

K7LED

AN
ARRL
AFFILIATED
CLUB

RELAY

NEAR SEATTLE, WASHINGTON

VOLUME 12

OCTOBER 1984

NUMBER 10

CLUB OFFICERS

President	Charles Stroehrer	WA7EBH	Trustee No. 1	Jimmy Sutton	WA7LNQ
Vice President	Karl de Jong	N7AMX	Trustee No. 2	John Rehnstrom	WA7HQG
Secretary	Deborah de Jong	N7AVO	Trustee No. 3	George Boross	N7BT
Treasurer	Mike Cross	WB7AYU	Trustee No. 4	Vern Nelson	W7ZLW
Activity Mgr	Hal Goodell	N7NW	Trustee No. 5	Ray Leslie	WA7EKH

CLUB RADIO OFFICER: KEN RAU K7YR

The K7LED RELAY is the official publication of the MIKE and KEY AMATEUR RADIO CLUB, 23206 SE 53rd, Issaquah, WA. 98027. The Club meets the third Saturday of each month at 10 AM at "The Good Neighbor Center", 305 S 43rd St. Renton, WA. All "Hams" invited.

The Mike and Key net meets each Sunday morning at 10 A.M. on 3930 kHz with Novice and CW check-in on 3730 kHz and VHF on 146.58 MHz and K7LED/R 52.37-53.37 MHz.

K7LED RELAY EDITOR
13517 117th Ave NE
Kirkland, WA. 98034



First Class

REPEATER FREQUENCY

147.08-68
52.37-53.37

BOARD MEETING

NOV 7 1980

W7ZLW
QTH

CLUB MEETS:
UGN CENTER
RENTON 10:00

K7WTG 1-85
PETE HEDBERG
28984 NE 77TH ST
REDMOND WA 98053

ACTIVITY EVENING

NO ACTIVITY DUE
TO THE HOLIDAYS

COFFEE AND DONUTS WILL BE READY AT 0930, SEE YOU AT THE MEETING

Here are the names, address and phone number of the Club Officials. See front of Relay for position.

CHARLES STROEHER, WA7EBH, 13614 SE 43rd St, Bellevue, Wa. 98006, Phone 747-7833

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PACKET RADIO

THE NEXT CLUB MEETING ON OCT. 20, 1984 I AM GOING TO DEMONSTRATE PACKET RADIO WITH A BASE UNIT USING A AEA-TAPR BOARD AND ALSO MY PORTABLE UNIT USING A GLB TNC. I WILL TRY A CONNECT ON 2-METERS AND ALSO A CONNECT ON 220. I HOPE ALL INTERESTED GUESTS AND MEMBERS WILL COME TO THE MEETING AND OBSERVE.

GENE-WA7TAI

THE PREZ SAYS:::

During a short vacation trip to British Columbia for fishing and relaxation I was able to work a few Club members on 75 meters on the Sunday morning net. Very good signals from those that checked into the net. The fishing was great along with the weather.

I understand that the H.D. Hotspurs dinner was well attended and an interesting presentation by the guest speaker. I would liked to have attended, but I was sitting in a college class thinking of the good ribs.

There are quite a few activities upcoming that will need help from the club members, only if just for a few minutes at the activities. Volunteer and have some fun, maybe even some freebies!!!

It has been suggested that all club members take it upon themselves to introduce themselves to our guests and new members, make them feel welcome.

See you at the Club meeting --WA7EBH Chuck

ON OCTOBER 27 THE M&K WILL HOLD THEIR ANNUAL AUCTION AT MCMICKEN HEIGHTS. LITTLE JOHN, WA7HQG, WILL AGAIN BE OPERATING THE COUNTRY STORE. AS YOU KNOW ALL THE PROFITS FROM THIS STORE GOES TO THE CLUB. LITTLE JOHN NEEDS GOOD STUFF FOR THE STORE THAT HE CAN SELL, SO LOOK AROUND YOUR SHACK AND THAT GOOD STUFF YOU CAN PART WITH PLEASE BRING IT TO THE AUCTION - NO JUNK - WHAT IS LEFT OVER GOES IN THE DUMPSTER.

