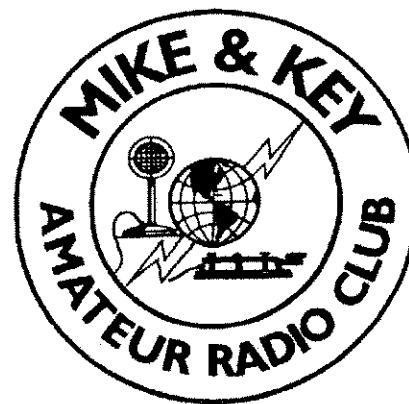


K7LED RELAY



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 Tobin St., near the SE corner of the Renton Airport. The Club operates repeaters on 52.05-53.05, 146.22-146.82 (PL 103.5), 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. Yearly dues - \$12,single \$18,family.

VOLUME 23

February 1995

NUMBER 2

PRESIDENT	- Nils Hallstrom, WB7TJK	Tel:242-8271	TRUSTEE #1	- Chuck Benefiel, N7STR	Tel:279-1517
VICE-PRESIDENT	- Carolyn Pasquier,WV7Q	Tel:432-1500	TRUSTEE #2	- Dan Humphrey, N7QHC	Tel:243-0163
SECRETARY	- Ryan Martin, N7TNI	Tel:631-5370	TRUSTEE #3	- Lewis Navarre, W7QMP	Tel:824-2935
TREASURER	- Jack Burrell, KB7ZS	Tel:454-3617	TRUSTEE #4	- Chuck Stroehrer, WA7EBH	Tel:392-5303
ACTIVITY MNGR	- Tom Patterson, N7VDU	Tel:432-1500	TRUSTEE #5	- Michael Hansen, KG7MX	Tel:232-1069
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

NEXT BOARD MEETING
February 28 @ 7:30PM
Salvation Army HQ
720 Tobin, Renton

FIRST CLASS MAIL

NEXT CLUB MEETING
February 18 @ 10AM
Salvation Army Renton HQ
720 Tobin St, Renton
Doors open at 9:30AM

Program: Fleamarket Q&A



MARCH 10/11 FLEAMARKET
MARCH 18 OFFICER ELECTIONS

DEADLINE FOR MARCH RELAY SUBMISSIONS - MARCH 9
CHECK MAILING LABEL FOR DUES STATUS

What? More old time from that Ol' Goat?

Submitted by Gib, W7JIE

A few other things before I quit this stuff (You thought I'd never run down!)



Communication by radio has had its ups and downs. With the elimination of CW from ships and no one monitoring 500KHz anymore, the old way of doing things needs to be considered. If for no other reason than to let folks know that there were different approaches to communications not too many years ago.

In the beginning, of course, CW was a message handling system. Then, in the early 1940's someone decided to tie a teletype machine on to a CW transmitter and communicate. Great idea but it didnt work too swift! Every time the signal faded just a bit, or noise crept up a hair, the durned signal would garble. That's no good.

Some genius in a back room said why not put the signal on the air all the time and then came frequency shift keying (FSK). Audio keying of the carrier was tried ut that was not as effective. Many shifts were tried but 850Hz shift was used for the most part because of the availability of audio filters. Lots of that still in use today.

Then another question--if we can make a single channel teleprinter work, why not combine two of them. Now we have four-frequency shifted signal. This usually used 1100, 1350, 1600, and 1850Hz for the shifted frequencies. It worked well. We even had some IBM equipment with "bouncing ball" printers tied in on the radio system for a while. Then along came a need for encryption.

Teletype corporation, a branch of the ATT company, came up with a 4-channel teleprinter multiplexing system. Still using plain old HF transmitters, this system wiped off the start & stop pulses of the 60-WPM teletypes, set up a system of synchronizing pulses within the intelligence bit stream, and away you go. Then tie in a system of electronic encryption which really garbaged up the bit stream but made it work full duplex.

This worked well, although it took some maintenance, and on the whole was a good system. The fore-runner of many of the sophisticated systems now on the air.

