.A.R.C. MEMBER USING A RATS NEST & CROOKED STICK ANT.
2. I.A.R.C. MEMBER USING A RATS NEST & CROOKED STICK ANT.
3. I.A.R.C. MEMBER USING A CONVENTIONAL BASE STATION ANT.
4. A STATION MAKING CONTACT WITH THREE I.A.R.C. MEMBERS DURING CONTEST

AWARDS: IN EACH OF THE ABOVE 1, 2, & 3 CATEGORIES:  
A. HIGH OVERALL SCORE  
B. HIGH CW SCORE (WITHOUT BONUS)  
C. HIGH SSB SCORE (WITHOUT BONUS)  
D. HIGH NOVICE/TECHNICIAN SCORE  
E. PARTICIPANT (1 HOUR OR MORE OPERATION)

IN THE ABOVE 4 CATEGORY:  
"RAT CATCHER" CERTIFICATE

CONTEST ENTRIES: SUBMIT BY FEB. 1, 1984  
SUMMARY SHEET-POINTS PER MODE, BONUS POINTS EARNED, TOTAL POINTS EARNED, NAME, CALL, ADDRESS, COMPLETE DESCRIPTION OF ANTENNA & EQUIPMENT USED, LICENSE CLASS  
LOG SHEET-TIME, CALL, FREQUENCY, MODE, EXCHANGE

RAT CATCHER ENTRIES: SUBMIT LOG SHEET SHOWING THREE CONTACTS WITH ISSAQUAH AMATEUR RADIO CLUB MEMBERS DURING CONTEST.

CORRESPONDENCE: ALL CORRESPONDENCE MUST INCLUDE A SELF ADDRESSED STAMPED ENVELOPE  
SEND TO: ISSAQUAH AMATEUR RADIO CLUB  
BOB FARNWORTH, KB7NV  
6822 - 131st AVE S.E.  
BELLEVUE, WA 98006

\*\*\*\*SCIENCE HOLIDAY 1983\*\*\*\*

AMATEUR VOLUNTEERS, OPERATORS, ENGINEERING, MESSAGE CENTER, COMPUTER OPERATOR, PUBLIC RELATIONS, LEADERS, "GOPHERS", COFFEE-BREWERS, EQUIPMENT MAINTENANCE, CONFIDENCE BUILDING, BACKGROUND MUSIC AND OTHER NICE JOBS.

SIGN UP HERE FOR THE SHIFT, DAY, HOURS, JOB YOU WANT. WILL TRY TO FIT EACH PEG IN A HOLE. ALL HAMS IN KING COUNTY INVITED TO JOIN IN THIS GREAT CHRISTMAS PROGRAM OF DEMONSTRATING AMATEUR RADIO AT THE PACIFIC SCIENCE CENTER. "YOU" CAN BE A PART OF THIS JOINT VENTURE BY ALL 14 HAM CLUBS IN KING COUNTY!!!

COORDINATING PACIFIC SCIENCE CENTER FACILITIES: JIM SMITH KA7APJ.  
PROCUREMENT OF "SOME" OF THE EQUIPMENT NEEDED: JIM SMITH KA7APJ.  
COORDINATING PERSONNEL & WORK SCHEDULES: GIB GIBSON W7JIE.

\*\*\*\*DEC. 17 & 18, 1983\*\*\*\*

ENGINEERING: NEED SOMEONE TO TAKE CHARGE OF THE TOTAL INSTALLATION OF ANTENNAS AND EQUIPMENT.

ALSO NEED SEVERAL PEOPLE WHO WILL INSTALL THE EQUIPMENT.

NEED SEVERAL PEOPLE WHO CAN CHECK OUT THE FINAL INSTALLATION AND MAKE SURE ALL IS OPERATING BEFORE WE GO ON THE AIR.

\*\*\*DEC 26-31, 1983\*\*\*

SHIFT LEADERS. NEED 12-15 PEOPLE WHO WILL BE IN CHARGE OF EACH SHIFT, ANSWER OPERATING QUESTIONS, KEEP THINGS MOVING, CALL FOR HELP, AND GENERALLY RUN THE SHOW FOR A 4 HOUR PERIOD. YOU CAN VOLUNTEER FOR MORE THAN ONE SHIFT!

OPERATORS. EACH 2-HOUR SHIFT WILL REQUIRE 8 PEOPLE TO OPERATE THE EQUIPMENT, GIVE BREAKS, HELP KEEP TRAFFIC MOVING. SHIFTS START AT 10AM AND END AT 5PM. GIVE DATES AND TIMES REQUESTED. OPERATING RTTY, COMPUTER TERMINALS, AND VOICE TRAFFIC SYSTEMS ON SEVERAL FREQUENCIES AT SAME TIME.

MESSAGE CENTER OPERATORS. (HAM LICENSE NOT REQUIRED!) HELP SPECTATORS AND THE VISITORS TO CONSTRUCT MESSAGES, CHECK MESSAGES, KEEP TRACK OF MESSAGE NUMBERS, ROUTE MESSAGES VIA APPROPRIATE CIRCUIT, AND KEEP THINGS MOVING FOR THE OPERATORS SO THEY ONLY NEED TO SEND TRAFFIC. 3 PEOPLE FOR EACH 2-HOUR SHIFT OR LONGER.

