

# K7LED RELAY



The K7LED RELAY is the official tabloid of the Mike and Key Amateur Radio Club. The mailing address is: P.O. Box 2121, Kirkland, WA. 98033. The Mike and Key Amateur Radio club is dedicated to the betterment of Amateur Radio. We meet the Third Saturday of every month at the Good Neighbors Center, 305 So 43rd, Renton - across from Valley Medical Center. The Club operates repeaters on 52.05-53.05, 146.22-146.82, 222.52-224.12 under the call of K7LED. The following nets meet on 146.82: Club Net Wednesdays at 7:30 PM, Public Service on Thursdays at 7:00 PM. Everyone is invited to participate.

**VOLUME 18**

**NOVEMBER 1990**

**NUMBER 11**

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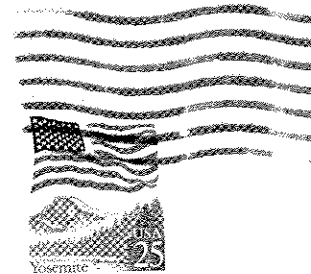
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**FIRST CLASS MAIL**

**BOARD MEETING**

On First Tuesday at 7:30 PM  
Onmi Restaurant on So. 188th ST.

**BREAKFAST**

7:30 AM AT THE RIVERSIDE INN  
14060 Interurban So., Tukwila

**CLUB MEETING**

On Third Saturday at 10:00 AM  
Good Neighbors Center  
305 So. 43rd, Renton  
Doors open at 9:30 for donuts  
TALK-IN ON 146.82 RPTR

K7WTG  
HEDBERG, PETE  
20904 NE 77th ST  
REDMOND, WA. 98053

91/01

**EW MEETING PLACE-SEE ABOVE**

**RELAY DEADLINE  
BY THE BOARD MEETING!**

**CHECK MAILING LABEL FOR DUES EXPIRATION DATE!**

## PRESIDENTS CORNER

This month I hope you will all join us in our new(?) home, the United Good Neighbor Center in Renton.

Actually, for those who are new to the club, the UGN was home for many years. When the club membership started exploding a few years back we had to find new quarters before we were kicked out. Now that our size has stabilized, we have decided to return to Renton.

The UGN is brighter, cozier, and a lot easier to find. In addition, the officers will not have to yell to be heard. Hope you agree with the change.

In addition, this month marks the 20th year for the Mike & Key ARC (since being re-chartered). It's not easy to find anything that has lasted that long and maybe the road hasn't been easy, but we are still moving along. Maybe you will wanna stay for the ride?? I am. -uvj

## ALUMINUM NUM NUM

Thanks to all of you who saved and brought me your aluminum cans last month. Please keep it up. I will continue to save aluminum until next May. Every little bit helps!!!! - uvj

## MINUTES GENERAL MEETING OCTOBER, 1990

Meeting was called to order at 10:00 A.M. by Mike, WA7UVJ, President, with 52 members in attendance with 10 visitors.

Motion was made and carried to approve the minutes for last month's meeting.

Ralph - WX7T, Vice President presented two new applicants for membership: Steve Roley, AD7G, and Richard Larson, N7NYX. Both were unanimously voted in. New hams and visitors also introduced themselves.

Julian - KA7MCB, Activities Manager would like to get together food/toys for Christmas time for the needy and contribute to an organization within the area. Contact Julian.

Claire - KB7GEW, Treasurer: Raffle \$60.00 ahead. Checking account \$2,531.62, C.D. \$5,000.00 with interest of \$118.29. Also stated we would start having expenditures for the Flea Market, i.e., fliers, etc., encouraged those whose membership is due between now and the end of the year to go ahead and pay early to help the cash flow. Board meeting Treasurer's report

is corrected to read as \$109.00 in and \$50.00 out on raffle.

Darlene - N7NCC, Secretary: Flea Market fliers for Tacoma on table.

Mike - WA7UVJ, President: Repeater is fixed, still waiting to get it up on the hill.

Lee, N7NKQ, made motion to have old repeater repaired to be put up when primary one goes down, either at site or alternate site. Motion was seconded and approved.

Mary - W7QGP: DCLU - Docket #90-005, City Ordinance concerning antennas in trees, hearing to be held in December. Phone numbers to call to get date and time are 684-7889 or 6848850.

