

# K7LED RELAY



The RELAY is the official tabloid of the Mike and Key Amateur Radio Club. The Mike and Key is dedicated to the growth and betterment of Amateur Radio. We meet the third Saturday of every month at the Salvation Army Renton HQ,

720 Tolbin St., near the SE corner of the Renton Airport. The Club operates repeaters on 52.05-53.05, 146.22-146.82 (PL103.5), and 222.52-224.12 under the call K7LED. The following nets meet on 146.82: Club Net, Wednesdays at 7:30PM; Public Service Net, Thursdays at 7PM. The Club mailing address is: PO BOX 2121, Kirkland, WA 98083. All persons interested in Amateur Radio are invited to participate in the Mike and Key Amateur Radio Club and it's activities.

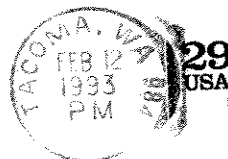
Volume 21

February 1993

NUMBER 2

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TREASURER	- Jack Burrell, KB7ZS	Tel:454-3617	TRUSTEE #4	- Dean Holtan, N7NKO	Tel:242-6715
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RADIO OFFICER	- Ken Rau, K7YR	Tel:222-7711	EDITOR	- Michael Dinkelman, WA7UVJ	Tel:854-4031

RELAY EDITOR  
MICHAEL DINKELMAN  
637 2ND AVE S  
KENT WA 98032



FIRST CLASS MAIL

### NEXT BOARD MEETING

March 2 @ 7:30PM  
Salvation Army HQ  
720 Tolbin, Renton

### NEXT BREAKFAST

February 20 @ 7:30AM  
Riverside Inn  
14060 Interurban So, Tukwila

### NEXT CLUB MEETING

February 20 @ 10AM  
Salvation Army HQ  
720 Tolbin, Renton  
Doors open at 9:00  
Program - Flea Market Preparations

K7WTG 94/01

PETE HEDBERG  
20904 NE 77TH ST  
REDMOND WA 98053

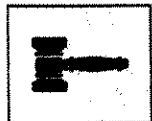


**FLEAMARKET MARCH 6**  
**OFFICER ELECTIONS MARCH 20**

**CHECK MAILING LABEL FOR DUES EXPIRATION DATE**

**THE PREZ SEZS**

Submitted by Chuck, WA7EBH



Well, we had our real live **BIG** survival test on Wednesday January 20th. Did you pass? In our area we had about six houses in a four block area that took substantial hits from trees. One was even demolished by six fir trees that struck it. Luckily, our house didn't have any damage to it this time, but I have a big fir tree tied off out in back and when things calm down, the chainsaw is going to do some work.

Some of the preparations that Joyce and I made paid off and we were inconvenienced more than anything else. The generator worked for the four days that the power was off, powering the whole house. We had heat, lights, TV (but no cable, darn it), microwave etc. We even supplied power to the neighbors for their freezers and refrigerators. I have made some minor revisions to our household plan in light of some of the things that happened. I also plan to have a few more gallons of gas on hand. Seeing some of the lines for gas at the stations that were open, reminded me of the oil crisis in the 1970s.

In our neighborhood there are about 8 hams in a four block area. They seemed to be the ones that were prepared with generators, big extension cords, food, plastic tarps to cover holes in roofs, etc. and were out helping their neighbors. I guess that reading about all of the goings on in disaster areas make us more aware of what happens. Some of the observations that I made about all the communications that were going on during the incident were that; most mountain top radio sites emergency power systems worked ok, the emergency generators by the communication centers didn't start or run very well (they're the easiest to test), and some of the Ham nets were activated, but people were more inclined to stay home and protect their property and neighborhoods.

I know that some of the public service agencies found out their weak points and that their communication and disaster plans need revisions. A lot of things on paper sound good, but when the times get tough, they just don't work. Good old American ingenuity usually comes to the rescue though. Travel on the roads was almost impossible due to all of the debris and all the traffic control devices gone. It took

me a hour and a half to travel 10 miles, normally a 20 minute trip.

I hope that some of our topics and discussions these last few meetings have paid off in one manner or another. We really don't have enough major disasters in the Northwest to hone our disaster skills on. I thank God that we don't, this storm was bad enough. It was an inconvenience for some and a down right nightmare for others. Just remember that next time, there may not be any restaurants or hotels to visit, we may be on our own. 73

**VICE PRESIDENTS REPORT**

Submitted by Nils, WB7TJK

If you ordered a Mike & Key Jacket or T-Shirts, they are ready. Please pick them up at the February meeting. It is a big, I say BIG card board box... enough said!! The January meeting was attended by 95 members and 7 visitors (102 total - Wow!, Ed.)

**TREASURER'S REPORT**

Submitted by Jack, KB7ZS

The Financial report for the month is noted below:

**INCOME**

Dues	\$	264.00
Raffle Profit		116.00
Badges & Pins		16.00
Fleamarket		3,254.00
Miscellaneous		2.00
<b>TOTAL</b>	<b>\$</b>	<b>3,652.00</b>

**EXPENSE**

Relay		185.00
Field Day		13.00
Hall Rental		187.50
Fleamarket		2,215.65
Exchange		28.50
Misc		92.46
<b>TOTAL</b>	<b>\$</b>	<b>2,665.11</b>

**EXCESS/DEFICIT** \$ 986.89  
=====

All requests for checks should be presented, in writing, at the next general or board meeting. Please include your call on all requests, checks, when paying your dues, and any other correspondence. Thanks.

**ACTIVITIES REPORT**

Submitted by Chuck, N7STR



The following programs and activities are scheduled for the benefit of the Mike & Key members...

February 20 - Club meeting program, Flea market preparations and assignments

March 5th & 6th - Friday, Flea Market setup Saturday - the BIG EVENT itself

March 20 - Election of Officers

April 17 - Club meeting subject, Video and meeting about introducing new and potential Hams to Amateur Radio

May 15 - Club meeting program, Packet Radio and an introduction to the NorthWest PacketCluster

June 19 - Club meeting program, Field Day preparations

June 25/27 - Field Day, Fort Flagler State Park

July 17 - Club meeting program, 'New Items in Amateur Radio', presented by ICOM.

**EMERGENCY SURVIVAL PACKS**

Submitted by Chuck, WA7EBH

We had about 10 people sign up for 20 of the emergency packs that were displayed at the last meeting. I am going to return the sample and see what kind of a price break we can receive on the packs. Please bring your checkbook to the meeting as I will be collecting the funds at that time for those that ordered them. I will then place an order when everyone has paid their funds, about mid March. I can not afford to pay about \$1200 out to order these items on the off chance that someone will back out. If you have any questions, please call me at 392-5303.