So we come to today. Way back in 1958 and 59 we were using a system of IBM equipment that "read" intelligence off an 80-column punched card, converted it to audio frequency shifted signals and usually sent it on by wire. There was some work on sending it by radio. Eventually that technique was perfected and operates today. But the 80-column punched card was the basis for the mode used. The card had a "start of message" and a "end of message" signal generated by the sending equipment which synchronized the system. (Note the similarity to packet today). 80-Column cards were send with a "header" card and an "end of transmission" card to identify individual messages while within the message was a "start of block" and "end of block" for each punched card! The signaling code structure was copied off the old Friden Flex-o-writer system and is still in use today. "Fieldata" is a modification of the ASCII code used on packet today and is in use by the Department of Defense on their "autodin" (automatic digital network) system worldwide. So, from that old 4-of-8 code by IBM to Friden Flex-o-Writer to "fieldata" to ASCII coding comes today's packet system used by hams around the world. I was glad to have been a part of the system development. Worked 36 years in communications. Sometimes I wonder why. Ah well.

So closes the "old goat memories of things that happened in the past". Hope you enjoyed and did not fall asleep, run off the road, hit a tree, and mess up your beautiful Harley. Keep up the chin and have a lot of fun with ham radio.

30, 73, 88

A Different View

Submitted by Doug, AB7BU

I have only been a Ham since 1993, but after reading all the controversy about eliminating the code as a requirement, I have formed my own opinion about the situation, that I haven't seen.

I believe the code should be

eliminated, because it just isn't important means of communication anymore. Those who want to let the code would always be free to pursue that aspect of the hobby on their own. On the other hand, I do not think it should be made any easier to achieve the different levels of license classes.

I propose that if the code were eliminated, or the code speed reduced, that the written portion be made **much more** difficult. That means the FCC stop giving away the answers and that the tests be structured in such a way that knowledge of electronic theory were demonstrated, rather than answers being memorized.

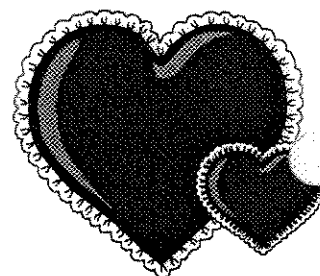
I think this change would satisfy those people who do not want to study code and it satisfy those who want people to have to earn their privileges. I was one who hated to study the code (and have never used it) and would rather have spent the time and **learning** the theory. 73.

Valentine Phonetics

Submitted by KB9HHK, AA7ZC, KA7OVQ, KC7FSR

- | | |
|-------------------|---------------------|
| Arrows, Amoré | Necklace |
| Bow, Brachs | Old, Obstinate |
| Cupid, Candy | Propose |
| Diamonds, Darling | Queen |
| Earrings | Romance |
| Forever | Sweetheart, Smitten |
| Gifts | Telegram |
| Honey, Hearts | Unrequited |
| Idiot (?-ed.) | Valentine |
| Jewels | Wish |
| King | X-rated |
| Love | Young |
| Mother, Marriage | Zing (ed.) |

(We really need to get these guys a life! - ed.)



News from the ARRL

Submitted by Michael, WA7UVJ



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This leads me to another thought. Should we publish e-mail and packet addresses along with the normal roster info? If you would like yours done so, send me the info. It will be too late for this roster but I'll be happy to post updates in the Relay until the next. (WA7UVJ@N7FSP or mwdink@cuix.pscu.com)

CQWW 160 - Fox Island style

Submitted by Michael, WA7UVJ

Lately, my radio time has been severely limited. Between school, work, and personal commitments, radio just seems to take the back seat. To the rescue comes the occasional contest. They provide me with short periods of intense radio activity - just enough to recharge my batteries.

So happened the CQWW 160meter contest this past January. Jim/K7ND, Casey/W6PKW, and I had been talking about it for several months. Jim has a couple towers plus another one belonging to Hal/N7NW just across the way. This works good for stringing the long wires needed for 160 operation. Add to that the acquisition of a Dentron amplifier in good condition

and we would be ready to ionize the stratosphere.

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Stanwood - WX7R and company (K7SS and AA7CQ).