A brief break was taken, meeting was resumed at 10:25 A.M.

Mike - WA7UVJ, President: Christmas chairperson needed, contact Mike if interested. Also, reminder that next month's meeting is going to be held at the UGN Center in Kent, across from Valley Medical Center.

Mike, WA7UVJ, had a slide presentation on his trip to the Soviet Union.

Julian, KA7MCB, conducted the raffle. Winners as follows: KA7MCB, \$25.00; WA7UJR, \$15.00; N7MFB, \$10.00.

Reminder of Board Meeting 1st Tuesday of the month held at the Omni Restaurant. All members are invited.

Meeting adjourned at 11:55 A.M.

Respectively submitted,  
Darlene Pauza, N7NCC, Secretary

## AMATEUR EXAM INFO

Effective Nov. 1, 1990, new question pools will be put into use for the General, Advanced and Extra Class exams. All question pools have now been revised to reflect the rewrite of Part 97. The revisions for the Novice and Technician classes went into use July 1, 1990. Check you study material for expiration/implementation dates.

We still sponsor exams on the third Saturday of each month at the UGN Center in Renton. Start time is 1300 sharp. Also, we now have provisions for retesting a failed element with a different test. Jim, K7ND

## PRB-1 SAYS—

At our October meeting, Mary, W7QGP, reported on the attempt of the City of Seattle to pass an ordinance prohibiting the use of a tree as an antenna support. At the Club Board meeting on Nov. 6 Mary presented an update on the progress of the Amateur Operators to the new ordinance. A further report will be presented to the membership at our next general meeting.

My one great concern, at this time, is that I continually hear expressed remarks that the Amateur Operator really has little to be concerned about, we have PRB-1 or that we have rights and guarantees under PRB-1. If you agree or believe either, or both of these statements, please read PRB-1. It has been published in CQ, QST and is readily found in THE FCC RULE BOOK published by the ARRL.

PRB-1 is a conciliatory statement to local government bodies. It states in simple terms that Amateur Operators need antennas and that the height of the antenna affects the effectiveness of the communications. The FCC will not specify any limitations but urge the local governing body to accommodate any reasonable amateur communications. This does mean that PRB-1 is not important. When antenna and tower cases have gone to litigation, its impact on the court has led to decisions favoring the Amateur Operator. 73, Ralph WX7T

## THANKS FOR VISITING US

The following were visitors at the October meeting: Zach Bander, KB7LFT, Seattle; John Fisher, KA7QQR, Seattle; Ned Akerman, KA7LSK, Seattle; Bonnie Foley, Seattle; Scott Cronk, N7FSP; Earl Collins, KF6WR, Seattle; Scott Rossman, KB7LME, Kent; Ken Glanzer, K7GCO; Laura Boessenroth, Renton.

We hope you will be at our November meeting which will be held at the Good Neighbors Center across from Valley Medical Center in Kent.

## CHRISTMAS PARTY

We asked for volunteers. We asked in the Relay, we asked at the meeting.

There were no volunteers.

Due to the aforementioned problem, there will be no Christmas Party this year. Sorry. -uvj

## WELCOME ABOARD!!

Please add the following new members to your existing roster:

Steve Roley, AD7G, 3034 - 61st S.E., Mercer Island, 98004, and Richard Larson, Sr., N7NYX, 8208 - 40th N.E., Seattle 98115.

## NOVEMBER PROGRAM

Don't forget, this months program deals with Japanese award chasing.

W7YF will help you (and me) figger out just what the heck all those JA cards we have are good for. He will explain the various awards, the regional callsign system, and tips on how to keep it all straight. I've seen the program once, it's worth watching again! -uvj

