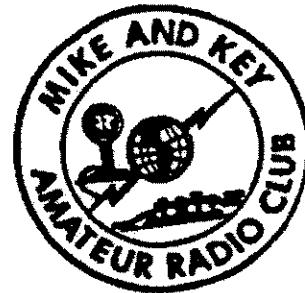




K7LED RELAY



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. 98083. 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

JULY 1991

NUMBER 7

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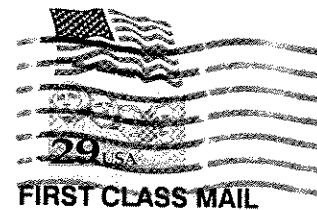
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BOARD MEETING

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 July 20 at 10:00 AM
Good Neighbors Center
305 So. 43rd, Renton
Doors open at 9:30 for donuts
TALK-IN ON 146.82 RPTR

RELAY DEADLINE

BY THE BOARD MEETING!

SEAFAIR JULY 27-AUG. 4

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

92/01

CHECK MAILING LABEL FOR DUES EXPIRATION DATE!

PRESIDENTS CORNER

Summer is traditionally the slow period for this club. Members head off for vacation, attendance drops, and everybody packs in as much sunshine as possible before the Fall rains begin again.

One of the major attractions to summer in this area is the SEAFAIR celebration which includes events in and around Seattle for most of July and the first week of August. There are festivals almost every weekend and parades to go along with each. Many of these parades need help to provide communications.

Looking at the calendar on the back of this Relay, you will find many events listed. I usually make it a habit to support my local ones. It's a small way to repay the community for use of the airwaves and to put Amateur Radio into the limelight.

Never done it before? That's no excuse. Just show up a little early with 2 a meter handheld and ask to help. You will be gently initiated into the ranks and wonder why you ever hesitated. Heck!, if I can do it, anybody can. (and I don't like phone). Hope to see you. uvj

FIELD DAY '91 REPORT

Well it's over for another year. Ft. Flagler has again been secured, towers removed, tents folded and grounds policed. All in all a successful operation but certainly shorthanded if compared with past years. We had only enough interest for 4 stations, a far cry from the 7A we used to run.

We started off around noon on Friday and were able to get the 15 and 20 meter phone and CW towers and antennas up just in time for the party. Clams, Chili, Hamburgers, Hot Dogs and just about anything else you could imagine were enjoyed by all. I am not just sure where all the folks came from but they all managed to adjust to the minor rain/mist that showed up once or twice.

Saturday AM found us finishing up station installation, N7MER getting the Novice Station ready, and trying to get all of the operating times assigned. All operations started at 1100 local

and with the exception of intermod and a few radio changes continued for the 24 hours allowed. Chuck, WA7EBH and myself managed to get in seven hours of operation and my thanks to WA7EKH, his grandson Lorin, WB7TBR & W7PRW, KL7BB & His Fiancee, KF7VG & N7QOA, KA7MCB, and the others that I can't remember for making the 20M Phone station a fun operation. The other bands will have to make their own report.

Shortly after noon on Sunday we were cleaned up and moved out of the operating area. Most to head home but some to the campground, showers and a bring your own meat Bar B Q that evening. All were glad to relax and believe it or not started discussion about what will be done next year. Is it ever to soon to start thinking about it?.

Preliminary results indicate we will receive 8700 points. In the 4A class this will put us in 8th place, using last year's figures. We need to get back to 7A, get 75 phone and 80 CW cranked up, find another 1300 contacts and we could be in first place. I am ready to pass on all my accumulated information to the next chair whenever he or she decides to step forward.

73, Jack, KB7ZS

DOWN ON THE BEACH.....

It's been nine days since that blurred, whirlwind conglomeration of dots and dashes ended and I still sit up in bed in the middle of the night mumbling - ...UR Section AGN PSE? - Hi!!