As we were all hooked up through packet, I kept getting indications that conditions were a lot better for them than us. Comments like "lots of Europeans" and "best conditions ever" filled me with dread. After the contest was over it was quite evident that the Fox Island team needed some more work as WX7R (the Stanwood Blowtorch) ended up with an even 1,000 contacts (to our 469) and mucho points. Yet, we had fun - and that's what it is all about. Next year, we hope to be just a bit better and who knows, maybe we can give the boys up north a better run for their money. Either way, they didn't have any more fun than I did.

Many thanks go to Jim and Corrine Christiansen for putting up with Casey and myself over the weekend including feeding us and putting up with the racket all night long. (Oh, I slept through the Superbore... uh I mean the Superbowl - who won?)

General Meeting Minutes

January 21, 1994

Submitted by Ryan, N7TNI

Officers present were:

President Nils/WB7TJK,
Vice President Carolyn/WV7Q, Treasurer Jack/KB7ZS, Secretary Ryan/N7TNI, Activity Manager Tom/N7VDU, Trustee #1 Chuck/N7STR, Trustee #2 Dan/N7QHC, Trustee #3 Lew/W7QMP, Trustee #4 Chuck/WA7EBH, Trustee #5 Michael/KG7MX, RELAY editor Mike/WA7UVJ, and Radio Officer Ken/K7YR.



Call to Order, Pledge of Allegiance, Welcome to members and visitors.

Nils/WB7TJK asked that we try to make this a short meeting, due to the program at ICOM in Bellevue. He asked that committee reports be brief if possible, or no report if the information has already been printed in the RELAY.

Introductions: Nils commented on the great turnout at today's meeting. He asked that our visitor with the HB9 call

sign tell us more about himself. He introduced himself as Werner Reisacher, former HB9VC, currently licensed as N7SBR and living in Tukwila.

President - Nils/WB7TJK: Nils announced that he considers it a privilege to be president of a group of the most honest people he has ever had the pleasure of working with. His comment was prompted by the fact that every one of the twelve clipboards that went out a Field Day was returned. He was very appreciative of this. Nils mentioned the special event to be held aboard the USS Missouri in September '95. Rumors that the ship will be moved away from Bremerton are just that, the ship is going to stay. Nils delegated to Al Hopwood/KB7THX and Debra Hiraki/KB7QMQ the duty of representing the Mike and Key Club at a meeting today. The meeting was moved to January 28th, but they were not notified of the change. Nils commented on the scope of this project, it will be a large undertaking. Watch the RELAY, information will be published as it becomes available.

Vice President - Carolyn/WV7Q introduced the candidates for membership. They were Lee Glass/AA7ZE (not present), Bing Clisbee/KG7SF, Barry Boyce (not present), Carl Dobrowolski/WA6SGE, and Floyd Halstead/W7JQD. Nils reported the board had discussed the application of Lee Glass, and recommended that he be considered for membership, even though he has been unable to attend any meetings. Lee, a medical doctor, is currently in Africa for six months on a medical mission. Michael/KG7MX made a motion that Lee Glass/AA7ZE be admitted to membership in the Mike and Key Club in absentia. Chuck/N7STR seconded the motion. The club membership voted to accept Lee, Floyd, Carl, and Bing as members.

Secretary - Ryan/N7TNI received 3 pieces of correspondence at the last board meeting. They were a Christmas card from Leif/LA7OO, our member in Norway, a card from Gerhard/DL8GBP, our member in Germany, and a letter from the ARRL, thanking us for the very generous contribution of \$1000.00 toward

costs of the Archie ham radio collection books. Today I received a copy of THE MAPLE VALLEY HAMLINK, newsletter of the Maple Valley Amateur Radio Club, a copy of the Loggers Bark, the Radio Club of Tacoma newsletter, a mailing from AEA, the February '95 issue of World Radio, and two ARRL letters, which were forwarded to Mike/WA7UVJ our RELAY editor. Nils called for approval of the minutes of the November general meeting, as published in the last RELAY. Chuck/N7STR moved that they be approved as published, seconded by N7WJB. The membership voted to approve them as printed.