**FIELD DAY CHAIR - 1993**

Submitted by Jack, KB7ZS

After a good deal of advertising, Vaclav/AA7EG, has volunteered to take up

the banner as Field Day Chairmen. I think he did this so he wouldn't have to read about it in the Relay.

At any rate I passed the information along and I am sure Vaclav will be looking for band chairmen/women, etc. We have written confirmation for both the Wagon Wheel and barracks so 1993 FD is underway. Please give Vaclav all the support you have given to past chairman. Thanks & 73

**FLEA MARKET UPDATE**

Submitted by Chuck, WA7EBH

WE NEED HELP! Two weeks after the club meeting, this club will be working on its major fund raiser of the year, THE MIKE AND KEY ELECTRONICS SHOW AND FLEA MARKET. These funds go to support all of our various club activities. The club dues alone will not cover all of our operating expenses. Have you signed up to help?

Please contact one of the following people at the club meeting or give them a call if you want to work in a particular area. Remember if you aren't signed up to work, you don't get in free. There has been some heartburn over this policy, but we have to draw the line somewhere. We are attempting to get schedules setup in advance so people know where they are going to work.

The committee chairs are trying to set up a 2 hour work period, and if enough people sign up to work, you may only have to work one period. In the past people have shown up at the last minute to work, picked up their badge, walked thru the flea market and out the door, all without helping out. This is not fair to those who are dedicated and are putting forth a gallant effort.

Facilities.....Hal Goodell..N7NW 549-4178  
fairgrounds liaison

Public Relations....Mike Dinkelman..WA7UVJ  
854-4031  
talk-in station, announcing (delegated to Gib, W7JIE)

Table Sales.....Diane Dinkelman..KB7DNE  
854-4031  
table registration and packets

Ticket Sales.....Lori Graff..N7LCO 392-5846  
admission ticket sales and turnstile handstamp

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Country Store.....Joyce Stroehler..N7JPW  
392-5303

consignment sales for club 10% profit

Equipment.....Nils Hallstrom..WB7TJK  
242-8271

supply officer and gofer, jack of all  
trades

Staging.....Frank Krieger..KA7QHG  
243-9232

pallet crew, traffic control,  
elevators, etc.

Security.....Jerry Sampont..WA7BUY  
827-4480

door security, walking security etc.

VE Exams.....Jim Christiansen..K7ND  
549-4062

licensing exams

ARRL Booth.....Mary Lewis..W7QGP  
523-9117

sales of ARRL books and merchandise

Please give these folks a call and  
signup to help. If you aren't selling items  
at this event than you should be working it,  
in support of your club. It takes about 100  
people to put this event on. If everyone of  
our 150 members were to signup to work, then  
everyone would only have to work one hour.  
Enough said?

**SILENT KEY, IVAN LEE**

Submitted by Michael, WA7UVJ

This past week, the Seattle area Ham  
Community lost one of it's prominent Old  
Timers, Ivan Lee, N7IL, age 71.

I first met Ivan purely by accident. I  
was a teen age Ham and attended party for  
his daughters with another Ham friend. It  
was many years before I was to meet Ivan  
again, this time as an adult, when he was  
gave me my temporary Extra ticket at the VE  
sessions he coordinated for the BEARS. Later  
I went to work for Ivan as a VE myself  
before he retired from the assignment.

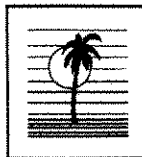
Ivan was a member of many local Clubs  
including the BEARS, Mike & Key, and the  
WDXC. Whenever we had a chance to talk he  
was always helpful and had an upbeat  
attitude, even when his health wasn't  
particularly well. (He was also tolerant of

the boo boos I made filling out VE paperwork.)

Ivan Lee will be missed by all his  
friends in the Northwest and the Mike & Key  
we certainly send our sincerest sympathies to  
his family.

**KG7OZ - BACK FROM ARUBA**

Submitted by Pete, KG7OZ



Back from the island of Aruba,  
I would like to report my Dxpedition  
was a success. Proagation from 12°  
North of the equator is terrific. I  
made over 2000 contacts including  
more than 60 countries. I also  
managaed to work WAS on 10, 15, and 20 meters.  
Practicing my Spanish, I made many QSO's within  
Central and South American stations.

**SAFER HAMMING WITH SPEAKER MIKES**

Submitted by Mike, KG7MX

Remember the Cold War stories about  
health fears for American Embassy staffers in  
Moscow, who reported heavy microwave  
bombardment from Soviet electronic surveillance  
devices? The Soviet devices disappeared in the  
1980's, but the problems seem to have  
emigrated. The news during last month has  
carried a running scientific debate over  
whether UHF cellular phone transmissions  
increased the risk of malignant brain tumors.

According to the Wall Street Journal,  
leading manufacturer Motorola claims that "all  
our products are safe. . .and thousands of  
studies" indicate that small radio phones can  
be held against the head without causing health  
problems. But Motorola executives cited only  
a single unfinished study as proof. And the  
scientist conducting that study, Dr. W. Ross  
Adey, said it is premature to say that radio  
frequencywaves operating in the cellular band  
do not promote tumor formation. His studies on  
rats won't be available for two years,  
according to the paper. Adey was quoted as  
saying that a chemical cell protection normally  
present was observed to have broken down in rat  
brains from low power RF exposure during the  
studies. Although no tumor growth had been  
demonstrated, Adey "showed this breakdown  
occurred at 145 MHz at which ham radios operate  
and at 450 MHz the frequency that [radio]  
phones which security guards use operate."

I am not trained in the health sciences,

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but, as the parent of a son who could have a long-term exposure to the radiation (since he started hamming at age 11), I felt that I ought to know more about possible hazards to hams. I want to share what I found with the members of Mike & Key.

Cellular phones transmit in the 800-900 MHz (40 centimeters) band, above most ham operations. Some hazard is known. We know that the FCC restricts Novices to 5 watts at 1270 MHz (23 centimeters) and 25 watts at 222 MHz (1.25 centimeters). Is low power enough of a safeguard? How safe are Technician Class operators and above at higher power levels? The ARRL manuals say that the Novice power limit is to lessen the thermal or frying effect of such high frequencies on eye tissue in presumably less experienced hands. But new to me, at any rate, is the revelation that industrial heat sealing equipment operates at the CBers' 27 MHz, and that, according to a researcher at Medical College of Virginia, exposure of human lymphocytes (white blood cells) to this frequency causes abnormal growth which continues for 3 to five days after the transmissions cease. He found the same results at 2.45 GigaHertz, suggesting that users of every band from CBs on up are exposed to some effects, even if purely thermal effects are not detected. The scientist conducting the Virginia study says, "Nobody knows what levels are safe."