SUPPORT YOUR LOCAL RADIO STORE, WHEN YOU BUY, BUY LOCAL

Hams Face Two New Challenges

The FCC has proposed to reallocate half of the 160-meter band (1900-2000 kHz) to non-government radiolocation because of an anticipated expansion of the AM Broadcast Band that would force certain radiolocation stations to move. Although the September 11 release of Docket 84-874 came as a surprise to the Amateur Radio community, ARRL's reaction was swift. ARRL is prepared to file tomorrow (September 14) a motion to hold this NPRM in abeyance pending the resolution of an ARRL petition filed September 10.

Ironically, the day before this NPRM was released, the ARRL filed a Petition for Initiation of Inquiry Procedure on the present use of the medium frequency bands by non-government radiolocation users. The purpose of this inquiry is twofold: first, to define the spectrum requirements of individual users, and second, to find the number of radiolocation stations needed in a given geographical area. The League requests that the Commission take a look at the spectrum efficiency and the technical need for the use of the 1900-2000 kHz band by non-government radiolocation users. As we go to press Thursday morning, we have no indication of the course that the FCC will follow in this case, which is beginning to look like the bureaucratic equivalent of a soap opera. We'll keep you updated via this letter and WIAW bulletins.

¶ ARRL has requested that the FCC issue a Declaratory Ruling of Limited Federal Preemption of State and Local Regulation of Amateur Radio Station Installation and Operation. Such a ruling would delineate the limitations of local zoning and other local and state regulatory authority over Federally-licensed Amateur Radio facilities.

In documenting the need for such a ruling, ARRL cited a number of cases where local authorities have attempted to use zoning regulations to prohibit effective Amateur Radio operations. Although the local officials tend to couch their actions and decisions in terms of the protection of health and safety, there is

little basis in the safety or health concerns.

ARRL goes on to point out that the Commission did issue a Public Notice in 1977 discussing the FCC's jurisdiction and pre-emptive authority over local regulation of radio with respect to interference problems. This notice did not, however, provide a "means by which a municipality might judge whether or not a particular ordinance is, facially or as applied, unduly restrictive or should be pre-empted."

ARRL says that its request is straight forward and need not require FCC participation or intervention in local disputes or litigation. But without such a declaratory ruling, the present trend toward municipal and judicial intervention will continue. This will have a detrimental impact on the future of the Amateur Radio Service.

The League's petition is similar to one filed by United States Communications, Inc. (USCI) seeking a declaratory ruling with respect to TVRO (television receive-only) earth stations installed in residential areas.

The FCC seeks comments on the League's filing. An original and four copies of your comments must be received by the Secretary, Federal Communications Commission, 1919 M Street, NW, Washington, D.C. 20554 on or before November 9. As a courtesy, but not a requirement, please send a copy of your comments to ARRL Hq. Reply comments are due on or before December 14. Comments should refer to document number PRB-1. A copy of the League's request is available from ARRL Hq. for a 9 X 12 inch s.a.s.e. with 88¢ postage.

Please think carefully about the kinds of comments that will have a positive impact on this proceeding. You should construct non-emotional, factual accounts of any difficulty you have had in obtaining permission to erect an effective antenna. Of particular importance will be such things as legal and professional expenses incurred, as well as incidental expenses such as time lost from work. Venom will not improve our chances of obtaining this ruling.

According to ARRL Counsel Christopher D. Imlay, N3AKD, several powerful organizations, e.g., the American Planning Association, the National League of Cities, the City of New York, and the National Association of Counties, have filed comments opposing USCI's request. Most criticize the USCI request by stating that there is no factually demonstrated problem with local government regulation. Some of these groups may file similar comments with regard to the League's petition. The battle is far from won, and the stakes are very, very high.

¶ The ARRL filed opposing comments on a petition seeking to amend the amateur rules to allow an applicant to re-take a license test within seven days after failing an exam (RM-4835).

The petition was filed by Phil H. Miller, KB8OX. Miller says that this would allow an "increased examination access to applicants without being a burden to the Volunteer Examiners and would not add to the work-load of the Commission since only a successful applicant requires action by the commission in issuing the appropriate licenses."

Since the FCC assigned the task of designing amateur exams to the Volunteer Examination Coordinators (VEC's), it is possible for an examinee to take the same test with the same questions many times, depending on how often the VEC changes the exams. Furthermore, if a VEC were to provide amateur examinations on a regular basis, it would be forced to change examinations weekly in order to ensure that the same test is not given in a successive examination session. The League also feels that amateur exam candidates should prepare for examinations in advance by studying the material rather than relying on rote memorization through repeated test-taking.