Activity Manager - Tom/N7VDU: Today's program will be a tour of ICOM. We will meet there at 13:00. February's program is Flea Market preparations, March will be officer elections, and April's program is still to be determined. The drawing will be held later in the meeting, there are three gift certificates from Amateur Radio Supply as prizes.

Radio Officer - Ken/K7YR reported he has been very busy. The controller for the new 2 Meter repeater has arrived. He hopes to have the Motorola package put together by the next meeting, and to have it burning in. Ken announced that he is now able to monitor the 146.82 repeater during the day at work, so if you have a problem he is available.

Chairman of the Board - Chuck/WA7EBH had sign up sheets on the tables for the Flea Market. If you don't sign up in advance, you will not be able to get in free. We need lots of help this year, and still have positions open for most tasks. If you have signed up already, you should verify that the information is correct. Nils needs help loading pallets, to be delivered the Thursday before the Flea Market. The February meeting will be devoted to Flea Market preparations. Mary/W7QGP reminded us that help is also needed for clean up after the vendors go home. Everyone is really tired at this time, and help is really important. Chuck stated that a case dinner is being planned after the event, this would be a one price dinner. You can sign up at the February meeting for the dinner. Nils/WB7TJK announced that he was contacted just prior to the meeting by

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Officer Reports:

President: Nils/WB7TJK was excused.

Vice President: Carolyn/WV7Q presented the board with three applicants for membership, Peter Thorsen/KC7IBI, Bruce Miller/KC7IAY, and Werner Reisacher/N7SBR. The board voted to present them to the membership for vote at the February meeting. Barry Boyce/KC7BZC, whose job prevents him from attending regular meetings has had an application pending since August. Chuck/WA7EBH suggested his application be presented to the membership at the next meeting, for consideration of a membership vote in absentia. Carolyn reported that a total of nine people had not completed some aspect of the membership process. Carolyn was able to contact all of them. Three subsequently attended a membership meeting and were voted in as members, one said to return his check, and five have not yet picked up their membership packets.

Secretary - Ryan/N7TNI, had received a letter from the Fort Flagler user association, inviting volunteers to a work party. This was given to Frank/KA7QHG so he could put the word out on the Wednesday night net.

Treasurer - Jack/KB7ZS gave the financial report to the board. As usual, financial data for the last year will be available for member's review at the next general meeting. The audit committee will meet Monday, February 6th to perform the audit of the financial records and club assets. There was a discussion of audit procedures.

Activity Manager - Tom/N7VDU was not present.

Radio Officer - Ken/K7YR was not present, but Jack/KB7ZS had spoken with Ken, and reported that he has assembled and is testing the new 2 meter repeater, based on a Motorola commercial radio.

Standing Committee Reports:

Public Service - Dan/N7QHC reported that he would like to talk to the Technical committee about recommendations on antennas that the Salvation Army needs to purchase for emergency communications. Chuck/WA7EBH stated that he has had very good luck with Comet or Diamond commercial antennas. He stated that high gain is not needed or wanted, since having too high a gain will be detrimental to stations who are not located on the horizon, and make it more difficult to work repeaters located above the radiation pattern.

Education and Training - Lew/W7QMP reported there was an article on page seven of the current

RELAY. Lew will be doing a short presentation (quick dipole antennas for emergency use) prior to the next general meeting. Michael/KG7MX asked if the programs could be tape recorded. Then next committee meeting will be held the second Tuesday of the month, at the Southcenter Denny's at 19:30.

Facilities and Publicity - Al/KB7THX reported that the committee had met at Little John's in Eastgate three weeks ago. They decided that the club trailer should be approximately 25 feet in length, that it be lifted with a crane over the wall, and placed on blocks in the courtyard. It would be intended to be a permanent structure, in that it would not intended to be towed to other locations. Al feels that the club's needs could be met adequately by a construction trailer. Al contacted Evergreen Mobile, a major manufacturer of these trailers. They have over 1500 trailers available, the small ones range from 16 to 24 feet. These are divided into two rooms, with cabinets suitable for radio equipment. They are wired for electricity, telephone, and electric heat. They do not have a kitchen, or bathroom. These cost from \$4000 - \$5000 used and in good condition. Al recommended that the board make a motion to the membership to grant the Facilities committee a budget of up to \$5000 to purchase a suitable trailer, if approval of the majority (seven) of the Board members can be obtained via telephone contact or other means. Board discussion followed. Chuck/N7STR wanted to clarify that the proposed budget would be for acquisition of the vehicle only, and would not be used to equip it. Chuck/WA7EBH called for a board member to present Al's proposal as a motion. Carolyn/WV7Q made the motion, which was seconded by Lew/W7QMP. More discussion followed. The motion was to authorize expenditure of up to \$5000 for the purchase of a trailer. Approval by a majority of the board members by telephone contact or other means is required. The vote was 6 ayes, 0 nays. This motion will be presented to the membership at the next meeting.

