



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 19

JUNE 1991

NUMBER 6

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323-4989

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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

Saturday JUNE 15 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 92/01
HEDBERG, PETE
20904 NE 77th ST
REDMOND, WA. 98053

RELAY DEADLINE

BEFORE THE BOARD MEETING!

FIELD DAY JUNE 21-23

CHECK MAILING LABEL FOR DUES EXPIRATION DATE!

PRESIDENTS CORNER

June is an exciting month for the Mike & Key because this is the time for Field Day!

In it's original form, Field Day was designed as an emergency preparedness exercise. (say that fast three times) Over the years, in this Club, it has also developed into a special activity where old and new members can gather with their families, shoot the breeze, work on the radios and equipment, and generally have a lot of fun. We have a site good not only for it's special radio properties, but also for the enjoyment of non-hams.

If you have never participated in a Field Day, you are still just a neophyte in the world of amateur radio. I know, because I was a ham for 12 years before I "did" my first Field Day. As a result, it's my intention to never miss another. If you have any questions on what's involved, catch me or any other member of the Board and we will be happy to answer your questions. I hope we will see YOU there.

Field Day, don't miss it. June 22-23.

MINUTES GENERAL MEMBERSHIP MAY 18, 1991

The meeting was called to order at 1000 by Vuce President, Jim, K7ND, with 57 members and 5 guests in attendance.

REPORTS: Acting Treasurer, Chuck, WA7EBH, reports a current Balance of \$16,317, of which \$13,000. is in CDs. No outstanding debts.

Acting Secretary, Mike, WB7AYU, read letter from UGN office concerning celebration of 25th year anniversary of the East Valley Good Neighbor Center on June 18. If you can help on a ham demo for the club, please contact Frank, KA7QHG.

Act. Mgr, Steve, AD7G, is looking for a chairman for the picnic on Aug. 24. A site has been selected. If interested, contact Steve.

Vice Pres: Since some of the new applications go dormant, a suggestion was made to remind applicants to their upcoming vote at the next General Membership meeting and to be sure to attend via a postcard.

Radio Officer, Ken, K7YR, reports our main 2 meter repeater has been repaired and ready for hilltop and is here today for display. He also announced the

WWARA is putting together a National Band Plan for 6 meters. This to prevent a loss of spectrum such as happened to 220MHz. Ken is asking for club contributions from the area to offset mailing costs.

C.O.B., Frank, reminds everyone is welcome to participate at board meetings.

Break from 10:35-10:45. Meeting resumed with guest speaker, Danny Eskenazi, K7SS, who presented a video tape "Passport To Friendship" concerning the Goodwill Games Radiosport competition. A copy was presented to the club. Danny fielded questions of Radiosport certificates and contesting.

COMMITTEE REPORTS: Public Service - Special Olympics at Fort Lewis on June 2,3. Lots of help needed. See Wayne, K6DOW.

Field Day - Need chairperson for 75M phone. Other bands are falling into place.

Facilities - Nils, WB7TJK, reports outlines, legalities, finances, and parts of the process are being established. Next meeting scheduled will be announced on the Wed. night net

Jim, K7ND, presented a new applicant, Jeff Gough, N7QEP, who was voted into membership. Gib, W7JIE, reported on his trip to the Dayton Hamfest. Brian, KF7QF, conducted the raffle. Gift certificates won by N7QFX, KA7MCB, N7NYM.

There being no further business, meeting adjourned.

Submitted by.
Mike Cross, WB7AYU, Act. Sec.

MINUTES BOARD MEETING JUNE 4, 1991

The meeting was called to order by C.O.B. Frank, KA7QHG, at 7:30 PM. Board members present: WA7UVJ, K7ND, KG7KC, KF7QF, WX7T, K6DOW, KA7MCB, KF7QF. Absent: K7YR., AD7G, WA7EBH. Visitors present: N7JPW, KB7ZS, WB7AYU, WB7TJK, N7NKO.

Brian, KF7QF: Looking forward to Field Day. Positive comment on video shown at last membership meeting. Jerry, W7BUN, Radio Club of Tacoma, 20 CW is challenge band for field day.

Ralph, WX7T: Questioned whether member must be present at meeting to win monthly raffle prize.

Mike, WA7UVJ: The Russians came and went. Pizza party went well. Need to order books for libraries and will order them.

Wayne, K6DOW: AD7G only M&K member to participate in Summer Special Olympics. Road Rally is Saturday, June 8. Sea Fair parades are coming up. Schedule to be announced.

Jim, K7ND: Ralph Zimmerman, KB7JIE, presented to board for membership. Approved by the board to be presented to general membership at the next meeting.

Julian, KA7MCB: Raffle going well. WA7UVJ moved that persons wishing to claim the monthly raffle prize must be present to win or designate a proxy with the his or her ticket. Motion seconded by K6DOW. Motion approved.

Mike, WB7AYU: Working on publicity for Field Day.

Joyce, N7JPW: Needs articles for the RELAY. Challenges the board members to write articles and to have at least one other board member besides WA7UVJ.

Jack, KB7ZS: Treasurer's report for Chuck, WA7EBH: Balance of \$16,488.00 total. Repeater ready to go back up. Letter from Parks Commission stating Barracks is \$3.90 a night and Wagon Wheel is \$5.50 a night at Field Day. No one has signed up for the Wagon Wheel. Hope to have 5A this year. Brian stated he could pull the trailer up.

Nils, WB7TJK: Update on Facilities will come after Field Day.

Frank, KA7QHJ: Will have a table at the UGN Center anniversary June 18. Needs pictures of service activities, etc. K7ND will get the club album to him.

KB7ZS presented the proposal by WWARA for a 6 meter Band Plan. K6DOW moved that the club donate \$250.00 to the 6 meter Band Plan of WWARA. Seconded by KA7MCB. Motion unanimously approved by the trustees.

The meeting was adjourned at 8:50 PM.

Respectfully submitted,
Darlene Pauza, KG7KC, Secretary

NO-CODE LICENSING

From looking at the short term statistics, it appears the no-code technician is attracting a lot of new people to amateur radio. Time will tell if the trend is to continue. For the last two years we averaged near 2000 new licensees per month. The increase for April, 1991, the first full month of availability of the no-code license, was near 6000 new licensees. March, 1991, showed a three-fold increase of new technicians at 900 licensees. K7ND

MAY VISITORS

Bob Zimmerman, KB7JIE,
Danny Eskenazi, K7SS;
Ken Jackson, K7NLZ.

