



From our Club President...

Thanks & Engage in Public Service

by Dick Radford WA7NIW, President

First of all, a very sincere 'Thank You' to everyone who participated in Field Day this year. I haven't seen the scores yet, but from all indications we did well again despite the lack of sunspots. Attendance was down from last year and that can be attributed to the high price of fuel and the change in camping facilities. Well, there's next year for the latter of those and I'm afraid like many of you are that there won't be relief for the former. The weather was perfect and those of you who weren't able to come missed a fantastic weekend.

Now on to upcoming events. Summer is upon us in full force with Seafair parades, bike rides, and other opportunities for public service. Please take time to check the public service pamphlet or the web site for events that you would be interested in helping out with. Our service regarding these types of events is one reason for our hobby existing.

There is still time for someone to step forward and chair the picnic. We usually have it in August, but weather in September is also likely to be good enough for us to have a good time while enjoying food and fellowship. Think of it as a Field Day reunion without having to put up any towers. Anyone interested?

Dick - WA7NIW

Field Day Feedback

Email to mikeandkey.org

Hi, I want to thank you guys for having such a good and patient operator on duty when we QSO in FD at about 2018 UTC June 28 08.

I was about to pull the plug and get out of there as a storm was approaching but wanted to make two more contacts. I heard K7LED and called. As I recall, your op got my exchange but I was having problems copying your 6A class due to extreme thunder and lightning crashes. He stuck with me for several minutes, repeating numerous times till I got the exchange. Not many operators these days would have had the patience to do that. I just wanted to let you know you have a good op, whoever he is.

Your call is a familiar one to me. We've worked many many times over the years in FD and possibly other contests. A pleasure to hear you guys again this year.

73, Bud Frohardt W9DY/m

PS-- I worked one more station ant then headed for home. The rain came down in sheets and wind seemed to peak at about 50 or 60 MPH for a couple of minutes before subsiding in the brief thundershower. I just made it home in time to get into the garage before the worst came. BF

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The *K7LED Relay*, published monthly, is the official newsletter of the Mike & Key Amateur Radio Club. Mike & Key ARC is an ARRL-affiliated club dedicated to the growth and betterment of Amateur Radio.

The club meets at 10 A.M. the third Saturday of every month at Salvation Army Headquarters, 720 S. Tobin Street, in Renton (near the southeast corner of Renton Airport). Anyone interested in Amateur Radio is invited to participate in the Mike & Key ARC and its activities. Annual dues are \$12 for individuals and \$18 for families.



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Web Site

www.mikeandkey.org

Send dues to

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Renton, WA 98057-4234

K7LED Repeaters

146.82 output / 146.22 input
(PL 103.5)
Tiger Mountain
224.120 output / 222.520 input
(PL 103.5)
Tiger Mountain

Email

info@mikeandkey.org

Send newsletter submissions to

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Reflector

<http://groups.yahoo.com/mkarc>

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Mike & Key Online -- Several club resources are available electronically:

On the Web — The Club's site at 'www.mikeandkey.org' includes extensive information about Club activities and events, such as: VE testing, membership, past editions of the *Relay* and more.

Reflector — The Club's public message board offers an easy and free way to converse with club members.

To sign up, surf to: <http://groups.yahoo.com/mkarc>.

E-Relay — Want the newsletter in color and a day or two before the print edition arrives by regular mail?

You will also save the club some money in printing and postage costs. To sign up, send a message to the editor: kg7ku@arrl.net.



Field Day 2008

Ride the Waves -- June 28, 29

Post-FD08: CW Beach Cleanup

by MichaelDinkelman, N7WA

It was a very good year down on CW Beach. Despite the lower attendance up above on the bluff, CW Beach was well manned and I think we have some prospects for the future.

That's not to say we didn't have some issues that required some ingenuity. First, the 20 meter beam came down without a boom to mast clamp. Searching the bluff didn't make it show up so we made our own out of about 12 inches of 80M vertical plus some Force 12 boom to mast plates. I dare say, when the boom to mast clamp did show up, we liked ours better and stuck with it.

Guy, N7ZG volunteered two K3's from Elecraft to the effort. Those in the contesting arena know that the K3's are generating a lot of buzz due to their high performance spec's and frequent software updates based on user inputs. They had only arrived the Monday proceeding Field Day and Guy got them built and operational by Thursday. Alas, on Friday, the main tuning dial encoder on one of them failed as we were doing our Friday checkout. On a menu-driven radio, where the main tuning dial is an integral control on menu selections, that was big trouble. Using direct frequency input from the logging software and the very flexible RIT/XIT control (it acts like a tuning dial itself), we were able to use the radio with very little loss of function. (Oh, the radio was fixed as soon as he got home and ordered a new encoder).