WOW! What a workout and what a great experience in comraderie and sharing. I don't know where to start thanking the people who spent many hours putting up antennas, packing equipment into the tents, sitting at the rig trying to copy those weak ones and those very vital people who kept the much needed records on the duping computers in fear of forgetting someone. I won't mention names but you know who you are and it's great to know that the correct mode of operation (CW...can't think of the other one!) is alive and well.

It was great to see so many Charley Whiskey people show up, especially those we passed in the dark on the way to our tent at 4 AM (yawn).

If you are interested in keeping the art of brass pounding alive or are struggling to upgrade with a CW stumbling block, give me a call (243-9232)...maybe we can put together a group on a convenient frequency for all...We don't need another net, just a spot to meet if you can show up and get in some practice at any speed.

Agn, many txn to all for a great Field Day. 73 Frank KA7QHG and crew.

MINUTES BOARD MEETING JULY 2, 1991

The meeting was called to order by C.O.B. Frank, KA7QHG, with the following board members present: Mike, WA7UVJ; Jim, K7ND; Wayne, K6DOW; Brian, KF7QF; Frank, KA7QHG; Chuck, WA7EBH; Ralph, WX7T. Absent: Julian, KA7MCB; Steve, AD7G; Darlene, KG7KC; Ken, K7YR. 9 guests attended.

Pres. Mike, WA7UVJ: Expressed concern over attendance of board members at meetings. Act. Mgr. absent for second month in succession, programs not getting in the RELAY. Secretary and Radio Officer also absent. Good Field Day.

Vice Pres., Jim, K7ND: Applications for membership include Samuel Sullivan, N7RHE, tech; Martin Grote, N7QES, Tech. Moved, seconded and passed to approve for presentation at July general membership meeting. Many members owe dues. Must pay within 2 months of due date or dropped. RELAY address label shows when dues are due.

Act. Treasurer, Chuck, WA7EBH: Spent over \$200.00 at Field Day. May need to increase budget for food. Any bills need to be turned in for payment.

Act. Mgr, Steve, AD7G: Absent, no report.

Public Service: SEAFAIR parades have started. Redmond parade July 20 in AM (same as meeting day). Contact WA7EBH for parade details.

Brian, KF7QF: Several new CW operators at Field Day. NO MOSQUITOS.

OLD BUSINESS: Letters need to be sent for Flea Market to vendors as early as August/September previous to event. They make their decisions early. WA7EKH will give names to contact with the letter. WA7UVJ will write letters.

NEW BUSINESS: Nominations opened for Most Valuable Field Day person. Brian, KF7QF,

and Dean, N7NKO, are co-recipients for 1991 Field Day.

Will need to purchase antenna for club.

Suggested this be added to the next budget.

Need to decide weather buy a generator for operations on beach or repair K7ND's

Need a different trailer to haul equipment, etc. for Field Day. The trailer we have now is not heavy enough for the use it's getting. Other thought - rebuild the present one.

K6DOW moved to form a committee chaired by K7ND to look into rebuilding the tower trailer. Seconded and passed.

RAFFLE: Bigger and more expensive prizes are being offered and very expensive has been proposed. It is noted that this has not improved attendance at the meetings. Raffle is clearing approx. \$5.00 average a meeting at this point. Proposed to offer small items that anyone can use in a station. WA7UVJ moved the monthly raffle shall consist of \$50.00 in prizes per general meeting plus any excess revenue generated from the raffle. Motion seconded. After lengthy discussion, motion passed.

Ray, WA7EKH: 1) Generator needs voltage regulator, Ray will fix. 2) Proposed to make pins for trading -- Ray designed. Suggested they be made metal. Members would buy and trade with others. Will present to club at July meeting. 3) Award patches for jackets - will be presented at July meeting. 4) Hats and T-shirts with logo need to be kept on hand to sell. 5) ARRL letter: State of Florida passed PRB 1 incorporated in a State law. Propose committee to look into this and sponsor a law in State of Washington. Need to get a copy of the law before proceeding.