WELCOME ABOARD

Jeff Gough, N7QEP
25221 - 108th Ave. S.E. D-307
Kent, WA 98031
859-2854

DE ARRL LETTER Vol. 10 No. 10 May 16, 1991

WASHINGTON STATE AMATEUR HAILED IN SEA RESCUE

A Washington State amateur has been credited with saving the lives of two boaters, in the process strengthening ties between local amateurs and their police department.

Ev Paschal, KF7VX, lives on tiny (1x2 mi.) Sinclair Island, near Anacortes, Washington. Sinclair Island has neither electric nor telephone service. On the windy morning of April 3, Paschal was getting ready for his daily schedule with hams on nearby Guemes and Fidalgo Islands, when he saw a 20 ft. powerboat dead in the water near his house.

"I got out my telescope for a better look," Paschal said, "and there was a guy in the water, clinging to an overturned dinghy."

Paschal used 2 meters to call Les Killingsworth, W7IDX, on Whidbey Island, then informed Bob Brown, NM7M, on Guemes, who telephoned the U.S. Coast Guard.

"With our repeater on Mt. Erie, ham radio is more reliable than marine radio," Paschal said.

Paschal launched his own boat, and as he did he saw a 12-year-old boy launching a dinghy. That turned out to be Nathan Nusslock, who was on his way to help his father, Mark Nusslock, who was in the water, the *Anacortes American* reported.

Paschal took both father and son aboard his boat and returned them, cold and wet but unharmed, to shore.

Paschal, who is 45 and president of the Radio Amateurs of Skagit County, received a plaque from the Anacortes Police Department for his rescue effort.

"I wish to convey my thanks and offer congratulations," said Anacortes Chief of Police Tony Lippe, "on your life saving effort off Sinclair Island this past month.

"As you know," Lippe said, "the Anacortes Police Department is endeavoring to establish an emergency communication network with the local chapter of the Radio Amateurs of Skagit County. We are still in the planning stage [and proposed equipment] would allow our Department and the amateur radio operators to work together to further serve the needs of our community.

"I firmly believe that amateur radio operators are a most valuable resource," Chief Lippe said, "and are unsurpassed in their expertise and dedication where emergency communications are needed that are above the normal channels readily available to law enforcement."

Ev Paschal moved to Sinclair Island three years ago after two decades as a research associate at Stanford University. He holds a doctorate in electrical engineering from Stanford and is now doing research in very low frequencies and "whistlers."

"I moved here for the radio quiet," he says. "The nearest power line is five miles away," and important consideration for someone listening to frequencies between 300 hertz and 30 KHZ.

Sinclair Island has six year-round residents, Paschal says. More come to visit during the warmer months; two of them have Paschal to thank for being rescued.

ARRL BRIEFS

* More than 250 requests for the Samuel F.G. Morse certificate have been received for the first proficiency run in late April (see June QST, p. 14, for a reproduction of the certificate). Additional qualifying runs (in addition to those already scheduled) are being contemplated for the fall.

* The latest U.S. Telecommunications Training Institute (USTTI) Amateur Radio Administration Course, taught by IARU President Dick Baldwin, W1RU in early May, hosted the following telecommunications officials: Lennox O'Brien Smith (Guyana); Marco Barahona

(Honduras); Mario Lobo (Honduras); John Norbert (St Lucia); and Oros Chattanond (Thailand).

Members of the HQ technical department assisted demonstrating construction techniques and 10GHz operation, as did International Programs Manager Nao Akiyama, NX1L.

One evening during the week-long course all five students visited Akiyama's home station. "We took advantage of the third-party traffic agreement with Argentina to have a QSO in Spanish with LU6UAG, in La Pampa," Akiyama said. NX1L is fluent in Spanish, which allowed him to monitor the QSO.

The students returned to their home countries with books, as well as a new appreciation for Amateur Radio.

* An FCC Public Notice (May 13) makes it clear that amateurs are expected to be entirely off 220-222 Mhz by Aug. 27. "Requests for waiver of the rules to permit continued station operation in this band will generally not be viewed favorable," the Commission said. "Any such request [for a waiver] must overcome the heavy burden of demonstrating that the arguments made in support thereof are substantially different from those that have been carefully considered in both rule making proceedings" (the proceedings resulting in reassigning 220-222 to the land mobile service).

* New licenses issued by the FCC in March, the first full calendar month of codeless Technician class availability, were as follows: Novice, 1,734; Technician, 882; General, 31; Advanced, 5; Extra, 4 (for a total of 2,656). FCC has not breakdown of codeless vs. traditional technician licenses issued. Since actual licensing always lags license applications, it actually is too early to assess the effect of the new license class.

Note that the figures above are for *new licenses*. Also in March 2,216 amateurs upgraded including 1,079 to Tech, 526 to General, 371 to Advance, and 240 to Extra.

ALUMINUM CANS

Even though the Russians have come and went, I am continuing to collect aluminum at the Club meetings. The proceeds from this collection effort will be donated towards the annual Banquet door prize funds.

I want to thank all those who saved cans for me the past year and hope you will continue the support.
WA7UVJ

15
Club meeting on June 18 at 10:00

FIELD DAY UPDATE

As of the June board meeting there were still some holes in our Field Day Plans. At the present time we have band chairman for CW stations, 20/80 and 15/40, plus 20M and 15M phone. We are also covered for natural power, satellite and packet. Natural power counts as a station but we will shut down another band for the length of time it takes to make the necessary contacts. We still need a band chair for 75M phone and we need a commitment of a tech/novice for N7MER to set up and run the 10 meter novice station. Help is available for both these bands but we need some leadership.

Mike, WB7AYU is handling the Public Relations end and plans press releases and an information booth at Ft. Flagler. I am sure that he will be receptive to any good ideas that any of you might have. Jim, K7ND is taking care of the tower trailer and Brian KF7QF will be towing the generator trailer.