It seems that the reassuring studies mentioned by Motorola at the beginning of the article were restricted to measuring thermal effects, such as found in microwave ovens, and don't provide total reassurance to handheld transmitter users. (By the way, the FCC restricts microwave oven leakage to milliwatts).

In this confusing situation, it seems to me that the sensible thing is to use a extension speaker-mike with your handheld whenever convenient. If you operate on 440 or above, you probably should use one even if it's inconvenient. Some level of hazard may remain even at lower frequencies, such as 27 MHz or below, but no one quoted in the recent news seems too worried at those frequencies with low power. Separate microphones seem cheap insurance. Besides, you'll get out better holding the rig high over your head!

### IARU RESULTS

Submitted by Michael, WA7UVJ

Next time you see Brian, KF7QF, congratulate him on his nice showing in the IARU World HF Championship last July. Brian pulled in 215 Q's and 50 multipliers. Not bad, especially considering it was his first effort in the contest. Guess I am going to have to start watching my back, huh Brian? An interesting note, all the entrants from the Western Washington entered as CW only. Must be a higher class of contester from this area?

### RUSSIAN POSTAL PROBLEMS

Submitted by Michael, WA7UVJ

Received any letters lately from the former USSR lately? What used to be a regular occurrence for me has turned real rare lately - mail from Russia.

It seems that it now (as of end of 1992) costs 75 rubles to send a letter overseas from Commonwealth of Independent States (CIS). Now, for you and me, that's just a few pennies at current exchange rates. However, to put in perspective from the other side, consider spending \$50 of your money to send that same letter and inflation will probably make it worse before it gets better.

Also, while you are at it, hold onto those outgoing cards destined for old Box 88 in Moscow. The operators of Box 88 has neither the people or financial means to forward those cards to their rightful owners. Better to wait and let things sort out. It appears that other QSL bureaus may be set up for each region in the future.

### CONNECTOR DEMO

Submitted by Frank, KA7QHG

On Friday evening, January 29th, at the request of Amateur Radio Supply, a team of Amateurs/Professionals (? pick one) from the Mike & Key Club gave a demonstration on the installation of coax connectors.

Carolyn Pasquier/WV7Q, who is regional manager of Component Resources, presented an excellent overview of the various coaxial connectors available for Amateur use from the Amphenol Line. Next, Nils/WB7TJK and yours truly provided a demonstration of the proper

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installation of the old standby PL-259 on RG8 and RG58 coax. Nils has an excellent system and we managed to involve the audience with good results.

The program finished with Lew/W7QMP giving a fine demonstration on the proper installation of the complicated looking "N" type connector. Lew is a true professional having spent many years installing radio gear in military equipment. We had a good turnout with about 15 people in the audience.

One of our most useful tools was a display board with the proper procedures for trimming coaxial cable made by Eric/N7DLV, an ARS employee and Mike & Key member. Many thanks to all the team members for their faithfulness in providing this demonstration. 73

#### CALL FOR PALLET CREW

Submitted by Frank, KA7QHC

March 5-6 are the two big days we need your help! We are still short about 10-15 people in the pallet crew area. This is not a hard job and Mike & Key workers do NOT load or unload the pallets - that is the sellers responsibility.

If you used to enjoy pulling your little brother or sister around in your little red wagon, you will love these pallet jacks! It's also a great chance to practice those car horn imitations (V.W.'s are my favorite - *beep beep!!*) CU on the sign up sheets at the next meeting. 73

#### CB RADIOS NEEDED

Submitted by Pete, KG7OZ

Help save lives with your unused CB radio. I am looking for donations for working CB radios, antennas, and solar panels for use in Guatemala. This equipment will be used to develop an emergency communications system in the remote villages surrounding Antigua, Guatemala. These villages have no telephone service and presently require someone to run to the nearest village (with a phone) to request help from Ambulance or Fire services. CB radio contact will greatly speed response time and will save lives.

I will return to Guatemala this Spring/Summer to install the first network of about 30 radios. Future projects in other areas of Guatemala are also planned. An unlimited number of radios can be used.

#### HONDURAS OPERATION

Submitted by Pete, KG7OZ

I will be serving as a radio operator for the International Health Service (IHS) in Honduras Feb 12 - March 4. Each February, the IHS sends about 80 volunteer doctors, dentists, pharmacists, and nurses to the remote areas of Honduras to provide medical care for the native population. Often, these annual visits are the only medical care available in these locations. Approximately 10 teams are formed and sent along the Caribbean coast.

My role will be to handle status reports, request for supplies, and messages home. My station will consist of a Kenwood TS 850 SAT and G5RV antenna running off of solar power. My team will be located in Raya. This village is not on most maps but is located in the extreme Northeast corner of the country in the area called "Mosquita". Raya is on the coast at three miles from the Nicaraguan border. The nearest landmark on most maps is FCabo Gracias A Dios.

I hope to work some Club members if the work load permits. I will be signing KG7OZ/HR3. I expect evenings at 0130-0230Z may be a good time to find me on 20 meters on 14.220MHz ( $\pm$  QRM). Please avoid the international health and welfare traffic for the team members and their families which will take place earlier in the evening. Sundays may also be available - same frequency and on 15 meters 21.270MHz. There will be ample solar power for the operations. I would be happy to entertain any questions at 824-6144 or 275-2781 on weekends.

#### Minutes, General Meeting, 01/06/93

The meeting was called to order by the President Chuck, WA7EBH at 10:00 AM. The Pledge of Allegiance was recited by all followed by the introduction of the membership and visitors.

#### Officer's Report:

Chuck, WA7EBH; The Secretary has requested that when any one makes a motion, etc. to please give your call and name so it can get on the recorder and also it'll give us a chance to write it down. The coffee and donut fund is running low, please contribute. In the RELAY it was mentioned

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that I would have a survival pack for every one to look at. I have it here for your inspection. A list will be circulated for those of you who might want one. Other Clubs will also be participating.

Vice President: Nils, WB7TJK; Called for applicants Victor Carter and P. J. Hicks, both were absent.

Secretary: Lee, KP7OW; Read a Christmas received from Leif, LA700 our Honary Member from Norway.

Chuck, WA7EBH; Called for a motion to approve the minutes as published in the RELAY. Motion was made by Sam, N7RHE. The motion carried.

Treasurer: Jack, KB7ZS; Books are open for inspection by membership. Jack still have some magnetic call signs for those who ordered.

Activities Manager: Chuck, N7STR; For the raffle today we have a stack of Canadian QST magazines.