Special Committees

Flea Market - The next meeting will be Thursday, February 2nd, at 19:30 at the Salvation Army Headquarters in Renton. Chuck/WA7EBH will not be able to attend the next club meeting, he will be on vacation. He reported that about 60 - 70 percent of the needed volunteers for the Flea Market have signed up already.

Unfinished Old Business:

Al/KB7THX made a report on a meeting he had

attended at the Radio Club of Tacoma, for the WW2END project that the North Kitsap Amateur Radio Club is organizing. He will submit a comprehensive report to the board, and will submit an article for the RELAY. Al asked for board approval to use our 146.82 repeater one night per week to hold a U.S.S. Missouri net from now until the event in September. The board approved the use of the machine one hour per week, Tuesday nights from 20:00 - 21:00.

There was a discussion of the club's insurance coverage by the board.

Chuck/N7STR provided Chuck/WA7EBH with the club equipment list from last years equipment audit. Chuck/WA7EBH will update and publish a new list after this year's audit is completed.

New Business:

ARRL - Mary/W7QGP reported that last summer during the forest fires in eastern Washington, the Mission Ridge Repeater was taken over by the military, who used tactical calls and utilized the machine for coordinating the MP's, helicopters, and other functions.

Since the value to the public of the Amateur Radio service was clearly demonstrated, Representative Dale Foreman of Wenatchee has submitted a bill to the house in Olympia, asking that the maximum repeater use fee that the Department of Natural Resources could impose be set at \$100 per year. This bill has not been assigned a number yet. Mary wanted the clubs to be aware that this bill is in the works. The DNR has been trying to impose commercial fees (\$1000+ per month) on the amateur repeater sites under their jurisdiction.

Mary also reported that vanity call signs are approved, but nobody can apply for them until FCC form 610V has been designed and printed. The first window will be for people who would like the call sign of a deceased family member re-issued. Extra class hams would be handled in the second window, then Advanced class hams, then Club calls and everyone else in the fourth window. The bad news is it looks like the FCC wants to charge everyone \$70 for a ten year amateur license, vanity or not. The ARRL is working to try to keep the \$70 fee limited to vanity calls.

ARRL dues are scheduled to increase 1.00 effective April 1st, mostly this increase is needed to cover the higher postage costs.

Jack/KB7ZS moved adjournment, seconded by Chuck/N7STR.