¶ In November, OST will debut a new column focusing on Amateur Radio news and the people making it. It will appear near the front of the magazine, just after "League Lines." The column, which will be conducted by Features Editor Andrew Tripp, KA1JGG, will cover a broad spectrum of Amateur Radio, and deemphasize organizational news, which will continue to be covered in "League Lines", "Happenings," and other articles.

¶ AMSAT's 75-meter net frequency has changed to 3855 kHz. This will allow General class operators to check in. The East Coast, Mid-West and West Coast nets are still 9 P.M. local time every Tuesday.

¶ AMSAT-OSCAR 10's beacon is now carrying QTC numbered bulletins. QTC 001, sent on September 3, announced the new transponder operating schedule. (Transponder on between Mean Anomaly (MA) 32 and 190 -- Mode B except when Mode L replaces it between MA 100 and 117 Monday through Saturday; no Mode L on Sundays.) This is a temporary operating schedule for the duration of the present eclipse season. QTC 002 announced the new beacon format (see September OST, page 61, for details.)

UoSAT-OSCAR II is in a stable orbit. UoSAT Program Manager Martin Sweeting, G3YJO, reports that telemetry shows successful gravity gradient boom deployment and gradient capture/stabilization. The satellite attitude must be stable, since the downlink signals, including the 2.3 GHz beacon, are very steady.

¶ Ralph Wallio, WØRPK, of Indianola, Iowa, and Robert Carpenter, W3OTC, of Rockville, Maryland, have been having routine contacts by 6-m meteor-burst propagation. These contacts have been 100 per cent error-free, thanks to the use of packet-radio techniques. Other than the use of TAPR (Tucson Amateur Packet Radio) packet-radio modems and computer terminals, conventional Amateur Radio equipment is used. WØRPK uses an unmodified 250-W Motorola FM base station and a 5-element Yagi. W3OTC employs a modern all-mode rig, a 150-W solid-state amplifier and a 6-element Yagi.

Packets are limited to 30 or 40 information characters and about 20 overhead characters (calls, error-detection characters, etc.), requiring a burst 320 to 380 ms long. Acknowledgement packets are about 20 characters long (128 ms). Because of the slow recovery time of the older FM rig, as much as 100 ms of fill is allowed before acknowledgement. Thus, a burst has to be about 610 ms long to transmit a 60-character packet and receive an acknowledgement. Shorter times are now being tried successfully.

¶ Recently the FCC revoked the license of Calvin Plageman, ex-WD6DSV. Mr. Plageman then questioned the FCC about participating in third-party traffic. FCC Special Services Chief Raymond A. Kowalski responded. The unabridged text of Mr. Kowalski's response is self-explanatory and follows: "This is in reply to your letter of September 11, 1984, and follows up our telegram of September 19, 1984. Your letters stems from the recent Summary Decision in PR Docket 84-531 and 532, which revoked and suspended your Amateur licenses and which went into effect September 19, 1984.

"Regarding your revocation and suspension, you ask whether or not you 'can operate as a third party in the presence of a licensed operator.' The answer to that question is 'No.' You cannot 'operate' an amateur station. The presence or absence of a licensed operator makes no difference.

"Section 97.79 (d) of the Amateur Rule allows a licensed Amateur to permit a third party to 'participate in amateur radio communication from his station.' This rule exists to allow persons who are not licensed Amateur radio operators to experience the benefits of this service and to stimulate their interest in Amateur radio. Accordingly it permits incidental communication by non-Amateurs over Amateur stations under certain very limited conditions.

"You, on the other hand, were formerly a licensed Amateur who forfeited the right to operate an Amateur station. Therefore you are not in the class of persons intended to be exposed to Amateur radio by virtue of Section 97.79 (d). Hence you are prohibited from communicating over Amateur radio under any and all circumstances.

"You state that you have sold your radio equipment to one Debra Pearson (KA6PSI). Our records reflect that she is a person 28 years younger than yourself, licensed as a Technician, and with the same mailing address and station location as yours. Any operation of this or any other station by you would be considered unlicensed operation, in violation of Section 301 of the Communications Act. The penalties for violation of this law include a year in prison and a \$10,000

fine. In addition, the law applies with equal force to anyone who knowingly permits you to operate their station.