Radio Officer: Ken K7YR; Ken caution the 2 meter repeater users to wait momentarily after they key their mics before talking because of the delay. Also reminded those with Hand Helds trying to talk with a Rubber Ducky antenna from a vehicle probably won't make it.

#### Committee Reports:

Public Service; Chuck, WA7EBH; February 26, 27 & 28th there will be the Winter Special Olympics. Ross, N7NCJ is handling. The Winter Olympics will be held at Mission Ridge and there is approximately 14 Hans participating and need more. Wayne, K6DOW: The new pamphlets are being put together, so get your changes in to Wayne or Gib, W7JIE.

#### Long Range Planning:

Chuck, WA7EBH announced that the committee has turned in their recommendation to the Board and the Board will be discussing these at the next meeting.

#### Constitution & By Laws:

Ray, WA7BKH is still on vacation.

Relay Editor: Mike, WA7UVJ; Mike need articles for the RELAY.

#### Flea Market:

Chuck, WA7EBH; We still need workers to sign up. Those wishing to drive on the fairgrounds to unload equipment, etc. will need car passes. Most of the Flea Market Committee Chairmen are here and each will give you a brief report. Hal, N7NW is in charge of facilities. Public Relations Mike, WA7UVJ; Still need people for announcing. Registration Diane, KB7DNE; Table sales are going fine. Diane has enough help. Ticket Sales at the front gate Lori, N7LCO; Only have 3 people signed up, need 11 more. Country Store Joyce, N7JPF, not here; Ralph WX7T filled in, also need help. Equipment, Nils, WB7TJK also need more people. Their job will be mostly to walk around and see that vendors are in compliance with regulations. Also need more people for traffic control(at the unloading ramp)spotting vehicles. Pallets; Frank, KA7QHC also need more help, approximately 15 people. Time period will be from approximately from 3:00 PM.

WA7BUY; Also need more help, these jobs consist mostly of door guards, patrolling the parking lot, etc. ARRL Mary, W7QGP is not present, but Harry, W7JWJ will take names of those wanting to help. Mary need more help. VE Exams: Jim, K7ND; If you're interesting in helping see Jim or Mike. WA7UVJ. Chuck, WA7EBH: The Traffic path has been revised. Professional Security personnel have been hired.

Banquet Committee: Jan, N7WJB; Tickets will be on sale for the Banquet at the next meeting. Jack, KB7ZS is on the Awards Committee for the Banquet. He announced that if any one had awards to present during the presentation to see him or Chuck, WA7EBH.

Field Day Chairman: Jack, KB7ZS; Vaclav, AA7EG volunteered for Field Day Chairman.

ARRL: Mary, W7QGP is absent. Harry, W7JWJ: Mary is at a meeting in Florida. A C.B'er in north Seattle was cited by FCC for interference and operating excessive power. Harry was involved in this because he had tested this individual for no code Tech. The new call was received a couple of days before the individual was busted. A short lived call.

#### Old Business:

Chuck, WA7EBH; Presented awards (certificates) for the Christmas Party Chairman and Co-chairman. Wayne, KB7OTS & Jan, N7WJB. Wayne was not present; Lloyd, WA7HNY picked up Wayne's certificate.

Tom, N7VDU still in need of some Amateur Radio equipment to put on display in the Library display case. Trying to get this setup by February 1st.

#### New Business:

Chuck, WA7EBH: We have an election to hold today to fill the vacancy left by the resignation of the Trustee # 4, Dean, N7NKO. The following were nominated: Frank, KA7QHC, (declined) Jan, N7WJB; Maynard, N7VVR; Dan, N7QHC. Jack, N7IHS moved that nominations be closed. Motion carried. Ralph, WX7T will over see the election. Jan, N7WJB won the election.

Chuck, WA7EBH: The election of all officers and Trustee positions 1, 3, and 5 are coming up in the March meeting. We need some one to serve on the election committee.

Chuck, WA7EBH: We're in need of some one to take on the task of delivering the ARRL Books for this year. Tom, N7VDU volunteered.

#### For the Good of the Order:

Frank, KA7QHC: The demonstration of soldering connectors at ARS is coming up on the 29th. We need some to help put this demonstration on.

Nils, WB7TJK: Nils has a bulletin from Kenwood on the DG-5 frequency display. If some one is need of this bulletin see Nils.

Mike, WA7UVJ; Novice Roundup starting at the end of the month running through the 1st week in February.

Meeting recessed for Break at 10:50 AM.

Meeting resumed at 11:05 AM.

Alligator Award: Jan, N7WJB kept the alligator.

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Chuck, WA7BBH: Program for today is on Emergency Communications. Chuck, Wayne, K6DOW & Gib, W7JIE will do the presentation. The program had to be cut short at about the mid point due to Services scheduled in the Salvation Army building, will resume later.

Chuck, N7STR: Held the Raffles. The winners were: Ermano, N7VIQ \$10.00 gift certificate. Nils, WB7TJK \$15.00 gift certificate. Aldo, N7MYM \$25.00 gift certificate and N7VIQ won the Canadian QST magazines.

The meeting was adjourned by the President Chuck, WA7BBH at 11:35 AM.

Submitted by: Lee W. Bertrand, KG7OW, Secretary

**BOARD MEETING MINUTES**  
**02/02/93**

The meeting was called order at 7:35 PM by Chairman of the Board Ralph, WX7T.

Present were: Ralph, WX7T; Chuck, WA7BBH; Nils, WB7TJK; Lee, KG7OW; Jack, KB7ZS; Wayne, K6DOW; Chuck, N7STR; Jan, N7WJB; Mike, KG7MX. Absent were: Ken, K7YR and Carolyn, WV7Q. Visitors were: Eric, N7DLV; Dan, N7QHC and his wife Dawn; Mike, N7PGZ; Frank, KA6QHG; Pete, KG7OZ.

Motion was made and second to accept the minutes as published in the RELAY.

Ralph, WX7T: Discussed the status of HB2781 (State Antenna Height Bill). Ralph and Jack, KB7ZS sent letters to 4 local legislators. Rec'd one answer. Also discussed the duration of the General Meetings.

Chuck, WA7BBH: Reiterated the fact that we still need more members to sign up for work to be done at the Flea Market.

Nils, WB7TJK: Nils read 2 applications for membership; one from Kris Haistad, KA7TDU, General Class. The second application from Lloyd Kelly, N7YNU Codeless Tech. Both candidates were accepted for presentation the general membership. Nils also discussed the membership application status of P.J. Hicks and Victor L. Carter. He also reported a supplier for pallet jacks to be used at the Electronic Show and Flea Market.