Mike & Key ARC Roster for February 1995 - Name Sort

ADAMS, ROB
KC7FBN
14030 12TH NE #20D
SEATTLE, WA, 98125
986-4212

AHRENS, NORMAN
N7KWZ
794 KITT NARCISSE RD
COLVILLE, WA, 99114
(509) 684-6491

AKERMAN, NED
N7PWR
19908 MARINE VIEW DR SW
NORMANDY PARK, WA, 98166
878-7434

ALLEN, MELLISSA
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HODGES, RICK KB7TBF 16340 NE 83RD A-101 REDMOND, WA, 98052 881-1385	KENT, DONALD KB7UYA 12129 SE 260TH PL KENT, WA, 98031 630-0251	LOGAN, LARRY N7USB POB 3603 SEATTLE, WA, 98124 783-9852	MORRIS, JIM WA7FMT 4406 S 166TH ST SEATTLE, WA, 98188 246-4270	RAU, KEN K7YR 5430 LAKE ALICE RD SE FALL CITY, WA, 98024 222-7711
HOLLY, ROSS N7NZJ 14241 WOODENVL-DUVALL RD 301 WOODENVILLE, WA, 98072 487-2499	KILEN, KAREN KC7ACX 2525 S 355TH PL FEDERAL WAY, WA, 98003 927-1054	LONG, JIM WA7HCP 8124 128th SE RENTON, WA, 98056 NONE LISTED	NAVARRE, LEWIS W7QMP 24105 35TH PL S KENT, WA, 98032 824-2935	REGAN, GLENN KA7YPO 2500 ALDER ST #217 MILTON, WA, 98354 838-1653
HOLTAN, DEAN N7NKO 13915 4TH AVE SW SEATTLE, WA, 98166 242-6715	KING, HAP W7QCV 451 145TH PL NE BELLEVUE, WA, 98007 747-0441	LUEBBERT, JEAN N7YAU 15812 NE 25th PL BELLEVUE, WA, 98008 NOT LISTED	NIXON, WARREN K7MRH 26908 AVON COURT KENT, WA, 98032 854-9028	REHNSTROM, JOHN WA7HOG 9621 9TH NW SEATTLE, WA, 98117 783-2489
HOOD, RICK KC7CRS POB 1346 AUBURN, WA, 98071 833-5969	KOZLOWSKI, PETER N7UIF 23349 SE 269TH ST MAPLE VALLEY, WA, 98038 432-0850	LUNDSTROM, DICK WA7UEW 34022 43RD AVE S AUBURN, WA, 98001-9542 NOT LISTED	OGDEN, JOHN K7VMX 2929 76TH SE #505 MERCER ISLAND, WA, 98040 232-5585	REMBAUGH, DON WA7KBK 20175 45TH NE SEATTLE, WA, 98155 362-9189
HOPWOOD, AL KB7THX 4459 141ST PL SE BELLEVUE, WA, 98006 747-5192	KRIEGER, FRANK KA7QHG 3410 S 166TH ST SEATTLE, WA, 98188 243-9232	MACK, BILL N7STQ 11047 SE 264TH ST KENT, WA, 98031 852-5029	OLSON, MARILYN KB7WSH 320 NE 91ST SEATTLE, WA, 98115 525-6125	RICHARDS, MARK KA7OVQ 2411 S 116TH WAY SEATTLE, WA, 98168 248-1581
HUMPHREY, DAN N7QHC 232 S 107TH SEATTLE, WA, 98168 243-0163	KUHLMEIER, THOMAS WA7YFH 3828 34th AVE SW SEATTLE, WA, 98126 932-8846	MANNISTO, ESKO N7VMV POB 2827 REDMOND, WA, 98073-2827 391-7953	OLSON, ALAN KB7NYF 3426 NE SUNSET BLVD RENTON, WA, 98056 255-9369	RILEY, JOHN KC7AVD 12414 149TH SE RENTON, WA, 98059 271-1269
HUMPHREY, DAWN NO CALL 232 S 107TH SEATTLE, WA, 98168 243-0163	KULJEN, MARK KB7KBY 21904 28TH PL S SEATTLE, WA, 98188 NONE LISTED	MARTIN, RYAN N7TNI PO BOX 5306 KENT, WA, 98064 631-5370	ORLANDO, JOSEPH KB7WCP 26411 189th SE KENT, WA, 98042 631-3040	ROSS, MICHAEL KB7YXB POB 68182 SEATTLE, WA, 98168 248-2295
JACKSON, KEN K7PZX 905 16TH ST NW PUYALLUP, WA, 98371 845-1591	LAHR, DONALD AA7HB POB 57 FOX ISLAND, WA, 98333 549-2436	MARTIN, KATHY KB7QMO POB 5306 KENT, WA, 98064 631-5370	PANTZER, GERHARD DL8GDP IM KORLEHAN 20 88086 TETTANANG, GERMANY, EUROPE	RUSI, ERMANN0 N7VIQ 3129 E LK SAMM LN SE ISSAQUAH, WA, 98027 392-6864