PUBLIC RELATIONS. NEED 3 PEOPLE PER SHIFT TO TELL THE VISITORS WHAT IS GOING ON. TALK ABOUT AMATEUR RADIO, EXPLAIN NON-TECHNICALLY WHAT WE ARE DOING. HOW IT IS DONE. BE A "TALKING HEAD" FOR HAM RADIO. (HAM LICENSE NOT REQUIRED), BUT A NON-HAM MAY NOT BE ABLE TO DO IT JUSTICE).

MAINTENANCE: AT LEAST ONE PERSON PER SHIFT NEEDED TO JUST MAKE SURE THINGS KEEP RUNNING CORRECTLY. TROUBLE SHOOTER ON GEAR. FIXIT FELLAH-TYPE. PROBABLY OUGHT TO KNOW THE GEAR INTIMATELY OR KNOW HOW TO SUBSTITUTE GOOD STUFF. TWO PEOPLE EACH SHIFT PREFERRED IF POSSIBLE.

"GOPHERS". THERE ARE UNDOUBTEDLY THINGS THAT NEED DOING THAT HAVE NOT BEEN COVERED. WILL NEED "GOPHERS" FOR THESE JOBS. LICENSED OR NOT.

EQUIPMENT REMOVAL: REMOVE EQUIPMENT JAN 1, 2, OR 3 DEPENDING ON DESIRES OF THE CREW. RESTORE FACILITIES TO ORDER FOR P.S.C.



PACIFIC SCIENCE CENTER WILL PROVIDE TABLES, POWER, SIGNS, SPACE, BARRACADES, AND OTHER SUPPORT AS REQUESTED (WITHIN LIMITS). P.S.C. WANTS US IN THERE & WILL GO A LONG WAY TO MAKE IT A SUCCESS!

NEED AN EXTRA-CLASS AMATEUR TO VOLUNTEER USE OF HIS LICENSE FOR THE STATION. EACH SHIFT SHOULD AND PROBABLY WILL HAVE RESPONSIBLE AMATEURS TO HELP PROTECT THE LICENSE.

CHOOSE YOUR JOB, DATES, TIMES, AND SIGN UP NOW. AND BRING THE FAMILY DOWN FOR A VISIT TO THE PACIFIC SCIENCE CENTER. YOU CAN ALL ENJOY THE FACILITIES!!

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### HAM RADIO OPERATOR IN SPACE

By now I'm sure each and every one of us is aware that W5LFL, Owen Garrott, became the first "Ham" in space with the successful launch of STS-9 and the good ship "Columbia". What a neat PR job. Radio and TV coverage throughout the US and I'm sure the world. Owen transmitted on 145.55 Mhz FM on scheduled passes during his off time and listened between 144.91 and 145.09 Mhz. Did you hear him? I was able to copy him on several passes but was unable to make a confirmed contact. Hopefully my signal will be one of the hundreds he was able to record. I will have a couple of tapes at the next meeting if anyone is interested in hearing them. I wonder what the next adventure in space will be for "Ham" radio? I have a feeling that this is just the beginning. Hal, N7NW.

(Editor Note) I didn't get a chance to listen for or copy W5LFL, however I did get to listen to some of the comments of "Hams" on 145.55 Mhz after the pass was over. Such comments you never thought of.

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The next Club meeting is the 17th Of December at the United Good Neighbor Center in Renton, the same place we always have the meeting.

Prior to the meeting there will be a "FLEAMARKET" meeting at the UGN Center. This will start at 0830. (Someone start the coffee). Application has been submitted for lease of a building at the Duvallup Fair Grounds for a one day "Flea-market". The Fleamarket will be held on 10 March 1984. Lots of help is needed in this endeavor, see you at the meeting.

### TWO METER PREAMPS

Now is your chance to get a super duper preamp for your two meter FM or SSB receiver/tranceiver. K7ND, N7NW and K7KOT are putting together a kit of parts to build super low noise figure (max sensitivity) preamps. These kits will cost between \$15 and \$20 each and will be suitable to either install inside your radio or put into enclosures for outboarding or antenna mounting. An activity meeting is being arranged for February 1 at which time we will provide the kits for your construction (bring your own soldering iron, dikes and pliers). After construction we will provide the automatic noise figure meters for tweaking. Please contact one of us to reserve your preamp. A pot luck dinner is also being planned so bring your spouse and come whether or not you want a preamp for a good ole "bull" session. Who knows we might all get to know each other better and learn something on the side. Hal, N7NW

(Editors Note) M&K will furnish the paper plates and the eating utensils. More on the pot-luck later.)

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### BOARD MEETING, 9th Nov 83, 1930 Hrs:

Convened with D & K de Jong, D & J Becker, M Cross, J Burrell, R Leslie, C Grazier, G Boross, H Goodell and G Jacobson.

Talked about: Membership Dues, Club History, Auction, Activity Dinner, Christmas Party, Sweepstakes and Space Shuttle, STS-9 Orbit.