Finally, Guy had made a half-square for 15meters. I'm not sure we ever did get the tuning quite right on the reflector but with a little pruning, we did get the SWR acceptable and it played no worse than any other 15M antenna we have ever had.

In fact, between the four bands, we came real close to our ultimate record of 1700+ Q's that was made several years ago when we still had sunspots. This year, with a blank sun, we pushed past 1650. Who would've thunk it? A lot of credit has to go to our standout operators. Guy, N7ZG who without, CW Beach would not have been this year. Hal, N7NW who returned to CW Beach (with Annie) after a long hiatus and found that he could indeed contest by keyboard. He was indispensable during setup and teardown as well. Mike, K1TWF (ARRL New England Vice Director) who flew out for the second year in a row to help support CW Beach. John K17OT, who only manages to operate once a year (during this event) but put in the hours manning that frustrating 15M band (and the encoder-less radio) for us. Frank, KD7QER, who didn't do a lick of CW but helped in every other possible way and was down on the Beach the entire weekend. (He doesn't plan on being a CW wanna-be next year.)

The past few years, as I get older, I have asked myself why I go through all the prep and hassle of making my way to Fort Flagler (this was my 24th straight CW Beach). However, when I get there, I can't imagine anything more enjoyable. Especially when you have a great group of Hams that act as a team like these gentlemen did. I'm already looking forward to seeing them all back next year.

No Summer Picnic!!!

by Jack Grimmert, N7IHS

Well we had no volunteers to chair the picnic this year so we had to cancel it. The Annual Picnic use to be one of our main social functions that was held each year along with the Christmas party and the Award Banquet.

In recent years the interest for these functions has been declining as well as attendance. Last year we had to cancel the Christmas Party. Maybe we should think about bagging the picnic and Christmas party and put the money we would have spent for these two events in the Awards Banquet. Feedback for this idea should be given to our Executive Board.

In any case, if you want a Christmas we need a Chairman by the first of October.

PSC minutes 6-21-2008

By Dick Radford WA7NIW

The Public Service Committee Meeting was called to order by Robert at 12:30 pm.

In attendance: Dave KB7PSN, Robert KD7WNV, Dick WA7NIW.

Public Service net. We are still using the script that has been used for the last couple of years. This consists of a preamble which tells who is operating the net, when it meets, and information about when the club meets, and information about the club web site. An opportunity to check in with the net control is then offered. Following this is a list of public service events, hamfests, and testing sessions which are coming up within the next month.

There was discussion regarding having the net take a different form at different times of the year. For example, when there are no public service events happening there should be something else to discuss. This could take the form of technical discussions, how to make antennas work better, etc.

It has been suggested that the net take the form of a more general club information net. Please submit any ideas regarding how this should be structured to the committee.

Robert would like all committee members to attend the July 19th meeting to discuss these items, along with a scheduling system so that no one person has to take the net all the time.

Mike&Key General Meeting Minutes

held 06-21-2008

Meeting was called to order at 1001 hours

Pledge of Allegiance.

Announcements:

The Mike & Key ARC is affiliated with the ARRL, which members are encouraged to join; Everyone, including visitors, should sign the rosters; Visitors are reminded not to vote on membership matters; If you wish to go outside during the break, the Salvation Army requests that we do so on the West side of the building. This is a small room, and if you have conversations that must be carried out, please carry them out to the other room.

Members and guest introductions.

Quorum present.

Steve KD7IQL makes a motion to approve the minutes of the previous meeting as printed in the *K7LED Relay* and Dick K7NEX seconds.

Officer Reports:

President – Dick WA7NIW: nothing new to report

Vice President – Tim K7ANE: Mike O'Day WA7MTO,
Andrew Baze KE7RLJ, Gabriel Kangas KE7TUS,

Karin Engstrom KC6UCD were all voted into membership.

Secretary – Ivy WA7IVY: nothing new to report

Treasurer – Carolyn WV7Q: The club's books are in good order.

Activity Manager – Jack N7IHS: Program today is Field Day. No drawing today. We usually have a picnic after the August meeting. No one has taken over as picnic chair.

Chairman of the Board – Hal N3YX: Relayed to the membership the board's thinking behind rejection of the Red Cross MOU.