Jack, KB7ZS: Financial books are open for the membership. Also discussed the ARRL membership refund to the club. Jack reported that the Wagon Wheel Reservation has been confirmed for Field Day.

Lee, KG7OW: Discussed the Club property. Chuck, WA7BBH suggested that an inventory be made by the Radio Officer or if not done by Field Day, the Trustees should do an inventory and if not done by then, the weekend of Field Day would be a good time. Lee also discussed the scheduling of events in the Salvation Army building which runs into conflict with our meetings.

Chuck, N7STR: Chuck reported that Carolyn, WV7Q could not attend meeting tonight's meeting because of personal reasons. Next month's program will be on the Flea Market. The Board discussed the sending of cards to the sick and for loss of immediate family members. It was decided that the Secretary will send cards for the ill or lost of immediate family

members.

Wayne, K6DOW: No report.

Diane, KB7DNE: Diane discussed the registration procedure and progress for the Flea Market, 104 tables rented out so far. Mike, WA7UVJ in need of articles for the RELAY.

Mike, KG7MX: Discussed activities of By Laws Committee.

Jan, N7WJB: Discussed First Aid at the Flea Market and offered his services. The Board accepted.

Mike, N7PGZ: Mike is working on robots. Mike also requested Flea Market flyers.

Chuck, WA7BBH: Chuck reported that only 20 members signed up to buy emergency packs and this is not enough to get a discount. In order to get the discount we need to buy 26. The Board agreed to purchase 6 packs to be sold to other members.

Frank, KA7QHG: Frank (Committee Chairman) complimented the participants helping put on the demonstration of soldering connectors and coax at ARS this past Friday night. They were: Nils, WB7TJK; Lew, W7QMP; Carolyn, WV7Q; Eric, N7DLV; Had fair attendance and good participation by those attending. Overall everything went real well.

Nils, WB7TJK: Nils also discussed the demonstration at ARS plus suggested that the club have a box or such for members who are reluctant asking technical question to be able to write down a question and drop same in a box. Different formats were offered by different members. Someone could then read the question and address these during the last part of meeting or before the meeting. A long discussion followed. Chuck, WA7BBH suggested to follow up on this in the February meeting.

Nils, WB7TJK: Nils will have copies of the job duties of the officers of the club available to any member interested in being elected to office. Nils will also have sets of maps of all the logging roads in the state of WA and OR available to members. These will have to be checked out through Nils.

Pete, KG7OZ: Gave a report on his recent visit to Aruba. Pete will also be going to Honduras with a medical group. He is also taking on a small mission of his own, trying to collect C.B. radios to give to Guatemalans who are in small villages without telephones or any other mode of communications and is asking for help in obtaining these.

Dan, N7QHC: No report; enjoyed the meeting.

Having no further business the meeting was adjourned at 9:00 PM by Chairman of the Board, Ralph, WX7T.

Submitted by: Lee W. Bertrand, KG7OW, Secretary

**FROM THE EDITOR: Because of the roster (3 pages), it a FULL Relay. I really had to cut back the margins to cram it all in this month. I want to thank all who submitted articles. Between school and work, it was a hectic week and time was limited. Keep it up and we will see you at the meeting. DONT FORGET (how could you?) SIGN UP TO WORK THE FLRA MARKET!**