## 10/31/70 MINUTES

1. An informal meeting was held at the Kent Civil Defense building at 10:00 AM to determine the desirability of reestablishing the Mike and Key Radio Club. A group of 15 persons expressed a desire to reactivate the club under the previous charter.
2. A motion was made by K7WTG to activate the club. This was seconded by K7EOZ. A show of hands (unanimous) approved the motion. Amateur calls of persons in attendance were K7PZX, WA7DLS, K7EOZ, K7IPQ (K7PP), W7FPG, WA7OYH, K7WTG, WA7EBH, K7KOT, W7GLS (K7ND), K7JDJ, K7LHY, W7PRW, AND WA7HUL.
3. Ken Jackson was appointed as temporary chairman to direct reorganization and further appoint additional temporary club officers. K7WTG was appointed temporary treasurer. W7PRW was appointed temporary secretary. A nominating committee composed of K7EOZ, WA7EBH, WA7DLS, K7WTG and W7PRW were appointed for the purpose of providing names of club members as prospective club officers in the forthcoming election.
4. K7WTG made a motion to have regular club meetings held every third Saturday of the month at this same location. This was seconded by W7EOZ. This received unanimous approval by those in attendance.
5. The next regular club meeting date was set for 21 November at 10AM.
6. K7WTG volunteered to make extra copies of the club charter.

7. A donation was received from various members for the purpose of providing coffee/refreshments and meeting other miscellaneous expenses. Amount received, \$5.20.

8. Nominating committee to meet on 5 Nov. after completion of Civil Defense business.

9. Meeting adjourned at 12:53.

Respectfully submitted,  
Carl E. Butler  
Temporary Secretary.

(Ed Note: Thanks to Jim, K7ND for this article in honor of the 20th Anniversary of the Mike and Key ARC.)

### CLUB MEMBERSHIP DILEMMA

I'd like to offer my comments on the club membership DILEMMA. Chuck and I are rarely able to attend a club meeting because they are held on Saturday's. I won my own business and often have to work on Saturday, and we have other family obligations on the weekends, but we support the club in other ways by volunteering to work at the Flea Market, and at the Sea Fair Parade.

I think that Wayne, K6DOW's suggestion for having two types of membership, a General membership and an Associate membership, is excellent. I have been a member of two different organizations that had this type of membership and it solved the problems of not having enough members at a meeting to make a quorum.

The Mike and Key Club has members who pay their dues, come to the meetings, vote on the motions, but don't volunteer for any other activities; then there are members who come to the meetings, vote on the motions and volunteer for other activities (a very rare few it seems); and then there are those, like Chuck and I, who can't come to the meetings but choose to volunteer for the activities. There must be a way that we can satisfy all these members, yet still conduct the necessary business of the club. I think that two types of memberships would be the most logical solution.  
Lorie Graff, N7LCO.

(Ed Note: This is a copy of a letter Lorie sent to Mike, WA7UVJ. She requested it be printed in the RELAY. Thanks, Lorie).

### MINUTES M&K BOARD MEETING 11/6/90

The meeting was called to order by Chairman of the Board, Mike, KA7CSE, at 7:30 PM at the Omni

Restaurant with 10 board members and 18 visitors present. Board members present: Mike, WA7UVJ; Mike, KA7CSE; Claire, KB7GEW; Darlene, KG7KC; Julian, KA7MCB; Ralph, WX7T; Frank, KA7QHG; Ted, N0YC; Ken, K7YR; Mary W7QGP. Excused: Brian, KF7QF.

Treasurer's Report: Checking \$2,513.10. C.D. Interest \$146.34. C.D. \$5,000.00.

Mike, WA7UVJ: No chairperson for Christmas Party, so there will be no party. November general membership meeting will be at the Good Neighbors Center, the former meeting place. This is the 20th Anniversary of the M&K ARC.

Ralph, WX7T: One new member applications from Earl Collins, KF6WR, Advanced. Will be presented at the regular meeting.

Julian, KA7MCB: Packet Station and TNC being set up for club.

WA7UVJ, KA7CSE, W7QGP presented Field Day trophy to Radio Club of Tacoma for Field Day.

Mike, KA7CSE: There will be a Flea Market meeting at 7:30 PM at CSE's house on November 27. March program will be on antenna building by Jim, K7ND.

Ken, K7YR: ICOM expedited repairs on repeater. Delay in getting it back up were due to inability to get to the site. It's up now and operating. Jim Carpenter, K7PHZ, will head project for repairing old repeater to be ready for backup. Brief discussion on where to locate backup.

Mary, W7QGP: Reported on Antenna-from-a-tree problem in City of Seattle. There will be an appeal hearing in December. Support is needed from all amateurs. Julian, KA7MCB, proposed that the M&K contribute \$500.00 to KA7MCX's fund to cover legal expenses incurred. for this cause.. Ralph, WX7T, seconded. Ray, WA7EKH, reminded the board that according to the Constitution and By-Laws, a matter of this sort has to be brought to the Board of Trustees for consideration. Mike, KA7CSE, will do this. Comments were given by several visitors.