Radio Officer – Paul N7DOH: New repeater is on the way; everything should be here by July 25th.

Relay Editor – Gary KG7KU: not present

Webmaster – Jim KD7BAT: not present

Standing Committee Reports:

Strategic Planning – Robert KD7WNV: nothing new to report

Facilities and Publicity –: Jeff KE7FRJ: we have two MDJ antenna analyzers available for check out to the membership.

Education and Training –: Hal N3YX: Another Technian class coming up in August; with an orientation class July 18th.

Public Service – Robert KD7WNV. The Thursday net has been revived. Committee meeting will be held today. If anyone is interested in joining the committee please come to the Cedar River Smokehouse. Seafair marathon is next Sunday, so if you aren't at Field day you can help with this.

Technical and Special Interest – Steve KD7IQL: We are possibly getting some estate equipment; technical committee needs some help to evaluate this equipment; see Steve if you are interested.

Other Committees (as appropriate)

VE Exams -- Scott AG7T: May saw 17 people take exams; 5 passed the Technician exam, 4 passed the General exam; 5 passed the Extra exam. April saw 15 people take exams; 9 passed the Technician exam, 4 passed the General exam; 2 passed the Extra exam.

Field Day -- Steve KD7IQL / Brendan KD7IKV: We have cooking help for the Potluck; we need help with clean up. Camping: in the Boy Scout camp; No RVs. Need volunteers for a work party tomorrow. Need some volunteers to work at the hospitality table at FD. More at the program today.

Old Business:

Tim K7ANE: Our club library now has it's first ten books. One of our members anonymously donated the cost of the books. In the future, we want to put a line item in future budgets for the library. Also, we would be more than happy to accept donations to the library as well. You can check out books for two weeks at a time.

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July 2008

General Mtg Mins... [Continued from Page 4]

Alligator Award – Jeff KE7FRJ passed the award on to Dean N7NKO.

New Business –

Dick K7NEX informed the membership that Vic ZumBrunnen WB7TBR passed away June 18th.

Mike K7OV wanted to thank whoever it is who brings the old magazines in at every club meeting.

Dan KL7WM: Federal Way club will be putting on another EMCMM I class in July

Good of the Order – No reports.

The Mike & Key Board next meets on the July 9th, at El Charro in SeaTac.

The next Mike & Key General Membership meeting is July 19th.

Mike K7OV made a motion for the meeting to adjourn. The motion was passed. Meeting adjourned 10:35.

7 guests; 44 members

Attested: Ivy Nelson-Groves WA7IVY – Secretary

Mike&Key Board Meeting Minutes

held 07-09-2008

Officers present:

 President – Dick Radford (WA7NIW)

X Vice President – Tim Kane (K7ANE)

X Secretary – Ivy Nelson-Groves (WA7IVY)

X Treasurer – Carolyn Pasquier (WV7Q)

X Activity Manager – Jack Grimmatt (N7IHS)

X Radio Officer – Paul Roth (N7DOH)

X No. 1 – Frank Tate (NA7O)

X No. 2 – Steve Cook (KD7IQL)

 No. 3 – Jeff Stevens (KE7FRJ)

X No. 4 – Robert Grinnell (KD7WNV)

X No. 5 – Hal Mueller (N3YX)

Visitors in attendance: Loras Gassmann; Morgan Pasquier; Pam Tate; David Smith (KB7PSN); Adrian Roth (KB7BVL). Chairman Hal (N3YX) called the meeting to order at 19:02 p.m.

Minutes: A motion to approve the minutes of the previous board meeting, was made by Ivy (WA7IVY) and seconded by Frank (NA7O). Motion passed.

Officer Reports:

Chairman of the Board – Hal (N3YX): nothing to report.

President – Dick (WA7NIW): not present.

Vice President – Tim (K7ANE): No new memberships pending. Tim printed up some new copies of the bylaws for new members. We are also running out of membership cards, so Tim designed another card which is easier to read.

Secretary – Ivy (WA7IVY): nothing to report.

Treasurer – Carolyn (WV7Q): The Club's books are in good order. Gave Balance Sheet summary. Carolyn stated that

K7LED Relay

the Audit committee chair (Sam) will be unavailable to conduct the Flea Market audit before the July meeting. We have board members for the committee (Hal (N3YX) and Steve(KD7IQL)). Carolyn suggests that we ask for three volunteers at the general meeting in July for the audit to be conducted in August.

Activity Manager – Jack (N7IHS): Presentation on the Field Day at the July meeting.