There is still a good deal of equipment that must be taken up. Most of this, rotators, line, coax, etc. is in the possession of K7YR and arrangements must be made to get that to Marrowstone Island. Hopefully we will be able to finalize all this at the meeting but if you have any thoughts before then please let Frank or myself know.

We received a letter from the Park Manager and they are looking forward to our arrival. Barracks costs are \$3.90 per night and the Wagon Wheel will be \$5.50 per night. Also, as of this time there are no others in the Wagon Wheel prior to our arrival so it will be available for those getting up there early.

Enclosed in last months relay is a check-off list that can be of great assistance in planning your trip. Just remember it is the job of the band chair to see that these items are available but certainly will not be asked to have all of them by themselves. Just check with Frank or myself and we will try to steer you in the right direction. All for now see you at the meeting.

73, Jack, KB7ZS

IARU HF CONTEST

One doesn't usually think of contesting in July, but this is a really neat contest that I have found quite enjoyable over the past few years.

Sponsored by the International Amateur Radio Union, this contest is a "world work the world" contest, meaning you can work anybody you hear and are not restricted to working only DX. Due to this reason, and the relatively light participation (as compared to the biggie winter contests), the pace can be more relaxing. However, because you can work stateside stations, the action doesn't need to stop when the propagation folds. I found it to be a good contest for beginner.

One additional challenge.....The weather is usually very nice at this time of year, so urge to go out and play can be strong. To me, that's just part of the contest! Give it a try, July 13-14. uvj

CQ FD CQ FD CQ FD It's another Field Day!

Well, the operators of CW Beach are warming up the paddles, checking computer programs, and praying that the solar flares of the past several weeks will go away.

Frank, KA7QHG, is preparing a 15/40 Meter CW station and I'm sure he needs operators to help fill out his schedule.

At the 20 Meter CW station we are looking for some experienced ops to help bring back the Field Day trophy we lost several years ago to the Radio Club of Tacoma. (If we sound serious, it's because we are!) When things slow down past midnight, we may settle into 80 Meters for a little relaxation.

Up on the cliff, where the Silly SideBanders reside, I am sure that some stations still require filling out. If you are a laryngitis fan, check with Jack, KB7ZS, to find out where you are needed.

Field Day is a lotta fun, but only if you participate. CU there. -uvj

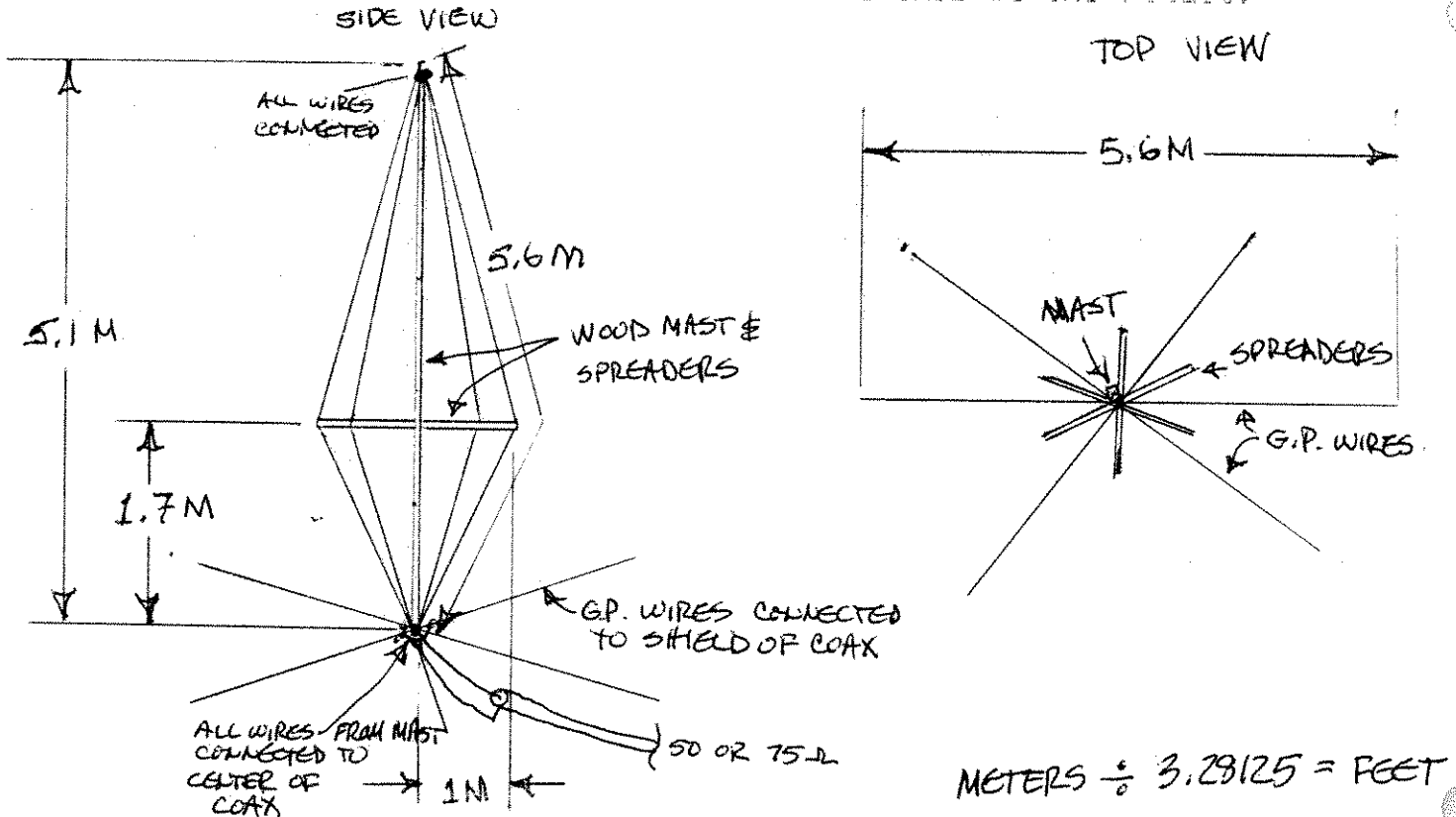
WANTED - POWER TRANSFORMER

Having built a 2000 volt power supply for a homebrew amplifier with a 120 transformer, I am having serious misgivings about the wisdom of such a beast (live and learn).