Joyce, N7JPW: Keep sending the articles for the RELAY. Nearly had too many last month. Just the way she likes it. If you don't send your articles to the editor, they can't very well be printed. If send by Packet, let her know which one.

It is suggested that the various committees and the contact persons be listed in the RELAY every month. The editor will set this up as a permanent part of the publication. Also, any other info that is on-going.

Chuck, WA7EBH: Fellowship and Ham Radio go together. It would be a shame to see the Christmas Party cancelled. This is just the first step in apathy for other social activities. It is the responsibility of the Board to keep things going. Who knows what will be the next activity gone?

Jack, KB7ZS: Due to the fact that no one has accepted the challenge of heading Field Day, volunteered to be Chairman. Frank, WA7QHG, will Co-Chair with him. The Barracks and Wagon Wheel have been reserved. (ED Note: Let's all help these two. After all, isn't this a group effort?)

There being no further business, the meeting adjourned.

Respectfully submitted,  
Darlene, N7NCC, Secretary  
(Written by N7JPW)

### ALUMINUM CANS

Don't forget!! Mike, WA7UVJ, needs all the aluminum cans he can muster up for the fund to host the visiting Soviets next May. He'll even crush them. Take them to a meeting or to his house.

### PLANNED PROGRAMS

**NOVEMBER:** W7YF, Jack Wichels, to speak on JA Awards

**DECEMBER:** K7PF, Phil Ferrell, presentation on computer controlled repeaters and radio footprinting.

**JANUARY:** Possible presentation of 800 Mhz systems

**FEBRUARY:** Flea Market preparation meeting.

**MARCH:** K7ND, Jim Christianson, a VHF/UHF Antenna Building Seminar.

**APRIL:** Election of Officers

73, Mike..KA7CSE

### APOLOGIES

Due to the fact I have been spending more time out-of-town than in lately, The 3rd and final installment of the USSR trip will be delayed. (oh yes! I can see the sad faces hihi)

**CLUB MEETING AT GOOD NEIGHBORS CENTER  
AT 10:00 AM.**

## DE ARRL LETTER

VOL 9, NO. 21

October 19, 1990

### **HAM OPERATOR HELPS FIND POLICE RADIO JAMMER**

Manchester, Conn.--A local man faces 142 counts of interfering with police radio communications thanks in large part to an Amateur Radio operator. Manchester police raided the home of 35-year-old John D. Bertrand on Sept. 25 and confiscated electronic equipment they believe had been used for some four months to interfere with the input of the Manchester P.D.'s 465 Mhz repeater.

Helping police--as well as engineers from the Federal Communications Commission's Boston office--locate the suspect was Bruce Marcus, WA1NXG, president of Marcus Communications of Manchester. Marcus, whose company specializes in land mobile 2-Way radio, was called in as a consultant in August, when the jamming was in its third month, after the call for assistance of a police detective was not heard because of the jamming.

"I put my ham direction finding experience to use," says Marcus, who is vice president of operations for the Pioneer Valley Repeater Association. Using non-radiating equipment and a blacked-out yagi antenna on his car, Marcus was able to observe the FCC's receiver "seeing" the jammer, without electronically revealing his own presence.

"When it was all over, the FCC was very interested in the 'stealth technology' equipment I was using," Marcus says.

According to the arrest affidavit, when Marcus and police officers entered the Bertrand house, they found a bedroom filled with electronic equipment. Marcus hooked up a modified VCR "extender" and rabbit-ear antenna found in the room, and was able not only to recreate the interference but also to communicate with the Manchester police dispatcher.

FCC engineers then examined the equipment and said, according to news reports, that its only purpose "is to jam the police radio system." Marcus, 45, a ham since 1970 and a fellow of the Radio Club of America was accompanied on the hunt by his 10-year-old son, Stephen. "Stephen is interested and will be a licensed amateur before long," Marcus said.

Bertrand, who faces 142 counts of first-degree criminal mischief and four counts each of reckless endangerment and interfering with a police officer, could receive five years in prison on each of the 142 counts, as well as a year imprisonment for each of the other charges.