"We remind you that, at such time as you file an application for a new station license, your actions during the period that you were under suspension and revocation will be taken into consideration. A course of action which is essentially a sham and subterfuge to evade the effect of the Summary Decision against you would reflect adversely on any future Amateur application you may file."

¶ The San Gabriel Valley Radio Club, on behalf of all radio amateurs in the Arcadia, California area, obtained an exclusion for Amateur Radio antennas in a restrictive antenna ordinance.

Wendell Chapman, W6VIF, said that a proposal to limit satellite dish antennas was so restrictive that it eliminated almost all types of antennas, including dipoles!

Educating the City Council members about Amateur Radio was done with a presentation patterned after the Santa Barbara Amateur Radio Club (reprinted in ARRL's booklet, Answers to your Questions About Local Antenna Regulations), and the assistance of Jim O'Connell, W9WU, Southwestern Division Vice Director Wayne Overbeck, N6NB and ex-Mayor of Arcadia, Jim Helms, W6UOI. The club was able to convince the City Council members at a public hearing that an exemption for Amateur Radio installations was needed. The new ordinance will be changed to limit satellite television receive-only dishes.

¶ NASA Hq. has forwarded to Johnson Space Center (JSC) the Joint ARRL/AMSAT proposal to have astronaut Tony England, WØORE, carry amateur equipment with him on his flight scheduled for next April. (See Vol. 3, No. 11.) The proposal has been accepted philosophically by NASA; JSC engineering personnel must now make technical and feasibility assessments. ARRL expects NASA to send a letter to the two organizations in a few weeks informing them of the acceptance contingent upon the project meeting all NASA technical and operational criteria.

AUCTION---OCTOBER 27

Well we are about ready to do another Auction. As usual it will be held at the McMicken Heights Improvement Center on Saturday the 27th of October. Lots of help will be needed the day of the auction. We will need people for registration, security, kitchen, and handling the books. A sign up sheet will be passed around at the next meeting so you can volunteer your services. We will meet at the Omni Restaurant for our eye opener breakfast at 5 am. Set up will start at 6 am at the Center and the doors will open to the public at 7 am. The auctioneering will commence at 9:30 and continue until all is gone, usually around 3pm. We should be out of there after clean up by 4 to 5 pm. If you can help and won't be at the meeting please contact me at 773-2662, days, or 927-7683, eves. Also please check into the nets and spread the word of the auction. Notices have been distributed to the local ham stores but we need more publicity.

--Hal N7NW

JACKETS

The jackets have been ordered from West Coast Awards and Athletics and will be ready for the October club meeting. A total of 29 jackets were ordered. The club logo will be silk screened on the back in two colors, green and black. The cost of the jacket, including the silk screening and tax, came to \$23.19 for the lined windbreaker and \$47.00 for the Baseball jacket. I had inquired about having our calls stitched on the front and they are not going to be able to do it for the same price as they do names because they do it in script. So those who have paid \$24.81 will be refunded the \$1.61 difference when they get their jackets. If you ordered a jacket and havn't sent you money to me please bring a check to the club meeting so I can make my account solvent.

---Hal N7NW

PICNIC

Wow what a day for a picnic. Who would believe that mid Sept. would have that kind of weather. We had a real good turn out and I think all had a very good time. ---If you didn't make it you missed a really fun time--- Hot dogs and Hamburgers were in abundance as well as the liquid refreshments and of course what would a picnic be with out those pesky yellow jackets. Of course we had our marathone game of baseball which was a lot of fun, except for that bounced hit that I took just above the knee--ouch. Ask Jimmy, WA7LNO, what happens when the home run hit goes over the fence. It seems it cost him \$1.00 to have it fetched back. You would think he would learn after once but no way -- three times yet--. The kids all seemed to have a great time with the swimming, paddle boating, miniture golf, ect. Well I hope you all plan on making next years. Many thanks and a tip of the hat to Bob, KB7LM, Deborah, N7AVO, and Patti, WB7UJA, who put it together.



RIBS--RIBS--AND MORE RIBS

About twenty club members and their spouses and guests got together at HD Hotspurs in Kent on October the third for all you can eat RIBS. Boy they sure know how to prepare those ribs. After dinner we had a guest Ray Isbell, WA7WKC, and his wife Kay present a program. Ray was in Ecuador for twenty five years and was part of the HCJB broadcasting station, known world wide as the Voice of The Andes. The program consisted of a slide show depicting the construction of the new 500,000 watt transmitter and power generating hydro station and was found to be very interesting.