As a result, I am looking for a 220 volt transformer capable of supplying about 1750 volts AC at 1/2 amp (or more). My address and number are on the Relay or see me at the club meeting. WA7UVJ

FD ANT DE UA4HBW/N7PLU

In May, our friends from the USSR came to visit. Victor, UA4HBW/N7PLU, also visited the May board meeting. While the club business was being discussed he was doodling on a napkin, and this is the result.



This ant is simple but effective, requires no tuner, and covers 14 to 30 mhz. Victor indicated this is a popular Field Day antenna in the USSR.

Feed is with 75 or 50 ohm coaxial cable, and is constructed with any kind of wire.

Here at the Maltby Experimental Antenna Range, a sample was constructed and tested, here are the results: 28060-vswr 2:1, 21060-vswr 1.3:1 and 14060-vswr 1.3:1.

My rig will not tune any WARC bands but these should tune as easily as the three tried here. On receive signals were about one S unit less than the vertical dipoles mounted in trees.

So give it a try, if your budget is low and your space as well, try this poor mans "R5".

kf7af

MIKE AND KEY AMATEUR RADIO CLUB

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	DATE JOINED CLUB	DUES PAID TO	CLASS OF LIC.
	BROWN, ETHEL		SEATTLE,	WA.	98146		60/01	LIFE	
	SCHAAF, BILLIE RAY	7828 57th EAST	PUYALLUP,	WA.	98371	841-2956	91/01	92/01	T
WM7A	SUTTON, JIMMY B	3516 SW 343rd	FEDERAL WAY,	WA.	98023	927-7088	75/07	91/07	E
KB7AFS	AYENGAR, PRAHLAD K.N	2516 NE 95th ST	SEATTLE,	WA.	98115	524-4040	87/10	93/10	T
KL7AKC	JONES, WILLIAM	8324 RENTON-ISSAQUAH RD. SE.	ISSAQUAH,	WA.	98027	392-6168	89/03	92/03	A
N7AMX	De JONG, KARL	20903 NE 77th ST	REDMOND,	WA.	98053	868-0457	78/06	91/06	A
KA7AND	DRESSEL, E. W.	9202 DAYTON AVE N	SEATTLE,	WA.	98103	784-9130	89/02	92/02	T
WA7AVC	CADY, GORDON	8216 38th AVE NE	SEATTLE,	WA.	98115	527-1387	80/11	91/11	G
N7AVO	De JONG, DEBRA	20903 NE 77th ST	REDMOND,	WA.	98053	868-0457	79/01	91/06	A
WB7AYU	CROSS, MICHAEL W	5803 SW HANFORD	SEATTLE,	WA.	98116	935-2688	75/08	91/08	T
KL7BB	BALZARINI, BILL	2525 SO 355th PL	FEDERAL WAY,	WA.	98003	927-1054	88/02	92/02	E
WA7BET	STITZLEIN, ELMER	19804 5th NE	SEATTLE,	WA.	98155	362-2052	89/03	92/03	G
W9BFP	MEREDITH, RICHARD	10530 SE 206th PL	KENT,	WA.	98031	852-1213	88/02	92/02	A
W7BQG	HAMER, ELLIS K	1402 22nd NE #310	AUBURN,	WA.	98002	939-4895	86/09	91/09	A
WA7BUY	SAMPONT, GERALD M	11211 NE 100th	KIRKLAND,	WA.	98033	827-4480	87/05	91/05	G
KB7BVL	PASQUIRE, ADRIAN	12919 NE 76th	KIRKLAND,	WA.	98033	867-0209	88/04	91/04	T
AA7BX	OLIN, CLIFFORD	2120 123rd AVE. SE.	BELLEVUE,	WA.	98005	746-2489	90/03	92/03	E