For the ladies out there and I know there are some of you who read the Relay, I'm sure that Dianna would welcome some help in regards to items that could be included in the Ladies Corner each month. Recipes, stories, articles or what ever, something of interest - what can I say? Each of you be the judge of what you would like to see.

No one gave me a write-up on the Christmas party. I guess you will have to put up with my version.

This is the first Christmas Party that I have attended since we had some loud music at McMicken Heights that didn't do my old ear balls any good. Understand that there were some good parties that I missed tho. Had to get some instructions in order how to find the Cafeteria after I arrived at Forest Ridge. The Ladies and others that helped decorate the Cafeteria did a bang-up job. Everything was set up very nice with candles on the tables and Holly and pine boughs. The turkey and ham was great along with all the dishes everyone brought. All of it tasted good, and as usual I overeat by going back for seconds. Nice soft Christmas music in the background, no rushing around, there was plenty of time to enjoy a few drinks and talk with people that you never seem to get time to talk to at the Club Meeting. I plan to attend the next Christmas party and feel that I will enjoy it at least as much if not more than this one. Once again, thanks to everyone that helped and attended the party. WA7EKH

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LAST MINUTE FLASH!!!! - GENE JACOBSON just told me that we definitely have a program for the activity night at HD HOTSPURS. Make this a mark on your calender so you won't miss it, the food is excelent and I know you will have a good time.

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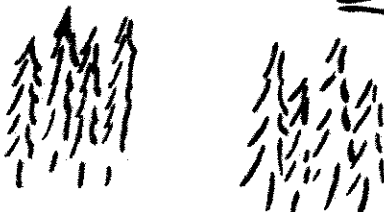

The question for the last Club meeting was: "If I wanted to find you on the radio, where would I look or what frequency would I use to get you?"

## ACTIVITY NIGHT


To get the new year started off in the right direction, we, the Board, with the blessing of the Activity Chairperson, thought a night on the town would be a good start. We have scheduled a dinner meeting, fun meeting, activity meeting, call it what you may, at H.D.HOTSPURS in Kent, Wa. There will be a program of sorts. This is to get all of the members together in an atmosphere other than at the monthly club meeting. The food is good at a fair price, if you haven't been there you are in for real good eating. Take the Valley freeway to Kent, to the west of Kent at the K-Mart Plaza is where HOTSPURS is located, you can see the K-Mart sign from the freeway. Be sure you don't miss this one.

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Xmas Party: KD7NM, Bob & the burning basket-nobody gets that hungry; ND & Corinne have built in fingers in their bed-just ask Linda Tillett; K7CR-left money@home-paid off K7YR w/Potato Buds; K7YR-wants daughter to be tall-tall women command respect; K7PRW-has been traveling all summer-made it up to Alaska; KB7LM-was mugged in his own shower -lump on head; Diana won- Xmas tree, Mildred Butler-Frangelice, Karl-Poinsettia - Ellen Leslie-Poinsettia; WA7KBK-late but stayed long-looks terrific; N7NW-couldn't attend because lost dog-find it the next day in jail w/buckshot bottom (not serious).  
Whispering: WN7NXC- got hitched 11/13; W7GPW -making rack for 6M gear; W7C00-getting better more chemotherapy-wants to gain weight back & legs strong; WA7KBK-back up to normal weight-looking good; W7GPW-luckily tightened his loose guy wires before Turkey day storm; WA7RJT-working on his plane, should have wing done now; KB7LM-worked a little Sweepstakes W/N7AMX, has new carpet in shack-working on study for squawfish pesticide-rode motorcycle across Evergreen bridge during Turkey day storm; W7JWS-had to rearrange shack for STS-9; K7PBT-playing w/computer-building a cabinet for ham gear; K7PFR-Family cooked turkey on wood stove at in-laws; N7AMX & AVO-listining to W5LFL on HT w/AEA telescope antenna



Merry Christmas  
and a  
Happy New Year  
to all of you from  
all of us



Deborah  
Chuck  
Diana  
Dick  
Gene



Mike  
Jack  
George  
Paul  
Ray



In the November Relay I ran a little article in regards to being on the 147.08-147.68 repeater on the 7th of December to obtain station activity from the M & K Club members. I didn't hear any station even break the squelch let alone give me any thing to write about.

I will try it once again on the 4th of January 1984 and I would like to make this a monthly event which would occur on the first wednsday of each month, I will even go for the first two wednesday of each month if that would be convenient.

Please refer to the item in the November RELAY for more information on this same subject. Remember I will be listening for you on the SEA-TAC Repeater 147.08-147-68. WA7EKH

It is with regret that I see the year of 1983 slowly fade into the west. It seems that I didn't accomplish all of those wonderful things that I had planed to do through out the year. I know that some of them will never be achieved, however, I can look forward to doing the others in the year to come and I hope 1984 will be a good one for all of us.

This edition of the RELAY will be the last one for 1983, hope you realized at least a little enjoyment from what you read. 73, Merry Christmas and a HAPPY NEW YEAR to all. Ray WA7EKH