## MIKE &amp; KEY ROSTER - FEB 1993 (SUFFIX SORT)

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	C_OF
	ELEANOR LESLIE	13517 117TH AVE NE	KIRKLAND	WA	98034	821-4188	
	WILLIAM BELK	4815 - 110TH AVE CT E APT D	PUYALLUP	WA	98372		
	DAWN HUMPHREY	232 S 107TH	SEATTLE	WA	98168	243-0163	
	JO HALLSTROM	17047 - 35TH S	SEATAC	WA	98188	242-8271	
WM7A	JIMMY SUTTON	3516 SW 343RD	FEDERAL WAY	WA	98023	927-7088	E
KB7AFS	PRAHLAD AYENGAR	2516 NE 95TH ST	SEATTLE	WA	98115	524-4040	T
WA7AVC	GORDON CADY	8216 38TH AVE NE	SEATTLE	WA	98115	527-1387	E
WB7AYU	MICHAEL CROSS	5803 SW HANFORD	SEATTLE	WA	98116	935-2688	T
KL7BB	BILL BALZARINI	2525 S 355TH PL	FEDERAL WAY	WA	98003	927-1054	E
WA7BET	ELMER STITZLEIN	19804 5TH NE	SEATTLE	WA	98155	362-2052	A
W9BFP	RICHARD MEREDITH	10530 SE 206TH PL	KENT	WA	98031	852-1213	A
W7BQG	ELLIS HAMER	1402 22ND NE #310	AUBURN	WA	98002	939-4895	A
WA7BUY	GERALD SAMPONT	11211 NE 100TH	KIRKLAND	WA	98033	827-4480	G
AA7BX	CLIFFORD OLIN	2120 123RD AVE SE	BELLEVUE	WA	98005	746-2489	E
K7CHV	CHUCK GRAFF	16307 TIGER MTN RD SE	ISSAQUAH	WA	98027	392-5846	A
KA7CSE	MICHAEL HANSOW	1412 LK YOUNGS WY SE	RENTON	WA	98058	255-7137	G
WB7CXA	NORMAN JOHNSTON	PO BOX 276	RAVENSDALE	WA	98051	432-3994	G
N7DLV	ERIC SNYDER	4046 S 168th	SEATAC	WA	98188	NOT LISTED	A
KB7DNE	DIANE DINKELMAN	637 - 2nd S	KENT	WA	98032	854-4031	t
K6DOW	WAYNE MODDISON	16646 SE 134TH ST	RENTON	WA	98059	271-5314	A
WB7DVX	LINDA HOLT	PO BOX 1209	CHELAN	WA	98816	(509) 682-4529	T
WA7EBH	CHARLES STROEHER	19415 SE 21ST ST	ISSAQUAH	WA	98027	392-5303	A
AA7EJ	VACLAV SAL	22523 143RD AVE SE	SNOHOMISH	WA	98290	668-4948	E
WA7EKH	RAY LESLIE	13517 117TH AVE NE	KIRKLAND	WA	98034	821-4188	G
WA7ELI	LEW RAMBO	11605 NE 150TH PL	BOTHELL	WA	98011	488-9120	T
K7EQ	ANGELA KORN	10307 108TH ST CT SE	TACOMA	WA	98498	NOT LISTED	E
W7EVS	MONTY WALES	1540 MAPLE LANE #13	KENT	WA	98031	854-2531	E
W7FKI	JAMES HAMLIN	31459 40TH AVE SW	FEDERAL WAY	WA	98023	838-8453	E
WA7FMT	JIM MORRIS	4406 S 166TH ST	SEATTLE	WA	98188	246-4270	G
KB7GEW	CLAIRE MITCHELL	NOT LISTED				NOT LISTED	G
W7GEY	WARD WEILAND	12230 MARINE VIEW DR SW	SEATTLE	WA	98146	244-1733	E
WZ7H	EARL SWINEY	10606 210 AVE CT E	SUMNER	WA	98390	862-4741	E
N7HAM	CLINTON POZZI	14639 SE 267TH	KENT	WA	98042	631-0575	G
AA7HB	DONALD LAHR	940 - 9TH AVE	FOX ISLAND	WA	98333	549-2436	E
N1HBQ	JEFFERY FASULO	12907 E GIBSON RD, D104	EVERETT	WA	98204	353-7963	E
WA7HCP	JIM LONG	8124 128th SE	RENTON	WA	98056	NOT LISTED	A
W7HIL	JOHN BLACK	14312 NE 16TH PL	BELLEVUE	WA	98007	746-7611	A
N7HKL	TED VAN TUYL	PO BOX 23	PACIFIC	WA	98047	939-8875	T
WA7HNY	LLOYD HAVERMAN	16729 126TH AVE SE	RENTON	WA	98058	228-2058	A
WA7HQG	JOHN REHNSTROM	9621 9TH NW	SEATTLE	WA	98117	783-2489	T
WA7HWX	JAN HART 196802	C/O SAUDI ARAMCO PO BOX 5860	UDAHAILIYAH 31311	SAUDI ARABIA			T
N7IHS	JACK GRIMMETT	1525 PINE VIEW DR NW	ISSAQUAH	WA	98027	392-9510	G
W11IP	HOWARD AYER	218 S 152ND #86	SEATTLE	WA	98148	431-9194	E
N71VR	DAN WINKLER	2214 E HIGHLAND DR	SEATTLE	WA	98112	423-6689	E
W7JIE	GIB GIBSON	1215 N 28TH PL	RENTON	WA	98056	226-4222	E
KB7JIE	ROBERT ZIMMERMAN	10519 SE 219TH	KENT	WA	98031	852-4887	N
KB7JNN	MICHAEL MILLS	31108 3RD AVE #337	BLACK DIAMOND	WA	98010	886-1811	A
N7JPW	JOYCE STROEHER	19415 SE 21ST ST	ISSAQUAH	WA	98027	392-5303	T
W2JTP	BYRON KRETZMAN	11538 3RD AVE NW	SEATTLE	WA	98177	NOT LISTED	E
WA1JVY	MARK PEREIRA	405 S 7TH ST #3D	RENTON	WA	98055	NOT LISTED	
W7JWP	ARNOLD LARSON	15348 70TH AVE NE	BOTHELL	WA	98011	488-7463	A
WS7K	HERSSCHEL WHITING	9820 NE 16TH	BELLEVUE	WA	98004	454-6640	E
WA7KBK	DON REMBAUGH	20175 45TH NE	SEATTLE	WA	98155	362-9189	G
KB7KBY	MARK KULIEN	21904 28TH PL S	SEATTLE	WA	98188	NOT LISTED	T
KG7KC	DARLENE PAUZA	600 SW KENTON ST #B101	SEATTLE	WA	98106	767-7921	A
W7KCX	DICK DIETSCH	23713 NE 72ND ST	REDMOND	WA	98053	868-8386	E
K7KOT	TILLET, STEVE	NOT LISTED				98424	E
AA7KW	ERAL COLLINS	2609 W PLYMOUTH	SEATTLE	WA	98199	281-8085	E
N7KWZ	NORMAN AHRENS	794 KITT NARCISSE RD	COLVILLE	WA	98114	NOT LISTED	G

MIKE & KEY ROSTER - FEB 1993 (SUFFIX SORT)