WA7C	WILBRECHT, DON	5211 26th AVE SE	LACEY,	WA.	98503		87/05	92/05	E
WQ7C	WEBER, GARY	7625 NE 141st	BOTHELL,	WA.	98011	820-2833	90/04	92/04	E
W7CGO	SAL, VACLAV	22523 143rd AVE. SE	SNOHOMISH,	WA.	98290	668-4948	90/04	91/04	E
W7CHV	GRAFF, CHUCK	16307 TIGER MTN RD SE	ISSAQUAH,	WA.	98027	392-5846	89/04	92/04	E
KB7CLF	SWINEY, JEAN P	10606 210 AVE. CT. E.	SUNMER,	WA.	98390		88/09	91/09	T
KA7CSE	HANSOW, MICHAEL	1412 LK YOUNGS WY SE	RENTON,	WA.	98058	255-7137	87/06	91/06	G
WB7CXA	JOHNSTON, NORMAN	P.O. BOX 276	RAVENSDALE,	WA.	98051	432-3994	90/05	91/05	G
N7DLV	SNYDER, ERIC	16377 130th AVE SE	RENTON,	WA.	98058	271-1590	89/05	92/05	A
K6DOW	MODDISON, H WAYNE	16646 SE 134th ST	RENTON,	WA.	98059	271-5314	85/02	92/02	A
WB7DVX	HOLT, LINDA	PO BOX 1209	CHELAN,	WA.	98816	(509) 682-4529	75/12	92/01	T
WA7EBH	STROEHER, CHARLES A	19415 SE 21st ST.	ISSAQUAH,	WA.	98027	392-5303	70/10	92/01	A
WA7EJY	BRUSH, ARCHIE	22516 30th AVE S	Des MOINES,	WA.	98198	878-2833	71/01	92/01	T
WA7EKH	LESLIE, RAY E	13517 117th AVE NE	KIRKLAND,	WA.	98034	821-4188	71/12	92/01	G
WA7ELI	RAMBO, LEW	11605 NE 150th PL	BOTHELL,	WA.	98011	488-9120	71/01	91/07	T
N7ELW	BOONE, JOHN M. SR	1917 GIBSON RD	EVERETT,	WA.	98204	771-4369	88/06	91/06	E
KC7EQ	KORN, ANGELA	10307 108th ST. CT. S.E.	TACOMA,	WA.	98498		90/12	91/12	E
W7EVS	WALES, MONTY	1540 MAPLE LANE #13	KENT,	WA.	98031	854-2531	87/03	92/03	E
NL7EX	HAGLER, SILAS	P.O. BOX 10569	WINSLOW,	WA.	98110	842-0850	90/12	91/12	T
KS7F	SMITH, WAYNE	11074 SE 181st ST	RENTON,	WA.	98055	226-8576	87/09	91/09	E
W7FKI	HAMLIN, JAMES	31459 40th Ave SW	FEDERAL WAY,	WA.	98023	838-8453	89/11	91/11	E
WA7FMT	MORRIS, JIM	4406 S 166th ST	SEATTLE,	WA.	98188	246-4270	87/07	91/07	G
AD7G	ROLEY, STEVE	3034 61st SE	MERCER ISLAND,	WA.	98040	232-4989	90/10	91/10	E
KB7GEW	LASKEY, CLAIRE	3616 SW ANDOVER	SEATTLE,	WA.	98126	935-5547	89/01	92/01	G
W7GEY	WEILAND, WARD	12230 MARINE VIEW DR SW	SEATTLE,	WA.	98146	244-1733	89/01	92/01	E
KB7GQK	JEANS, ORIEN	36115 14th AVE. SW	FEDERAL WAY,	WA.	98023	874-5372	90/09	91/09	N
WZ7H	SWINEY, EARL	10606 210 AVE. CT. E.	SUNMER,	WA.	98390		88/04	92/04	E
N7HAM	POZZI, CLINTON	14639 SE 267th	KENT,	WA.	98042	631-0575	89/03	92/03	G
W7HCP	LONG, JIM	8124 128th S.E.	RENTON,	WA.	98056		90/12	91/12	A
W7HIL	BLACK, JOHN	14312 NE 16th PL.	BELLEVUE,	WA.	98007	746-7611	90/01	92/01	A
N7HKL	VAN TUYL, TED C	P.O. BOX 23	PACIFIC,	WA.	98047	939-8875	86/09	91/09	T
WA7HNY	HAVERMAN, LLOYD	16729 126th AVE SE	RENTON,	WA.	98058	228-2058	89/03	92/03	T
WA7HQQ	REHNSTROM, JOHN	9621 9th NW	SEATTLE,	WA.	98117	783-2489	71/01	93/06	T