RELAY deadline board meeting of each month. More articles needed. Will print NET preamble this month (Editor apologizes for having misplaced it).

Jack, KB7ZS: Results for Field Day need to be post-marked by July 23. Need to have officers at meetings. If they can't attend, need to replace them. Need to think about a nominating committee for coming year.

Meeting adjourned.

Submitted by,
Joyce, N7JPW, Sec. Pro-tem

24 HOURS ON CW BEACH

Well, June has come and gone and so has Field Day. I must say it wasn't easy getting enthused this year but by 11 AM on Saturday, the fingers were flying!

The 20/80 CW station did fairly well this season. During setup, the 20 meter Yagi practically flew up the tower thanks to Brian's pulley and the 80 meter vertical was a minimum of fuss.

On the air, where it all counts, we pulled 627 contacts and 68 sections on 20 meters. The only states we missed were Nevada and Connecticut. 80 meters was plagued by noise and RFI into the computer but we did manage 119 contacts and 42 sections in about 5 hours of operation. That makes a grand total of 746 contacts at an average of about 35 per/hour.

I want to thank all who came down and helped make CW Beach a success this year. A lot of people helped setup, operate, dupe, and teardown. Needless to say, it's a group effort and I hope you all enjoyed yourselves. Already, I've heard plans for next year. You KNOW I'll be there! uvj

**RADIO CLUB OF TACOMA
FLEA MARKET
OCTOBER 19, 1991
CAMP MURRY IN TACOMA**

LETTER OF PRAISE

Mike & Key ARC
Kirkland, Washington

March 10, 1999

Gentlepersons:

Just a note to tell you how much I enjoyed attending the Electronics Flea Market yesterday. I have attended a number of these, but yesterday's was by far the best organized. I especially appreciated the help I received in moving my rather heavy purchases by way of fork lift pallet truck to the loading area.

The personnel were friendly and courteous. I congratulate all who were involved for a job well done! I look forward to returning next year. It was great!

Sincerely,

Al Ross
Seattle, Wa.

WELCOME ABOARD

Dawn Humphrey, XYL of N7QHC.

JUNE VISITORS

Martin, N7QES; Chuck Benefeill; Jennifer Sanford; Samuel Sullivan N7RHE, Kent; Nelson, W7KVI, Auburn. Hope to see you again!

MASCOT

Ours is a world of symbols. Frequently, organizations are known by a simple trademark, logo, or design. Mascots are another form of symbolism that usually denote a group or society.

The Mike and Key has a logo and it's not my intention to replace it. However, it is complex to reproduce and BORING! Here is my idea.

What kind of symbol can we develop for the Mike & Key that exudes excitement(?), unique Northwest heritage, and (most of all) a sense of fun. It would be nice if the symbol/mascot were easily transferable into art forms. (The Totem would be a great one but already taken.)

How about it. Any creative ideas out there? I have a couple. Anybody else brave enough to be silly? Tell me your idea and I'll tell you mine (hihi). uvj

M & K MEMBER ACTIVITY

Or should I say M & K Apathy? Two recent events, Field Day and the July Board meeting, lead me to believe that interest in club activities is not very high on the priority list of the majority of the club members. Even the last meeting was down in attendance. As this relates to FD see the

article elsewhere in the relay. At the board meeting non-board members outnumbered the Board. There is an obligation, when running for and being elected to office, to make the general meetings, board meetings, activities and any special meetings that might be called. It seems that those in attendance are always the same group and that others are not interested in the business, current activities and future plans of the Club.

Sorry to get carried away with this but I feel that the club will be truly successful only if the members provide the push and motivation to get things done. This can't be done sitting home or just listening to the club repeater. If you have ideas for ANYTHING, activities, parties, projects, etc. bring them to the BOARD. That's where things get started.

GET INVOLVED - IT'S YOUR CLUB!

If you managed to get this far, thanks for listening.