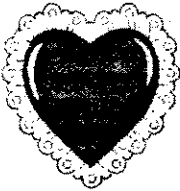

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	C_OF
N7LCO	LORI GRAFF	16307 TIGER MTN RD SE	ISSAQUAH	WA	98027	392-5846	T
K87LM	BOB RULIFSON	14232 SE 23RD	BELLEVUE	WA	98007	746-5192	E
N7LMT	CHUCK RICHARDSON	202 SW 119TH ST	BURIEN	WA	98146	243-3366	T
N7LTH	ALEX SELLMAN	14753 26TH NE	SEATTLE	WA	98155	362-6140	T
KA7MCB	JULIAN WILLIAMS	7839 S 114TH ST	SEATTLE	WA	98178	772-5729	G
KA7MCH	CURTIS CASTOR	7527 LAKE CITY WAY NE	SEATTLE	WA	98115	524-1901	N
W7MCU	LEN WESTBO	10528 SE 323RD ST	AUBURN	WA	98002	833-4834	E
N7MDW	KEN SMITH	15402 SE 132ND ST	RENTON	WA	98056	226-4899	N
AA7ME	ELLIE WARINSKY	719 N 128TH	SEATTLE	WA	98133	365-6196	E
N7MER	RICHARD PASQUIER	535 - 29TH E	SEATTLE	WA	98112	322-0558	T
K7MRH	WARREN NIXON	6908 AVON COURT	KENT	WA	98032	854-9028	A
N7MUT	STEVE KANEY	5711 S 152ND PL #124	SEATTLE	WA	98188	244-4282	A
KG7MX	MICHAEL HANSEN	4157 WEST MERCER WAY	MERCER ISLAND	WA	98040	232-1069	E
N7MYM	ALDO SAMBONI	421 SMITH ST	SEATTLE	WA	98109	283-2480	E
NX7N	ROBERT ANDERSON	12029 SE 220 PL	KENT	WA	98031	631-8330	E
NM7N	MARY BROWN (ARRL NW VOIR)	504 CHANNEL VIEW DR	ANACORTIS	WA	98221		E
KB7NBQ	ROBERT TILLEY	2427 S 96TH #94	TACOMA	WA	98444	536-6935	A
K7ND	JIM CHRISTIANSEN	PO BOX 147	FOX ISLAND	WA	98333	549-4062	E
K7NEX	DICK VANCE	3718 S 170th	SEATAC	WA	98188	NOT LISTED	T
N7NFF	THOMAS GIBSON	1901 UNION AVE NE	RENTON	WA	98056	271-0190	G
KA7NGT	ROY SPERLINE	306 PACIFIC IS S	PACIFIC	WA	98047	735-0920	G
N7NKA	JOSHUA KELLIKOA	4249 S 173RD	SEATTLE	WA	98188	248-2433	G
N7NKO	DEAN HOLTAN	13915 4TH AVE SW	SEATTLE	WA	98166	242-6715	G
KD7NM	BOB DONNELL	18102 15TH AVE NE. #301	SEATTLE	WA	98155	827-8005	A
N7NW	HAL GOODELL	987 LUMMI DR	FOX ISLAND	WA	98333	549-4178	E
WN7NXC	LES JACOBS	14300 103RD NE	BOTHELL	WA	98011	821-8839	A
KB7NYF	ALAN OLSON	3426 NE SUNSET BLVD	RENTON	WA	98056	255-9369	
KB7NZB	JOHN HILES	611 EDMONDS AVE NE	RENTON	WA	98056	255-9529	T
N7NZJ	ROSS HOLLY	14241 WOODENVL-DUVALL RD 301	WOODENVILLE	WA	98072	487-2499	G
WA7OEU	BOB ABERNETHY	1609 SHELTON AVE NE	RENTON	WA	98056	235-1609	E
LA7OO	LEIF SKAAR	SYRE BOX 153	4281 SKUDENESHAVN	NORWAY			
N7ORL	MIKE SELLMAN	10533 NE 189TH #1	BOTHELL	WA	98011	486-7448	A
KB7OTS	WAYNE DEVINEY	16729 126TH SE	REDMOND	WA	98058	228-2058	T
KG7OW	LEE BERTRAND	PO BOX 34	ENUMCLAW	WA	98022	897-8486	A
WA7OXN	BOB MCGAHUEY	14840 74TH PL NE	BOTHELL	WA	98011	488-7841	A
KG7OZ	PETE FARSJE	21135 - 32ND S	SEATTLE	WA	98198	824-6144	A
K7OZY	SANDRA DUNKEL	2611 S 288th #52	FEDERAL WAY	WA	98003	839-1256	G
KB7PAD	MARION AYER	218 S 152ND #86	SEATTLE	WA	98148	431-9194	G
K7PFR	JOHN BECKER	15160 NE 7TH	BELLEVUE	WA	98007	746-2129	G
N7PGZ	MIKE HANSEN	4157 WEST MERCER WAY	MERCER ISLAND	WA	98040	232-1069	G
K7PHZ	JIM CARPENTER	2125 ELM SE	AUBURN	WA	98002	833-9017	A
W6PKW	CASEY ANGELOFF	20307 96TH ST E	SUMNER	WA	98390	862-8677	A
K6PQJ	ROBERT YERKES	PO BOX 853	NORTH BEND	WA	98045	888-3420	E
W7PRW	CARL BUTLER	16831 40TH AVE S	SEATTLE	WA	98188	242-6297	G
WA7PVE	BRIAN BASKETT	5802 SWAN CREEK DRIVE	TACOMA	WA	98404	472-6812	E
N7PWR	NED AKERMIN	19908 MARINE VIEW DR SW	SEATTLE	WA	98166	878-7434	E
K7PZX	KEN JACKSON	3921 55TH ST CT	GIG HARBOR	WA	98335	851-2442	G
WV7Q	CAROLYN PASQUIER	PO BOX 166	SUMNER	WA	98390	826-4977	E
W7QCV	HAP KING	451 145TH PL NE	BELLEVUE	WA	98007	747-0441	A
M7QEP	JEFF GOUGH	25221 108TH AVE SE #D-307	KENT	WA	98031	859-2854	
N7QES	MARTIN GROTE	2203 LINCOLN PL SE	RENTON	WA	98055	235-4535	T
KF7QF	BRIAN WOOD	8706 206TH ST SE	SNOHOMISH	WA	98290	481-2361	E
N7QFX	EUGENE SODANO	16503 48TH AVE SO	TUKWILA	WA	98188	246-7122	T
W7QQP	MARY LEWIS (ARRL DIR)	10352 SANDPOINT WAY NE	SEATTLE	WA	98125	523-9117	A
N7QHC	DAN HUMPHREY	232 S 107TH	SEATTLE	WA	98168	243-0163	
KATQHG	FRANK KRIEGER	3410 S 166TH ST	SEATTLE	WA	98188	243-9232	A
K7QMI	TIM SCHNEEBECK	14520 FREEMONT AVE N	SEATTLE	WA	98133	368-3970	T
W7QMP	LEWIS NAVARRE	24105 35TH PL S	KENT	WA	98032	824-2935	A
N7RHE	SAM SULLIVAN	13626 SE 232ND	KENT	WA	98042	631-0663	T
WA7RJW	CHRIS HOLT	PO BOX 1209	CHELAN	WA	98816	(509) 682-4529	T