MIKE AND KEY AMATEUR RADIO CLUB

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	DATE JOINED CLUB	DUES PAID TO	CLASS OF LIC.
WA7HWX	HART, JAN	17720 NORTH PARK PL	SEATTLE,	WA.	98133	542-8975	72/04	92/04	T
N7IHS	GRIMMETT, JACK	1525 PINE VIEW DR NW	ISSAQUAH,	WA.	98027	392-9510	88/11	91/11	G
N7IL	LEE, IVAN	15631 12th AVE. SO.	SEATTLE,	WA.	98148	242-6501	87/03	92/03	A
N7IVM	BENNETT, (BEN) W.E.	625 109th AVE SE	BELLEVUE,	WA.	98004	451-9096	86/01	92/01	T
N7IVR	WINKLER, DAN	2214 E HIGHLAND DR	SEATTLE,	WA.	98112	423-6689	88/11	91/11	E
W7JIE	GIBSON, M.L.	1215 N 28th PL	RENTON,	WA.	98056	226-4222	75/04	93/04	E
KB7JIF	LAHR, DONALD	940 9th AVE.	FOX, ISLAND	WA.	98333		90/12	91/12	E
N7JNF	HARSTON, GLEN B.	26860 SE 411th ST	ENUMCLAW,	WA.	98022	825-1870	87/04	91/04	T
KB7JNN	MILLS, MICHAEL	31108 3rd AVE. #337	BLACK DIAMOND,	WA.	98010	886-1811	91/01	92/01	A
N7JPW	STROEHER, JOYCE	19415 SE 21st ST.	ISSAQUAH,	WA.	98027	392-5303	87/01	92/01	T
W2JTP	KRETZMAN, BYRON	5220 217th ST SE	WOODINVILLE,	WA.	98072	487-0287	88/12	91/12	E
W7JWJ	LEWIS, HARRY	10352 SANDPOINT WAY NE	SEATTLE,	WA.	98125	523-9117	74/02	92/02	E
W7JWP	LARSON, ARNOLD	15348 70th AVE NE	BOTHELL,	WA.	98011	488-7463	84/05	92/05	A
WB9JZL	GARDNER, DONALD	P.O. BOX 69637	SEATTLE,	WA.	98188	241-5973	88/05	91/05	A
WS7K	WHITING, HERSSCHEL L	9820 NE 16th	BELLEVUE,	WA.	98004	454-6640	87/06	92/06	E
WA7KBK	REMBAUGH, DON	20175 45th NE	SEATTLE,	WA.	98155	362-9189	74/08	92/01	G
KB7KBY	KULIEN, MARK	21904 28th PL. S.	SEATTLE,	WA.	98188		90/05	92/05	T
KG7KC	PAUZA, DARLENE F	15325 6th SW Apt. 21	SEATTLE,	WA.	98166	433-2078	88/07	91/07	A
W7KCX	DIETSCH, DICK	23713 NE 72nd ST	REDMOND,	WA.	98053	868-8386	76/10	92/01	E
KB7KHA	DOTY, HANK	8908 BETHEL BURLEY S.E.	PORT ORCHARD,	WA.	98366	876-3235	90/12	91/12	M
K7KOT	TILLET, STEVE	1642 BROWNS PT. BLVD.	TACOMA,	WA.	98422	927-5456	70/10	92/01	E
N7KWZ	AHRENS, NORMAN R.	794 KITT NARCISSE RD.	COLVILLE,	WA.	98114		87/12	92/12	G
N7LCO	GRAFF, LORI	16307 TIGER MTN RD SE	ISSAQUAH,	WA.	98027	392-5846	89/04	92/04	T
KB7LM	RULIFSON, BOB	14232 SE 23rd	BELLEVUE,	WA.	98007	746-5192	77/12	91/12	E
N7LMT	RICHARDSON, CHUCK	202 SW 119th ST.	BURIEN,	WA.	98146	243-3366	89/02	92/02	T
N7LTH	SELLMAN, ALEX	14753 26th NE	SEATTLE,	WA.	98155	362-6140	90/09	91/09	T
N7MCB	RICHTER, DON	21648 105TH PL SE	KENT,	WA.	98031	852-0498	87/04	92/01	A
KA7MCB	WILLIAMS, JULIAN	7839 S 114th ST	SEATTLE,	WA.	98178	772-5729	89/03	92/03	G
KA7MCH	CASTOR, CURTIS	7527 LAKE CITY WAY NE	SEATTLE,	WA.	98115	524-1901	88/11	91/11	N
W7MCU	WESTBO, LEN	10528 SE 323rd ST	AUBURN,	WA.	98002	833-4834	84/11	91/11	E
N7MDW	SMITH, KEN	15402 SE 132nd ST	RENTON,	WA.	98056	226-4899	89/01	92/01	N
N7MEJ	POST, JOHN	4318 110th AVE EAST	PUYALLUP,	WA.	98372	841-0087	89/12	91/12	T
N7MFB	TODD, WILLIAM	3719 59th AVE SW	SEATTLE,	WA.	98116	932-3710	90/04	91/04	G
K7MRH	NIXON, WARREN	26908 AVON COURT	KENT,	WA.	98032	854-9028	84/02	92/02	G
KG7MX	HANSEN, MICHAEL	4157 WEST MERCER WAY	MERCER ISLAND,	WA.	98040	232-1069	91/01	92/01	A
N7MYM	SAMBONI, ALDO	421 SMITH ST	SEATTLE,	WA.	98109	283-2480	89/07	91/07	E
NX7N	ANDERSON, ROBERT J	12029 SE 220 PL	KENT,	WA.	98031	631-8330	86/11	92/02	E
NM7N	BROWN, MARY LOU	504 CHANNEL VIEW DR.	ANACORTIS,	WA.	98221				93/00
K7ND	CHRISTIANSEN, JIM M.	P.O. BOX 147	FOX ISLAND,	WA.	98333	549-4062	70/10	91/07	E
K7NEX	VANCE, DICK	3718 SO 170th	SEATTLE,	WA.	98188		89/07	91/07	T
N7NFF	GIBSON, THOMAS	1901 UNION AVE NE	RENTON,	WA.	98056	271-0190	89/06	92/06	G
N7NKA	KELIIKOVA, JOSHUA	4249 S 173rd	SEATTLE,	WA.	98188	248-2433	89/07	92/07	T
N7NKO	HOLTAN, DEAN	13915 4th Ave. SW	SEATTLE,	WA.	98166	277-9012	90/02	92/02	G
N7NKQ	BERTRAND, LEE	P.O. BOX 34	ENUMCLAW,	WA.	98022	897-8486	90/01	92/01	A
KD7NM	DONNELL, BOB	18102 15th AVE. NE. #301	SEATTLE,	WA.	98155	827-8005	80/02	93/02	A
N7NW	GOODELL, HAL R	987 LUMMI DR.	FOX ISLAND,	WA.	98333	549-4178	74/02	92/01	E
WN7NXC	JACOBS, LES	14300 103rd NE	BOTHELL,	WA.	98011	821-8839	74/11	92/01	A
N7NYX	LARSON, RICHARD SR.	P.O. BOX 111	EL MONTE,	CA.	91732		90/10	91/10	A
N7NZJ	HOLLY, ROSS	14241 WOODENVILE-DUVALL RD.-301	WOODENVILLE,	WA.	98072	781-0559	90/03	92/03	G