Radio Officer – Paul (N7DOH): Not sure if an inventory of equipment was conducted at field day. The repeater should arrive on the July 25th. Paul was reminded to take pictures of the new repeater's installation. Paul will be requesting members to assist in some upcoming work parties.

Editor Reports:

Relay Editor – Gary (KG7KU): not present.

Webmaster – Jim (KD7BAT): not present.

Standing Committee Reports:

Strategic Planning – Robert (KD7WNV): Robert described his vision to laying the groundwork for a possible future facility for our club. Tim (K7ANE) made a motion for Robert to follow up on this preliminary idea to bring back to the Board; Ivy (WA7IVY) seconds; motion passed.

Facilities and Publicity – Jeff (KE7FRJ): not present.

Education and Training – Hal (N3YX):

- **Class:** Tim (K7ANE) reports that there are 6 people (5 paid) signed up for the August 1st-3rd class at the Red Cross in Seattle. Orientation is 2 weeks before the class, 18 July. They still have room for more people; the cost is \$50 for everything.
- **Library:** Ken Rodgers (KD7II) donated the new Practical Antenna Handbook to the library. Tim stopped by the library and Tokuzo (AD7JA) has made a very nice setup in his shop with a bulletin board and a M&K sign.

Public Service – Frank (NA7O): nothing new to report.

Technical and Special Interest – Steve (KD7IQL): will report in New Business.

Special Committee and Project Reports:

Field Day -- Steve (KD7IQL)/ Brendan (KD7IKV): Steve gave a brief overview of field day. We had a low attendance, but everyone worked very hard. Preliminary report will be given at the General meeting.

Bylaws Review – Jack (N7IHS): Hal requested that the bylaws review committee look at the issue of provisions or policies covering unruly personnel at club functions. Jack will make a report of the committee at the next board meeting.

Old Business - no new business

New Business -

- Frank (NA7O) made a motion that field day guests need the approval of the board, seconded by Carolyn. Motion withdrawn.

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July 2008

Board Mtg Mins... [Continued from Page 5]

- Steve (K D7IQL) was contacted by someone in another organization concerning a silent key in Kirkland who has a bunch of equipment that needs to go. Mike (N7WA) suggested to Steve that we may be getting more requests like this in the future and that we may need to establish some sort of policy of what to do in these circumstances.
- Tim (K7ANE): Discussion about IOTAs and Lighthouses. The Amateur Radio Lighthouse society has 4 contests a year. Burrows Island Lighthouse has never been activated before; Alki Lighthouse (AL5KI) may be another location. Perhaps we can set up a special activity in addition to field day within the next few years to activate Burrows Island or work with the Alki Lighthouse. Suggestion was to present this idea as a program for August.
- MOU's: Frank (NA7O) made a motion, seconded by Carolyn (WV7Q), that the club shall not enter into any MOUs. Motion fails to pass.

Good of the Order -Nothing for the Good of the Order. There being no further business, Frank (NA7O) moved for adjournment. Motion Passed and Chairman Hal (N3YX) closed the meeting at 21:10 pm.
Attested: Ivy Nelson-Groves (WA7IVY) – Secretary

Let's celebrate our July members.

As of July 2008, these folks have been Mike & Key members for the number of years stated. Congratu-lations to all of you, and thanks for your participation and service. Each of you makes us who we are.

Jimmy Sutton	K7NQ	33 Years
Hap King	W7WCV	24 Years
Jim Maras	WA7FMT	21 Years
Aldo Samboni	N7MYM	19 Years
Dick Vance	K7NEX	19 Years
Sam Sullivan	N7RHE	17 Years
Ermanno Rusi	N7VIQ	16 Years
Bruce Hulse	W7GML	13 Years
David Lee	KC7FSR	13 Years
George Hammel	KB7MYU	12 Years
Larry Smith	AB7FJ	12 Years
Robert Grinnell	KD7WNV	5 Years
Tom Johnson	K7GOA	4 Years
Dave Walter	AD7GG	3 Years

K7LED Relay

**From the Austin Hams reflector...
Geek Trivia - the Washington-Moscow Hotline
Contributed by Michael Dinkelman N7WA**

It's not very often that a phone line is installed for the express purpose of saving the entire human race, but that's mission profile implied by the Washington-Moscow Hotline, which was put into action 45 years ago this week. Known also as The Red Phone, the Hotline connects the President of the United States directly with the Premier of the Soviet Union so that the two can, hopefully, resolve any disputes that might otherwise devolve into a global nuclear holocaust.