## BRIEFS

\*\*ARRL has filed comments in an FCC Notice of Inquiry in General Docket No. 90-314, which looks toward the establishment of a new Personal Communications Services (PCS). The frequency ranges being considered are in the 800/900 Mhz bands and between 1700 and 3000 Mhz. The six-page comments argue for avoiding impact on amateur allocations.

Similar comments are being prepared for filing in response to a NOI in General Docket 90-357, regarding the establishment and regulation of new digital audio broadcasting services. In that proceeding the band of greatest concern is 2390-2450 Mhz, including the amateur satellite allocation of 2400-2450 Mhz. The comment deadline in this proceeding has been extended to Nov. 13, which will allow the League's Executive Committee to review the draft comments at its November 10 meeting.

\*\*The newest addition to the ARRL library is The DXCC Companion, by Jim Kearman, KR1S. More than just a plug for DXing, the Companion is a beginner's guide to getting on the air, discussing everything from station layout to antennas and propagation. It would make a fine gift for that new ham you know. Price is \$6.00 (plus \$2.50 for U.S. mail or \$3.50 via UPS).

\*\*Leonard L. Jezorek, W4LC, has joined a handful of other old timers as a 70-year ARRL member! OM Jezorek will receive an engraved plate to add to his 60-year plaque. Recent recipients of 60-year plaques include W7YU, W6BPH, W2VV, and W6BUY.

\*\*Jim Smith, VK9NS, recently visited ARRL Headquarters on his way home to Norfolk Island from Europe and the Far East. During his visit members of the Connecticut DX Association arranged a volunteer examination session at which Smith passed all U.S. amateur elements except the Extra Class written (which he missed by two questions - "All those band segments!").

A few days later VK9NS passed the Extra Class written exam in Dallas. He now is home on Norfolk, planning an expedition to Bangladesh.

\*\*The FCC has denied a petition to change its rules regarding frequency shift in digital communications on VHF bands. Michael Bilow, N1BEE, on April 26, 1989, filed RM-7247, seeking to amend the rules that the specific limitations on frequency shift above 50 Mhz be replaced by bandwidth standards. No comments supporting or opposing his petition were received. An amended Part 97.69 earlier this year already had accomplished the changes sought by Bilow. (FCC order, Oct. 4, 1990).

\*\*Rain failed to dampen the spirits of several thousand people in Boxboro, Mass. Oct. 13 and 14 for the ARRL New England Division Convention. The aftereffects of Hurricane Lily washed out Saturday's flea market, forcing buyers and sellers alike into a packed Sheraton Boxboro Hotel and Convention Center for the day's activities.

A prime topic at the gathering was the upcoming World Administrative Conference, which was discussed at both FCC and ARRL forums.

\*\*Version 3.0 of the N6RJ Electronic 2nd Op is now available from the publisher, the Radio Amateur Callbook Inc. New to version 3.0 is instantaneous logging for day-to-day operating. The program, which is for IBM and compatible computers requires a hard disk, allows importation of contest data from the K1EA "CT" software, has extensive Oscar satellite support, and is compatible with Microsoft windows. The price is \$59.95 (plus \$3 shipping).

\*\*Speaking of software, there is a glitch in version 6.18 of "CT," causing the program to crash when an unrecognizable call sign prefix is entered. The bug has been squashed (in version 6.19) and registered users of 6.18 will receive free updates to 6.19.

\*\*CQ's Ham Radio Bookstore has a new free telephone number for book orders: 800-457-7373. More than 350 titles are in stock, including ARRL books, according to director of marketing J. Craig Clark, NX1G. A call will get you a free catalog and order form.

\*\*Changes at Kenwood: Wayne Yoshida, KH6WZ, and Mike Forsyth, N7KQE, have been named respectively Eastern and Western regional sales managers. Yoshida formerly worked at ARRL Headquarters and has been with Kenwood five years. Forsyth joined Kenwood in May after marketing positions with Advanced Electronic Applications and Kantronics.

Effective Oct. 1 Kenwood is offering a full one year warranty, from date of purchase, on all new transceivers, receivers, and accessories and options.

\*\*U.S. Marshals and FCC engineers in early October seized illegal radio equipment valued a \$2,000 from CB operator Harvey Peters, Jr. of Oakland, CA. Included were five non-type accepted transceivers capable of operating on frequencies not authorized for CB used and two linear amplifiers capable of 300 watts input. The FCC had received more than 30 complaints of interference to televisions, radios, hi-fi equipment from area residents. Peters did not respond to letters from FCC. (FCC press release Oct. 9, 1990).