73, Jack, KB7ZS

TECHNICIAN/PLUS

It may be a question of semantics, but there are still only 5 different classes of amateur radio licenses. It's just that the technician class comes in two flavors. With and without code. In case there is any confusion out there, no additional license class was added to the license structure and none of the names were changed.

One of the items that is bound to come up in the future is whether a technician licensee is authorized to operate on ten meters or the novice HF CW subbands. Proof of having passed the 5 WPM CW exam rests with the licensee. Keep all old licenses dated prior to March, 14, 1991, and any certificates of successful completion which show credit for any CW element. Certificates of credit are good for only one year for upgrading, but are good indefinitely for proving that technician licensee is authorized to operate on the HF bands.

It's not a complicated issue. If you have any additional questions, I'll be happy to help. Jim, K7ND

**CLUB MEETING AT 10 AM ON JULY 20th
IN RENTON. SEE YA THERE**

LONG TERM PLANNING

I've been a little lazy lately. Several months ago I promised a long term planning meeting for June and here it is July. Frankly, the free time just hasn't been available.

Needless to say, I haven't forgotten and the meeting will happen. I just hope you will bear with me. uvj

SUMMERTIME..

The World Book Encyclopedia defines Summer thusly: a warm time of the year when the sun shines most directly on one half of the world. Summer in the Northern Hemisphere begins officially on June 20, 21 or 22 Zulu time,....Needless to say, whoever wrote that was absent from our environs in 1991.

There are, however, other ways to note the onset of summer: the kids are out of school, and, of course vacations. Vacation times are here for sure; just "read the mail" on the 2 meter repeaters and it becomes very evident that many hams and their families are packing to go.

Your ham friend may not be the only one listening. With scanners so available the wrong persons may hear. Don't make things easy for someone to enter your home while you are away. The "creeps" don't deserve your help. 73, WX7T

SWEEPSTAKES

It's not too early to start thinking about the Fall contest season. In particular, I am thinking about Sweepstakes (indoor Field Day).

1) is there a group of persons interested in forming a K7LED team for the CW weekend this year?

2) does anybody have a great location w/antennas for said team to use. We can provide the operating position.

This Club has placed first in this contest before as a multiop. It would be fun to try again as the competition has grown. uvj

TECHNICAL FUN

Undoubtably most of us are easily overwhelmed by trying to homebrew equipment these days. I work in electronics and just the thought of trying to build some of the projects in the Handbook gives me the shakes. The cost ain't cheap either. However, it can be a lot of fun too and is a rewarding aspect of Amateur Radio.

Well, there is safety in numbers. Is there a group of members that would like to gather and build a project together? The format is open for discussion. We can all work on one common project, or each do a copy of the same project. The idea would be to pool resources, learn a little bit, and experience 'homebrewing' firsthand. We could copy an existing design or 'roll our own'.

Any takers. Let me know. I'm game.... uvj

SEAFAIR TIME AGAIN

Well, it's July again and time for the Seafair Parades. This year the Greater Puget Sound area hams will be helping with about 10 community events. **Will you be part of the action??**

I need your help to put these parades together and show the public that ham radio helps in the community.

Never done one of these parades before? Afraid to get your feet wet or maybe make a mistake? Well don't be, I don't bite very hard when something happens or goes wrong.

If you would like to help or learn about public service communications feel free to come on out and help. We have a lot of fun and excitement, and also have met many interesting people.

Also this year several interesting things have changed for the **TORCHLIGHT PARADE**, **HOPEFULLY** to make things better:

There is a command center with Ham radio, police, fire, medical aid, local government, and METRO bus. A first in getting all of these people together to handle all of the emergency traffic and hopefully to have better interaction and understanding of each others problems.

This year the parade is starting at 7:30 (1 hour earlier), will be limited to 110 units maximum, very few VIP's, **QUALITY UNITS** (some long time units were denied as they were not of a high enough quality) and many more realignments, hopefully to make this the best parade yet.