## MIKE &amp; KEY ROSTER - FEB 1993 (SUFFIX SORT)

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	C_OF
N7VRD	BRIAN WINGERT	2318 2ND AVE	SEATTLE	WA	98121	632-5261	G
K7RXV	STEYAERT	20609 SE 271ST	KENT	WA	98042	432-2714	A
N6RY	TERRY CONBOY	7969 145TH AVE SE	RENTON	WA	98059	228-3127	E
N7RYD	BETTY FLENER	6011 OBERLIN AVE NE	SEATTLE	WA	98115	524-6276	T
N7SAO	HEATHER TALBOT	18012 - 140TH SE	RENTON	WA	98058	226-6726	T
WBOSNK	RANDAL S EVANS	22209 122 AVE SE	KENT	WA	98031	630-4200	G
W7SRZ	CHUCK NORTHCUTT	353 S 116TH	SEATTLE	WA	98168	243-6432	E
N7STQ	BILL MACK	11047 SE 264TH ST	KENT	WA	98031	852-5029	T
N7STR	CHUCK BENEFIEL	PO BOX 82	FOX ISLAND	WA	98333	279-1517	T
WX7T	RALPH SCHUMACHER	4032 E MERCER WAY	MERCER ISLAND	WA	98040	232-8053	E
WA7TAI	GENE JACOBSON	7334 126TH AVE NE	KIRKLAND	WA	98033	822-3931	A
WB7TBR	VICTOR ZUMBRUNNEN	22032 8TH AVE S	DES MOINES	WA	98198	824-2098	G
WB7TJK	NILS HALLSTROM	17047 35TH AVE S	SEATAC	WA	98188	242-8271	G
KA7TJM	CLARENCE MITCHELL	667 EDMONDS AVE NE	RENTON	WA	98056	NOT LISTED	N
N7TNI	RYAN MARTIN	PO BOX 5306	KENT	WA	98064	631-5370	T
N7TQC	ERIC GRONAU	19436 SE 266th	KENT	WA	98042	631-8287	T
KF7TX	FRANK VYBORNY	5767 S EDDY ST	SEATTLE	WA	98118	723-4475	A
WA7UEW	DICK LUNDSTROM	32131 19TH LANE SW #166	FEDERAL WAY	WA	98023	838-9559	T
N7UIF	PETER KOZLOWSKI	23349 SE 269TH ST	MAPLE VALLEY	WA	98038	432-0850	T
N7UIW	DERRICK HALL	4639 SOUTH AUSTIN	SEATTLE	WA	98118	725-7851	G
N7UPW	BUD SCHERLER	54375 150TH	TUKWILA	WA	98188	243-0655	T
N7USB	LARRY LOGEN	PO BOX 3603	SEATTLE	WA	98124	783-9852	T
WA7UVJ	MICHAEL DINKELMAN	637 2ND AVE S	KENT	WA	98032	854-4031	E
KA7VBA	JOHN FULLER	405 S 164TH ST	SEATTLE	WA	98148	244-4131	T
N7VDU	THOMAS PATTERSON	PO BOX 425	MAPLE VALLEY	WA	98038	432-1500	E
KF7VG	RICK ANTES	19025 32ND AVE S	SEATTLE	WA	98188	246-7570	E
W7VIH	PAT SHINNERS	534 N 78TH	SEATTLE	WA	98103	782-6978	G
N7VIQ	ERMANNORUSI	3129M E LK SAMM LN SE	ISSAQUAH	WA	98027	392-6864	G
WB7VJA	PATI SUTTON	3516 SW 343RD	FEDERAL WAY	WA	98023	927-7088	G
N7VMV	ESKO MANNISTO	10912 SE 6TH	BELLEVUE	WA	98004	451-1869	T
N7VMW	ED MARZI	13505 138TH AVE SE	RENTON	WA	98059	235-0471	T
N7VMX	JOHN OGDEN	3201 E LEXINGTON WAY #187	MERCER ISLAND	WA	98040	232-5585	T
N7VVR	MAYNARD WINCHESTER	16214 SE 130 PL	RENTON	WA	98059	228-0731	G
N7VWD	MICHAEL MCCOY	12708 - 13TH LANE SW D5	SEATTLE	WA	98146	246-4549	T
N7VWF	RALPH HAYDEN	1836 E HAMLIN	SEATTLE	WA	98112	323-0680	T
KA7VXN	JOYCE BASKETT	5802 SWAN CREEK DR	TACOMA	WA	98404	472-6812	T
N7WIM	KEVIN PURCELL	318 10TH AVE E #C7	SEATTLE	WA	98102	726-8032	T
N7WJB	JAN VAN ALLEN	3915 S 238TH	KENT	WA	98032	824-9039	T
WB7WNF	RALEIGH ELKINS	13506 CEDAR CT EAST	SUNNER	WA	98390	897-8090	T
K7WTG	PETE HEDBERG	20904 NE 77TH ST	REDMOND	WA	98053	868-1536	G
N7WVZ	RANDY HANSEN	221 SW 153RD ST SUITE 165	SEATTLE	WA	98166	493-0324	T
N7YAU	JEAN LUEBBERT	439 - 157TH SE	BELLEVUE	WA	98008	NOT LISTED	
N0YC	TED BOESSENROTH	2009 DAYTON DR SE	RENTON	WA	98055	255-7721	E
WA7YFH	THOMAS KUHLMAYER	3828 34th AVE SW	SEATTLE	WA	98126	932-8846	A
WA7YGB	JEREMY DONIMIRSKI	15004 SE 183RD CT	RENTON	WA	98058	226-5139	A
N7YOB	DICK BRIDGES	9805 S 248TH A-4	KENT	WA	98031	854-0201	T
N7YPB	VICTOR CARTER	26623 127TH AVE SE	KENT	WA	98031	631-6705	T
KA7YPO	GLENN REGAN	2500 ALDER ST #217	MILTON	WA	98354	838-1653	N
K7YR	KEN RAU	5430 LAKE ALICE RD SE	FALL CITY	WA	98024	222-7711	E
N7ZAX	DONNA WINCHESTER	16214 SE 130TH PL	RENTON	WA	08959	228-0731	T
W7ZLW	VERN NELSON	13839 SW CARNEY LAKE ROAD	PORT ORCHARD	WA	98366	876-2495	A
KB7ZS	JACK BURRELL	108 130th PL NE	BELLEVUE	WA	98005	454-3617	A
N7ZWD	KEN VAN ALLEN	31813 - 21ST SW #16	FEDERAL WAY	WA	98023	NOT LISTED	T
N7ZXZ	MIKE CARRIGAN	14615 SE 42ND	BELLEVUE	WA	98006	562-4936	T
N7ZYA	NICK CARRIGAN	16115 SE 5TH	BELLEVUE	WA	98008	746-2298	T
KA7ZYN	REG BUTT	700 216TH PL NE	REDMOND	WA	98053	868-8328	E

# MIKE & KEY ARC CALENDAR

February 14 - March 20, 1993

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Feb 14  Valentine's Day	Feb 15 President's Day	Feb 16	Feb 17 7:30pm Club Net on 146.82 Repeater	Feb 18 7:00pm Public Service Net 7:30pm PARS Meeting	Feb 19	Feb 20 7:30am Club Breakfast 10:00am Club Meeting 1:00pm VE Exams
Feb 21	Feb 22  Washington's Birthday	Feb 23	Feb 24 Ash Wednesday 7:30pm Club Net on 146.82 Repeater	Feb 25 7:00pm Public Service Net	Feb 26	Feb 27
Feb 28	Mar 1	Mar 2 7:30pm Club Board Meeting	Mar 3 7:30pm Club Net on 146.82 Repeater 7:30pm Issaquah ARC Meeting	Mar 4 VE Exams (KF7QF) 7:00pm Public Service Net 7:30pm Flea Market Meeting	Mar 5	Mar 6 10:00am Boeing ARC Meeting 1:00pm VE Exams - Kent (KF7VG)
Mar 7	Mar 8	Mar 9 7:30pm WWDXC Meeting	Mar 10 7:30pm Club Net on 146.82 Repeater	Mar 11 7:00pm Public Service Net	Mar 12	Mar 13 8:00am SeaTac Repeater Group 10:00am VE Exams - Riverside Inn 1:00pm NAPRA Meeting
Mar 14	Mar 15	Mar 16	Mar 17 St. Patrick's 7:30pm Club Net on 146.82 Repeater	Mar 18 7:00pm Public Service Net 7:30pm PARS Meeting	Mar 19	Mar 20 Spring begins 7:30am Club Breakfast 10:00am Club Meeting 1:00pm VE Exams

**MIKE & KEY FLEAMARKET**