MIKE AND KEY AMATEUR RADIO CLUB

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	DATE JOINED CLUB	DUES PAID TO	CLASS OF LIC.
KA7OES	FITZGEORLD, LYMAN	15031-B MILITARY RD. SO. #224	SEATTLE,	WA.	98188	439-9166	91/01	92/01	T
WA7OEU	ABERNETHY, BOB	1609 SHELTON AVE. NE.	RENTON,	WA.	98056	235-1609	90/11	91/11	
WB6OIP	DIXON, NATE	9890 162nd AVE NE	REDMOND,	WA.	98052	885-6611	89/06	91/06	E
N7OME	SCHAAF, JOHN	7828 57th EAST	PUYALLUP,	WA.	98371	841-2956	91/01	92/01	T
N7ORL	SELLMAN, MIKE	10533 NE 189th #-1	BOTHELL,	WA.	98011	486-7448	90/09	91/09	T
KA7OVQ	RICHARDS, MARK J.	2411 S 116th WAY	SEATTLE,	WA.	98168	248-1581	87/08	91/08	N
WA7OXN	McGAHUEY, BOB	14840 74th PL NE	BOTHELL,	WA.	98011	488-7841	80/05	99/05	A
K7OZY	DUNKEL, SANDRA	2201 SW HOLDEN #C208	SEATTLE,	WA.	98106	767-9771	91/02	92/02	G
K7PBY	GRONAU, ERIC	19436 SE 266th	KENT,	WA.	98042	631-8287	91/04	92/04	
K7PFR	BECKER, JOHN	2044 151st Ave. SE	BELLEVUE,	WA.	98007	644-4185	71/12	92/01	G
N7PGZ	HANSEN, MIKE	4157 WEST MERCER WAY	MERCER ISLAND,	WA.	98040	232-1069	91/01	92/01	T
K7PHZ	CARPENTER, JIM	2125 ELM SE	AUBURN,	WA.	98002	833-9017	71/03	92/03	A
W6PKW	ANGELOFF, CASEY	20307 96th ST E	SUNMER,	WA.	98390	862-8677	89/04	92/04	A
K6PQJ	YERKES, ROBERT	P.O. BOX 853	NORTH BEND,	WA.	98045	888-3420	86/07	91/07	E
W7PRW	BUTLER, CARL	16831 40th AVE S	SEATTLE,	WA.	98188	242-6297	70/10	92/01	G
N7PWH	TAYLOR, MALCOM J.	PO BOX 24928	SEATTLE,	WA.	98124	682-9672	91/01	92/01	T
N7PWR	AKERMAN, NED	19908 MARINE VIEW DR. SW	SEATTLE,	WA.	98166	878-7434	91/02	92/02	E
K7PZX	JACKSON, KEN	8415 110th ST. East	PUYALLUP,	WA.	98373	848-4561	70/10	91/10	G
WV7Q	PASQUIER, CAROLYN	18424 45th ST. E.	SUNMER,	WA.	98390	826-4977	87/04	91/04	E
CV	KING, HAP	451 145th PL NE	BELLEVUE,	WA.	98007	747-0441	84/07	91/07	A
K7QDI	ELDER, JIMMIE S.	7579 S LAUREL ST	SEATTLE,	WA.	98178	772-2617	86/11	91/11	A
N7QEP	GOUGH, JEFF	25221 108th AVE. SE. #D-307	KENT,	WA.	98031		91/05	92/05	
KF7QF	WOOD, BRIAN	8706 206th ST SE	SNOHOMISH,	WA.	98290	481-2361	89/01	92/01	E
N7QFX	SODANO, EUGENE	16503 48th AVE. SO.	TUKWILA,	WA.	98188	246-7122	91/02	92/02	T
W7QGP	LEWIS, MARY	10352 SANDPOINT WAY NE	SEATTLE,	WA.	98125	523-9117	74/02	92/02	A
N7QHC	HUMPHREY, DAN	232 So. 107th	SEATTLE,	WA.	98168		91/03	92/03	
KA7QHG	KRIEGER, FRANK	3410 S 166th ST	SEATTLE,	WA.	98188	243-9232	86/06	92/06	A
K7QMI	SCHNEEBECK, TIM	14520 FREEMONT AVE. N.	SEATTLE,	WA.	98133	368-3970	77/04	99/04	T
WA7RJT	GRAZIER, CHUCK	11826 21st SW	SEATTLE,	WA.	98146	242-9576	72/07	92/01	A
WA7RJW	HOLT, CHRIS	PO BOX 1209	CHELAN,	WA.	98816	(509) 682-4529	74/01	92/01	T
N6RY	CONBOY, TERRY	7969 145th AVE. SE.	RENTON,	WA.	98059		90/07	92/07	E
WBOSNK	EVANS, RANDAL S	22209 122 AVE SE	KENT,	WA.	98031	630-4200	87/09	91/09	G
W7SRZ	NORTHCUTT, CHUCK	353 S 116th	SEATTLE,	WA.	98168	243-6432	87/03	93/03	E
WX7T	SCHUMACHER, E RALPH	4032 E MERCER WAY	MERCER ISLAND,	WA.	98040	232-8053	88/10	91/10	E
WA7TAI	JACOBSON, GENE G	7334 126th AVE NE	KIRKLAND,	WA.	98033	822-3931	74/07	92/01	A
WB7TBR	ZUMBRUNNEN, VICTOR	22032 8th AVE S	DES MOINES,	WA.	98198	824-2098	85/02	92/02	G
WB7TJK	HALLSTROM, NILS	17047 35th AVE SO.	SEATAC,	WA.	98188	242-8271	90/09	91/09	G
W7TRA	JOHNSON, DON	7724 E. Van Buran Ave.	Port Orchard	WA.	98366		88/01	92/10	G
W7TWJ	KELLER, DICK	933 SW AUSTIN	SEATTLE,	WA.	98106	762-4459	87/03	92/03	G
KF7TX	VYBORNY, FRANK	5767 S EDDY ST	SEATTLE,	WA.	98118	723-4475	87/12	91/12	A
WA7UEW	LUNDSTROM, DICK	32131 19TH LAME SW #166	FEDERAL WAY,	WA.	98023	838-9559	73/01	92/01	T
WA7UJR	HEWSON, C. AL	10904 SE 236th PL #J-206	KENT,	WA.	98031	859-1860	87/11	91/11	S
WA7UVJ	DINKELMAN, MICHAEL	637 2ND AVE S	KENT,	WA.	98032	854-4031	85/05	92/05	E
A17V	DAVIS, RICHARD A	3544 STRATTFORDT	KENT,	WA.	98032		87/10	91/10	E
7VBA	FULLER, JOHN	405 S 164th ST	SEATTLE,	WA.	98148	244-4131	88/02	93/02	T
7VG	ANTES, RICK	19025 32nd AVE SO	SEATTLE,	WA.	98188	246-7570	89/07	91/07	A
W7VIH	SHINNERS, PAT	534 N 78th	SEATTLE,	WA.	98103	782-6978	79/04	92/04	G
WB7VJA	SUTTON, PATI D	3516 SW 343rd	FEDERAL WAY,	WA.	98023	927-7088	79/12	91/07	G
KE7VQ	McFETTERS, MIKE	8732 NE 140th ST.	BOTHELL,	WA.	98011		89/11	91/11	A