The Red Phone was created by the laboriously titled "**Memorandum of Understanding Regarding the Establishment of a Direct Communications Line.**" which was ratified on June 20, 1963 by both the United States and the Soviet Union. That memo was one of the many political aftershocks from the Cuban Missile Crisis, which saw Americans and the Soviets nearly reach the nuke-launching point, in part because President John F. Kennedy and Premier Nikita Khrushchev could not reasonably exchange messages. And by reasonably, we mean it took several hours to deliver and translate communications between what were then the two most powerful political leaders on Earth.

Under those conditions, one side would still be translating an initial message by the time an abrogating follow-up was already received. The Red Phone was designed to solve the technical aspect of that problem.

The Hotline was first put to the test during the Six Day War between Israel and Egypt in 1967. While neither the United States nor the Soviets were direct combatants in the conflict, both superpowers moved naval forces, specifically, the US 6th Fleet and the Soviet Black Sea Fleet, into the region as a contingency. The Red Phone allowed both sides to keep each apprised of each other's movements and motivations, preventing an inadvertent sparking of U.S.-Soviet hostilities.

Since then, popular culture has often dramatized these scenes, or allegories to them, with images of a stern President and a stoic Premier holding direct conversations over a literal red telephone handset. There's just one problem with these notions, the original Washington-Moscow Hotline wasn't actually a telephone connection, as it used a very different method of communication.

WHAT METHOD OF COMMUNICATION DID THE ORIGINAL U.S.-SOVIET HOTLINE EMPLOY?

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July 2008

GeekTrivia- Hotline... [Continued from Page 6]

What was the method of communication originally employed by the Washington-Moscow Hotline, a historically significant telecommunications link between the United States President and Soviet Premier that, while called The Red Phone, wasn't originally a telephone link at all?

The original Red Phone was actually a telegraph circuit, which allowed telegram communications between the American and Soviet heads of state. In fact, the original Memorandum of Understanding that created The Red Phone explicitly required that it be a telegraph circuit, so as not to allow voice communications. The rationale behind this technical decision was that direct voice communications, which were likely to be handled through translators, could become unnecessarily complex or confrontational, which would defeat the purpose of the Hotline as a tool to avoid dangerous misunderstandings.

Instead, the President and the Premier would dictate their statements to each other and those transcriptions would be teletyped to the other party, at a rate of about three minutes per page, whereupon native translators would pore over the document and interpret it. While not as fast as technically possible, this method was still vastly superior to the pre-Hotline modes of communication available between the United States and the USSR.

Moreover, despite the aforementioned Hollywood predictions, the Hotline never ran directly between the White House and the Kremlin. The American end is housed at the Pentagon, where the military, usually through the Secretary of Defense, relays communications to the President.

The Red Phone was in operation for eight years before an actual phone ever became part of the equation. In 1971, the original duplex telegraph lines were augmented by a satellite link between pairs of U.S. Intelsat and Soviet Molniya II satellites, and an honest to goodness voice phone was installed. The system was upgraded again in 1986 to employ more modern satellites and to swap out the old teletype link with a then cutting-edge fax connection, which is still in operation.

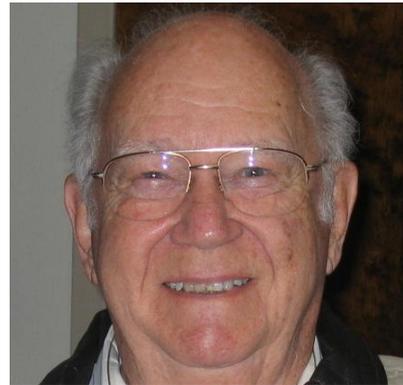
Despite the easing of Cold War tensions after the collapse of the Soviet Union, the Hotline is still tested every hour on the hour, 24 hours a day, 365 days a year. Russian and American translators send playful test messages back and forth to keep their skills sharp, with a repertoire that includes everything from recipes to magazine articles to obscure literary passages. These games are a lighthearted tradition for a system that, despite its age, still holds a critical place in diplomatic relations, national defense and, of course, Geek Trivia. -- Jay Garmon Lee, W5LHC

K7LED Relay

Victor S. ZumBrunnen WB7TBR (SK)

by Sam Sullivan, N7RHE

My first meeting with Vic was when I started attending the retired hams coffee klatch three mornings a week at



Galliano's Cacina in Seatac. Other regular club attendees were Nils Hallstrom, W7RUJ (SK), Jo Hallstrom, KB7UFM (SK), Frank Krieger, KA7QHG (SK), Carl Butler, W7PRW (SK), Dick Vance, K7NEX, Jeannie

Svennungsen, N7JJJ, Bill Harris, W7KXB, and numerous other hams.