Well have I wetted your appetite yet?? If I have here is a rundown on the time and dates of the events. We work all of the district parades on 146.58 simplex and the Torchlight on 146.96 repeater (plus about 10 more or less frequencies) :

REDMOND AT 8 AM ON 7-20
DES MONIES AT 4 PM ON 7-27
CHINATOWN AT 5 PM ON 7-28
UNIVERSITY AT 5 PM ON 7-29
GREENWOOD AT 5 PM ON 7-31
TORCHLIGHT AT 4:30 PM ON 8-2
146.96 RPTR. TALK-IN
LAKE CITY AT 4:30 ON 8-3

I still need help for all parades so please call and let me know that you are coming, that way I have an idea of the help level. Also I need to get parking passes to people that will be participating in the parades.

Chuck WA7EBH 392-5303

AMATEUR RADIO DIRECTION FINDING. (ARDF).

The International Amateur Radio Union (IARU), in Region 1, (Europe, Africa, and part of Asia), is sponsor of the Amateur Radio Direction Finding technical and sports activity. ARDF is a specialized activity set up to, among other things, provide a platform for holding ARDF contests. This is a world-wide activity altho not very well known in North America.

Following is a brief description of the rules and operating procedures that the IARU in Region 1 has established for ARDFing. Particularly those contests conducted between countries and the International ARDF contest held yearly.

Bypassing some of the administrative rules, here are a few of the words about ARDF:

1. Each country, or Society, can enter up to twelve competitors in an International contest. The 12 competitors are divided into 4 teams as follows:

- a. Not more than 3 "seniors". (Persons who are more than 18 years of age in the year of the contest.
- b. Not more than 3 "juniors". (Persons who are 18 years old or less in the year of the contest).
- c. Not more than 3 "old timers". (Persons who are 40 years old or more in the year of the contest).
- d. Not more than 3 women whose age shall not be taken into account.

2. Additional "teams" may be a part of the Society entry but shall be only for training or promotional purposes and cannot start until 15 minutes after the last official team has started.

3. For National competitions, two additional teams may be entered. One team of not more than 3 persons shall be "youngsters" who are 15 year of age or less in the year of the competition. And, "veterans" who are 60 years old in the year of the contest.

4. More administrative words about who pays, notification of contests, selection of judges, etc.

5. Two competitions shall take place. On one day, a 3.5Khz contest is held and on a different day, a 144Mhz contest is held. Teams may compete on one or both bands. No assistance may be given to any person, including competitors. This includes transportation! You walk, run, or crawl in this one. Competitors are taking part at their own risk.

6. In the IARU ARDF rules are now given the specifics of many things. For example, predominately wooded area, relatively flat (not more than 200 meters elevation difference), Transmitters located not less than 400 meters apart. Total distance from start to finish shall be between four and seven kilometers.

7. All transmitters shall be remote controlled with controlling operator and associated judge being well concealed and away from the transmitter.

8. A three-sided prism, red and white in color, shall be placed not more than two meters from each transmitter. Attached to each prism shall be a registering device. The prism shall carry the number of the associated transmitter and its operating band.

9. FIVE hidden transmitters shall operate on each band/i.e. 3.5 and 144 Mhz in the following sequence:

In the first minute: transmitter # 1, radiating the characters MOE.
In the second minute: transmitter # 2, radiating the characters MOI.
In the third minute: transmitter # 3, radiating the characters MOS.
In the fourth minute: transmitter # 4, radiating the characters MOH.
In the fifth minute: transmitter # 5, radiating the characters M05.

This sequence shall repeat after the fifth minute with transmitter # 1 in the sixth minute, # 2 in the seventh, etc.

A sixth transmitter, acting as a beacon, shall be placed at the entrance to the "finishing corridor" and send the characters "MO" continuously.

3.5 Mhz transmitters shall use A1A emission.

144 Mhz transmitters shall use A2A emission.

Keying speeds shall be in the range of 8 to 12 WPM.