JEANS, ORIEN KB7GQK 36115 14TH SW FEDERAL WAY, WA, 98023 874-5372	LANGJAHN, JOE KJ7DG 13440 NE 29th PL BELLEVUE, WA, 98005 881-6555	MARZI, ED N7VMW 13505 138TH AVE SE RENTON, WA, 98059 235-0471	PASQUIER, CAROLYN WV7Q PO BOX 166 SUNMER, WA, 98390 861-1157	SAMBONI, ALDO N7MYM 421 SMITH ST SEATTLE, WA, 98109 283-2480
JEFFERS, MAYNARD KB7UEX 28510 40TH S AUBURN, WA, 98001 859-9047	LARSON, ARNOLD W7JWP 15348 70TH AVE NE BOTHELL, WA, 98011 488-7463	McCOY, MICHAEL N7VWD 12708 - 13TH LANE SW D5 SEATTLE, WA, 98146 246-4549	PATTERSON, TOM N7VDU PO BOX 425 MAPLE VALLEY, WA, 98038 432-1500	SANDVIG, DAN AA7ZK 21727 CALHOUN RD MONROE, WA, 98272 794-4282
JOHNSON, BILL KB7TBE 30600 2ND AVE SW FEDERAL WAY, WA, 98023 941-9548	LEMKE, AL KB7QQW 10004 206TH NE REDMOND, WA, 98053 868-9437	McGAHUEY, BOB WA7OXN 28000 NE 142ND PL #121 DUVALL, WA 98019	PEREIRA, MARK WA1JVY 405 S 7TH ST #3D RENTON, WA, 98055 NONE LISTED	SCHERLER, BUD N7UPW 54375 150TH TUKWILA, WA, 98188 243-0655
JOHNSON, ROBERT W7LRD 19205 142ND PL SE RENTON, WA, 98058 631-6120	LESLIE, ELEANOR KC7EBC 13517 117TH AVE NE KIRKLAND, WA, 98034 821-4188	McGEE, JOHN K7OT 1918 EDMONDS DR SE RENTON, WA, 98055 255-3592	POZZI, CLINTON N7HAM 14639 SE 267TH KENT, WA, 98042 631-0575	SCHNEEBECK, TIM K7QMI 14529 FREEMONT AVE N SEATTLE, WA, 98133 368-3970
JOHNSON, LARRY KB7RZU 1518 KIRKLAND AVE NE RENTON, WA, 98056 277-5397	LESLIE, RAY WA7EKH 13517 117TH AVE NE KIRKLAND, WA, 98034 821-4188	MEREDITH, RICHARD W9BFP 10530 SE 206TH PL KENT, WA, 98031 852-1213	PRICE, LARRY KB7RLG 12506 69TH AVE S SEATTLE, WA, 98178 772-6832	SCHUMACHER, RALPH WX7T 4032 E MERCER WAY MERCER ISLAND, WA, 98040 232-8053
JOHNSON, NORMAN WB7CXA POB 276 RAVENSDALE, WA, 98051 432-3994	LEWIS, HARRY W7JWJ 10352 SANDPOINT WAY SEATTLE, WA, 98125 523-9117	MILLS, MICHAEL KB7JNN 31108 3RD AVE #337 BLACK DIAMOND, WA, 98019 886-1811	PURCELL, KEVIN N7WIM 318 10TH E #C7 SEATTLE, WA, 98102 726-8032	SELLMAN, ALEX N7LTH 14753 26TH NE SEATTLE, WA, 98155 362-6140
KELLEY, LLOYD N7YNU 2915 22ND ST AUBURN, WA, 98002 833-5651	LEWIS, MARY W7QGP 10352 SANDPOINT WAY NE SEATTLE, WA, 98125 523-9117	MODDISON, WAYNE K6DOW 16646 SE 134TH ST RENTON, WA, 98059 271-5314	RAMBO, LEW WA7ELI 11605 NE 150TH PL BOTHELL, WA, 98011 488-9120	SELLMAN, MIKE N7ORL 10533 NE 189TH #1 BOTHELL, WA, 98011 486-7448

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ADAMS, ROB
KC7FBN
14030 12TH NE #20D
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794 KITT NARCISSE RD
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BURIEN, WA, 98166
242-8180

MIKE & KEY ARC CALENDAR

February 12 - March 18, 1995

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