MIKE AND KEY AMATEUR RADIO CLUB

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	DATE JOINED CLUB	DUES PAID TO CLUB	CLASS OF LIC.
KE7WB	McCREA, BRIEN	13037 SE 159th PL	RENTON,	WA.	98058	255-6492	88/09	91/09	A
WB7WCP	ORLANDO, JOE	26411 189th AVE SE	KENT,	WA.	98042	631-3040	89/05	92/05	T
WB7WGB	DILL, CHARLES B	2230 SE 134th ST	BOTHELL,	WA.	98012	742-7942	87/07	92/07	T
WA7WKT	SKOOG, ARNE W	30617 2nd AVE SW	FEDERAL WAY,	WA.	98003	839-2501	74/03	92/01	T
WB7WNF	ELKINS, RALEIGH C	13506 CEDAR CT EAST	SUMNER,	WA.	98390	897-8090	97/12	91/12	T
KF6WR	COLLINS, ERAL	2609 W. PLYMOUTH	SEATTLE,	WA.	98199	281-8085	90/11	91/11	A
K7WTG	HEDBERG, PETE	20904 NE 77th ST	REDMOND,	WA.	98053	868-1536	70/10	92/01	G
NOYC	BOESSENROTH, TED	2009 DAYTON DR SE	RENTON,	WA.	98055	255-7721	87/11	91/11	E
WA7YFH	KUHLMEIER, THOMAS D	3828 34th AVE SW	SEATTLE,	WA.	98126	932-8846	88/05	92/05	A
WA7YGB	DONIMIRSKI, JEREMY	15004 SE 183rd COURT	RENTON,	WA.	98058	226-5139	91/01	92/01	T
KA7YPO	REGAN, GLENN	2500 384th ST #217	FEDERAL WAY,	WA.	98003	838-1653	88/03	92/03	N
K7YR	RAU, KEN	5430 LAKE ALICE RD SE	FALL CITY,	WA.	98024	222-7711	72/12	92/01	E
K7ZCR	RAMSEUR, RICHARD	14003 SE 141st	RENTON,	WA.	98056		90/07	91/07	G
W7ZLW	NELSON, VERN	13839 SW CARNEY LAKE ROAD	PORT ORCHARD,	WA.	98366	953-5080	78/03	92/03	A
N5ZR	JAKUBEC, TOM	PO BOX 265	RENTON,	WA.	98057	248-2492	89/09	91/09	E
KB7ZS	BURRELL, JACK	108 130th PL NE	BELLEVUE,	WA.	98005	454-3617	80/09	92/09	A
KA7ZYN	BUTT, REG	700 216th PL NE	REDMOND,	WA.	98053	868-8328	88/12	91/12	E
KA7ZZJ	SCHULZ, ARTHUR J	2054 NE 103rd ST	SEATTLE,	WA.	98125	523-5120	89/02	92/02	T
	A. B. C. COMMUNICATIONS	17550 15th AVE. NE	SEATTLE,	WA.	98155	364-8300	99/0	99/11	
	AMATEUR RADIO SUPPLY	5963 CORSON AVE. SO. #140	SEATTLE,	WA.	98108	767-3222	99/0	99/11	
W1AW	ARRL	225 MAIN ST.	NEWINGTON,	CT.	06111	(203) 666-1541	99/0	99/11	
	C-COM	6115 15th AVE. NW.	SEATTLE,	WA.	98107	784-7337	99/0	99/11	
	ISSAQUAH ARC c/o BECK, W.	15812 NE 53rd ST.	REDMOND,	WA.	98052		99/0	99/11	
	NORTH SEATTLE ARC	P.O. BOX 20279	SEATTLE,	WA.	98102		99/0	99/11	
	W.W.A.R.A.	14241 NE WOODENVILLE DUVAL RD #254	WOODENVILLE,	WA.	98072		99/0	99/11	
	WORLD RADIO	P.O. BOX 189490	SACRAMENTO,	CA.	95818		99/0	99/11	
W7AQ	YAKIMA ARC	P.O. BOX 9211	YAKIMA,	WA.	98909		99/0	99/11	
	NORTHWEST PACKET ASSOC.	14919 NE 163rd ST.	WOODENVILLE,	WA.	98072		99/0	99/01	
W7KZE	TEKTRONS A. R. C.	9001 AIRPORT ROAD	EVERETT	WA.	98204	348-2234	99/0	99/01	
	PUGET AMATEUR RADIO SOC.	37430 244 SE.	ENUMCLAW,	WA.	98022		99/0	99/01	


Total Members - 165
Total Mailing List - 177 (3 Stores, 2 Mags., 7 Clubs)

For Corrections to Roster Contact

Charles Stroehrer WA7EBH
19415 SE 21st ST.
Issaquah, WA. 98027
(206) 392-5303

MIKE AND KEY AMATEUR RADIO CLUB

June 9 - July 20, 1991

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
June 9	June 10	June 11	June 12 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	June 13 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	June 14 <i>Flag Day</i>	June 15 7:30am Breakfast at Riverside 10:00am CLUB MEETING AT UGN IN RENTON 1:00pm VE EXAMS at Good Neighbors Center
June 16  <i>Father's Day</i>	June 17	June 18	June 19 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	June 20 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS MEETING Puget Power Bldg. Bellevue	June 21 <i>Summer begins</i>	June 22
					FIELD DAY	
June 23 FIELD DAY	June 24	June 25	June 26 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	June 27 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	June 28	June 29
June 30	July 1 <i>Dominion Day (Canada)</i>	July 2 **RELAY DEADLINE FOR NEXT ISSUE** 7:30pm Board Meeting OMNI RESTRAUNT	July 3 7:30pm MIKE AND KEY NET ON 146.82 RPTR. 7:30pm ISSAQUAH RADIO CLUB MEETING	July 4 Independence Day 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	July 5	July 6 8:00am CAMANO ISLAND HAM BREAKFAST
July 7	July 8	July 9	July 10 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	July 11 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	July 12	July 13
July 14 12:00pm KENT PARADE	July 15	July 16	July 17 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	July 18 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS MEETING Puget Power Bldg. Bellevue	July 19	July 20 8:00am REDMOND PARADE 10:00am CLUB MEETING AT UGN IN RENTON 1:00pm VE EXAMS at Good Neighbors Center

MIKE AND KEY AMATEUR RADIO CLUB

July 21 - August 31, 1991

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
July 21	July 22	July 23	July 24 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	July 25 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	July 26	July 27 4:00pm DES MOINES PARADE
						SEAFAIR WEEK
July 28 5:00pm CHINATOWN PARADE	July 29 5:00pm UNIVERSITY DISTRICT PARADE	July 30	July 31 5:00pm GREENWOOD DISTRICT PARADE 7:30pm MIKE AND KEY NET ON 146. 82 RPTR.	Aug 1 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Aug 2 5:00pm SEAFAIR TORCHLIGHT PARADE	Aug 3 8:00am CAMANO ISLAND HAM BREAKFAST 4:00pm LAKE CITY PARADE
SEAFAIR WEEK						
Aug 4 SEAFAIR HYDRO RACE	Aug 5	Aug 6 **RELAY DEADLINE FOR NEXT ISSUE** 7:30pm Board Meeting OMNI RESTRAUNT	Aug 7 7:30pm MIKE AND KEY NET ON 146.82 RPTR. 7:30pm ISSAQUAH RADIO CLUB MEETING	Aug 8 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Aug 9	Aug 10
SEAFAIR WEEK						
Aug 11	Aug 12	Aug 13	Aug 14 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Aug 15 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS MEETING Puget Power Bldg. Bellevue	Aug 16	Aug 17 7:30am Breakfast at Riverside 10:00am CLUB MEETING AT UGN IN RENTON 1:00pm VE EXAMS at Good Neighbors Center
Aug 18	Aug 19	Aug 20	Aug 21 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Aug 22 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Aug 23	Aug 24
Aug 25	Aug 26	Aug 27	Aug 28 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	Aug 29 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	Aug 30	Aug 31

Contact editor for additions