As I got to know Vic I was impressed by his varied background, other hobbies, his wit and humor, and overall pleasant nature. His love of his family was paramount in his mind. He was true to his friends and the greater community. In the truest definition of the word, Vic was a true gentleman.

After moving to Arizona several years ago, Vic would come up for the summer with a short stop at his friend Barbara's guest ranch near Kimberly, OR. We were anticipating his arrival this summer when he had medical problems at the ranch.

In his true manner Vic became a member of the Mesa Sunlife ARC and served two years as their president. He was net control for several years on the Alaska Pacific Net. Vic was a twenty three year member of the Mike & Key ARC and received the Pop Brown award in 1988.

Victor S. ZumBrunnen was born April 9, 1920 in Newcastle, Wyoming and died on June 18, 2008. As a young man he moved to Seattle to begin a 41 year career with The Boeing Company as an aeronautical engineer. His hobbies included photography, camping, amateur radio, and he was a skilled woodworker. He also served as a Boy Scout Master in his younger years.

Victor moved to Mesa, Arizona during his last years of retirement and is survived by Jayne ZumBrunnen, his sister Mary Butler, and children Noel Petitjean, Joan Perry, Elizabeth Johns, and Stanley ZumBrunnen. Son-in-laws include William J. Perry and Leland Petitjean. Nancy ZumBrunnen is his daughter-in-law.

The funeral was held Friday, June 27, 2008. with burial at the Greenwood Cemetery.

Donations may be made to a favorite charity or to Friends of the San Tan Mountain Regional Park, 3727 W. Lind Road, Queen Creek, Arizona, 85242 where Victor was active in establishing habitats for desert animals and the ongoing preservation of every aspect of nature.

A Seattle area memorial service will be held at a future date.

Ham Nets & Events for 2008 -- JULY / AUGUST

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
13 2000 -- King Co. ARES 147.08 (Weekly) 2200 -- NW Astronomy Net 145.33 (Weekly) <u>Public Service--</u> -Kent Cornucopia Days Parade	14 0545 & 1645 -- Weather Net 145.33 (M-F) 1730 -- Puget Sound Traffic Sys. 146.82 (Daily) 1900 -- Seattle ACS 146.90 (Weekly)	15 2000 -- Snohomish Co. RACES 146.92 (Weekly)	16 2000 -- General /Tech Info 145.33 (Weekly) 2100 -- NWSOAR Net 146.82 (Weekly)	17 1900 -- M&K Public Service Net 146.82 (Weekly) 2000 -- Computer & Packet Net 145.33 (Weekly)	18 2000 -- Youth Net 145.33 (Weekly) <u>Public Service--</u> [76-18] Oregon Trail Rally	19 1000 -- M&K Club Meeting, Renton 1300 -- Ham Radio Exams, Renton 2000 -- Amateur TV Net 147.08 (Weekly) <u>Public Service--</u> -Kia Ha Ya Days Parade, Snohomish -Olympia Lakelair Parade -Hi-U Festival Parade, West Seattle -White Center Parade
20 1915 -- Kids Net Net 145.49 (Weekly) 2030 -- Snohomish Co. ARES 146.92 (Weekly) <u>Public Service--</u> -SEAFAIR Marathon, Seattle -Chinatown Parade, Seattle	21 1800 -- WA Emerg. HF 3.985 (Weekly) 1830 -- WA ARES 3.985 (Weekly) 1930 -- PSRG 146.96 (Weekly)	22	23 <u>Public Service--</u> -Greenwood Parade, North Seattle	24	25 <u>Public Service--</u> -Tour de Terrace Parade, Mt. Lake Terrace	26 0900 -- WA ARES HF Net 3.985 (Weekly) <u>Public Service--</u> -Torchlight Parade, Seattle
27	28 2000 -- YL Net 145.33 (Weekly)	29	30	31 <u>Public Service--</u> -RAMROD--Ride Around Mt. Rainier in One Day	01 AUGUST	02
03 <u>Public Service--</u> -RAW--Ride Around Washington, Raymond to Walla Walla	04	05	06 Mike and Key Board Meeting	07	08	09 <u>Public Service--</u> -Auburn Good Ol' Days Parade