ALL 3.5 Mhz transmitters shall operate between 3510 and 3600 Khz. All 144 Mhz transmitters shall operate between 144.05 to 144.20 Mhz. All transmitters shall operate on the same frequency except the 6th (finish) transmitter will operate on a significantly different frequency. Frequency stability shall be 0.05% or better. Output power between 3 to 5 watts.

10. ARDF recommends all transmitters be sequentially keyed under automatic control without operator assistance. A standby transmitter is to be co-located and immediately available in case of failure of the main hidden transmitter. All transmitters are to be controlled by clocks and no time difference longer than 5 seconds between transmitting periods. Antenna polarization shall conform to the general polarization in use in the specific area where the contest is being held.

11. Transmissions shall begin only after all ARDF receivers have been collected at the starting point. All transmissions shall cease when the time limit for the last team has ended. The beacon transmitter shall remain in service until all teams have returned to the finish point.

12. Hidden transmitters should be checked at the starting point with a non-competitive receiver. The signals from the hidden transmitters should be audible at the starting point only.

13. Each competitor and each team shall use their own equipment, antennas, batteries, and ancillary equipment thought to be necessary. Receivers shall not radiate interference to the hidden transmitter signals or otherwise cause unfair advantage.

14. ARDF contestants, upon locating all the hidden transmitters, in sequence or not, shall then run to the "finish" transmitter. It need not be located. Then run a short course of 50 to 100 meters. Upon crossing the finish line, the time shall be noted. That is the official finish time.

There are a total of 12 pages of instructions, procedures, etc. for the ARDF contests. If it is of interest, I can have the whole thing reproduced in the M&K RELAY. 'S up to you!!

I also have the specs for the ARDF 144 Mhz transmitter if anyone is interested. It could be a club project to build a complete set of International ARDF transmitters, power supplies, antennas, and other accessories needed to put on an "official" hidden transmitter contest.
de GIB/W7JIE.

MIKE AND KEY ARC NET PREAMBLE

QST---QST---QST CALLING ALL RADIO AMATEURS

This is (Your Call) with the Mike and Key Amateur Radio Club net. This net meets every Wednesday at 7:30 PM, here on the K7LED 2 meter repeater. This is a controlled net...please break with your call sign only. All club members and visitor stations are encouraged to check-in (Visitors can check in with the regular alpha call down... no special check in is necessary). There is a swap and shop. List only two items for sale or want, two only and please no prices if you have any connection with the radio business!

....(NOTE, pause here and let the repeater reset)

The Mike and Key Amateur Radio Club meets on the third Saturday of every month at the United Good Neighbor Center located at 305 S.43rd in Renton. Talk-in is on this repeater. All members and visitors are welcome, and the doors open at 9:30 AM. VE testing will take place at 1:00 PM at the same location. There is also a no-host breakfast at the Riverside Inn in Tukwila on the morning of the club meeting... Try to be there between 7:30 and 8:00 AM.

....(Pause and reset repeater again)

This is (Your call) and my name is (your name) and I am net control station for this evening for the MIKE and KEY AMATEUR RADIO CLUB NET. I will now take check-ins for:

1. PORTABLE OR EMERGENCY POWERED STATIONS/
2. MOBILE STATIONS/
3. QST'S OR ANNOUNCEMENTS/

I will now take check-ins from member or visiting stations with call signs ending:

ALFA thru FOXTROT/

GOLF thru PORTUGAL/

QUEBECK thru ZULU/

Ask for late or missed check-ins

Run through check-ins station by station, starting with the mobiles first... (Since mobiles are only on for a short time, I usually run them before the alpha call-down. Use your judgement on this.)

Ask if anyone has further business for the net, or comments for the "Good of the Order".

CLOSE NET- "Hearing nothing this is (your call) now closing the MIKE and KEY CLUB net for this week. Thank you for your participation, 73 and see you next week. This is (your call) clear the K7LED Repeater.

MIKE AND KEY AMATEUR RADIO CLUB

July 14 - August 24, 1991

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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
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

Contact editor for additions