**\*\*Contributions to the WARC-92 fund drive continue to arrive at HQ. There is still plenty of time to respond to this mailing, which went to all ARRL members last month. All contributions will be used for the defense of amateur frequencies at the World Administrative Radio Conference (to be held in February, 1992).**

**\*\*The dates for the 1991 ARRL VHF Sweepstakes are Jan. 19-21. Complete rules will appear in the contest announcement in December QST.**

**WE NEED INFORMATION FROM YOU FOR THE NEWS LETTER.**

# How To Put Antenna Tower

Reprinted from World Radio, April, 1989.

"I am writing in response to your request for additional information on my recent accident. In block No. 3 of the accident reporting form, I put "poor planning" as the cause of the accident. You said in your letter that I should explain more fully and I trust that the following details will be sufficient.

I am an Amateur Radio Operator. On the day of the accident I was working alone on the top section of my new 80 ft. antenna tower. When I had completed my work I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now unneeded tools and hardware down by hand, I decided to lower the items in a small barrel by using a pulley which, fortunately, was attached to the gin pole at the top of the tower.

Securing the rope at the ground level I went up to the top of the tower and loaded the tools and hardware into the barrel. Then I went back to the ground and untied the rope, holding tightly to ensure a slow descent of the 300 pounds of tools and hardware.

You will note in block No. 11 of the accident report form that I weigh 155 pounds. Due to my surprise at being jerked off the ground suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate up the side of the tower.

In the vicinity of the 40 ft. level I met the barrel coming down. This explains my fractured skull and broken collarbone.

Slowed only slightly, I continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley. Fortunately, by this time I had regained my presence of mind and was able to hold tightly to the rope in spite of my pain.

At approximately the same time, however, the barrel hit the ground and the bottom fell out of the barrel. Devoid of the weight of the tools and hardware, the barrel now weighed 20 pounds.

I refer you again to my weight in block No. 11. As you might imagine, I began a rapid descent down the side of tower. In the vicinity of the 40 ft. level I met the barrel coming up. This accounts for the two fractured ankles and lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lesson my injuries when I fell onto the pile of tools and hardware and, fortunately, only three vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools and hardware, in pain, unable to stand, and watching the empty barrel 80 ft. above me, I again lost my presence of mind-I let go of the rope."

1990

# November 11 - December 22

1990

## NOVEMBER AND DECEMBER EVENTS

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nov 11 Veterans Day	Nov 12	Nov 13	Nov 14 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Nov 15 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS RADIO CLUB	Nov 16	Nov 17 7:30am Breakfast at Riverside 10:00am CLUB MEETING in Tukwila 1:00pm VE EXAMS at Good Neighbors Center
Nov 18	Nov 19	Nov 20	Nov 21 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Nov 22 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. Thanksgiving	Nov 23	Nov 24
Nov 25	Nov 26	Nov 27 <i>Flea Mkt Meeting @ KATCSE 7 30 P.M 255-7137</i>	Nov 28 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Nov 29 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Nov 30	Dec 1 8:00am CAMANO ISLAND HAM BREAKFAST 7:00pm POSSIBLE CHRISTMAS PARTY
Dec 2	Dec 3	Dec 4 7:30pm Board Meeting OMNI RESTAUNT **RELAY DEADLINE FOR NEXT ISSUE**	Dec 5 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Dec 6 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm ISSAQUAH RADIO CLUB MEETING	Dec 7	Dec 8 7:00pm POSSIBLE CHRISTMAS PARTY 21st ANUAL CHRISTMAS PARTY
Dec 9	Dec 10	Dec 11	Dec 12 7:30pm MIKE AND KEY NET ON 146.82 RPTR. Hanukah	Dec 13 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Dec 14	Dec 15 7:30am Breakfast at Riverside 10:00am CLUB MEETING in Tukwila 1:00pm VE EXAMS at Good Neighbors Center
Dec 16	Dec 17	Dec 18	Dec 19 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Dec 20 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS RADIO CLUB	Dec 21	Dec 22 Winter begins

Contact Editor for additions

11/9/1990