--Hal N7NW

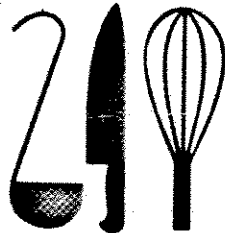
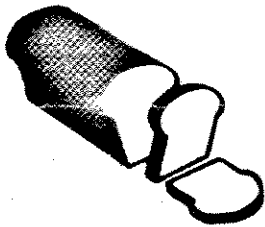
LADIES CORNER

Ladies - that ever present question - what to do with all of that Zucchini??, besides fry it or make bread. Try these recipes. You'll love it.

1 qt buttermilk
2 cups flour
1 box Ranko - Japanese style bread crumbs
(Albertson's has them for sure)
Shredded Romano Cheese

Cut zucchini into 1/4" slices, mix buttermilk and flour. Dip zucchini into batter and dredge in crumbs. Fry at 365 degrees for 1-2 minutes, drain and sprinkle with cheese.

The batter makes a lot, but can be used for mushrooms and other things. Stores well in Frig. Romano cheese is strong!, leave off or use something else. I fried mine in our Wok.



DELICIOUS!!!

1 Jar Pizza sauce
Shredded Mozzarella cheese
Zucchini cut in pieces lengthwise

Bake until tender. Great in microwave also. I can't remember the time, but I left it a little crunchy. I think 5 min on high power, putting cheese on a little later.
WB7VJA - Patti

SOME THINGSS THAT HAPPEN - -

Ken, K7YR, getting antennas up at new QTH - Jack, KB7ZS, wants an auction breakfast - Karl, N7AMX, is coaching a soccer team for 8-9 year old boys - K7PFR, is into model railroads - Hal, N7NW, is staying up late playing with the computer - Patti, WB7VJA, has a new puppy =====

Free tickets to the Puyallup Fair won by the following at the Club Picnic. 2 each - MRH, EBH, HQG, RJT, LNQ

Those of you who plan to be at the auction on the 27th will be interested in meeting the others at the OMNI Restaurant at 0500 hours for breakfast. This will give you enough time to be awake and alert for all the goodies.

PUBLIC SERVICE EVENTS

November 24th	K6DOW	271-5341	Seattle	Seattle Marathon
December 9th			Lk Wash	Boat Ride for the handicapped
December 10-23	K7OMI	547-0404	Seattle	Santa Talks Program for Hospitalized Children

CLUB EVENTS

October 20	- Club Meeting at UGN Center in Renton
27	- Annual Club Auction at McMicken Heights
November 7	- Board Meeting at K7ZLW QTH 1930 hrs
17	- Club Meeting at UGN Center in Renton
December ?	- Board Meeting
8	- Christmas Party at Forest Ridge School
15	- Club Meeting at UGN Center in Renton
110-23	- Santa Talks

DUE TO THE HOLIDAYS AND OTHER THINGS COMMING UP BETWEEN NOW AND THE FIRST OF THE YEAR IT DOESN'T LOOK TO FAVORABLY FOR ANY OUTSIDE ACTIVITIES - THOSE OF US WHO HAVE ATTENDED THE ACTIVITIES ON THE FIRST WEDNESDAY OF THKE MONTH HAVE REALLY ENJOYED - THOSE OF YOU WHO CHOOSE NOT TO ATTEND, WELL, I CAN ONLY SAY YOU MISSED A GOOD THING.

CALL LETTER PUZZLE GAME

DB
 EB
 SB
 AMX NIW
 AVC NM
 AVO NW
 AWW NXC
 AYU OS
 BQY OXN
 BT PBT
 BUN PFR
 COO PHZ
 CR PRW
 CYY PZX
 DVX QGP
 EBH QMI
 EJY R
 EKH RJT
 ELI RJW
 EMS SEH
 EZX TAI
 GHZ UEW
 GPW VEB
 GSE VIH
 HQG VJA
 ITL WKT
 JIE WNF
 JJ WTG
 JWJ YR
 KBK ZLW
 KCX ZS
 KOT
 LM
 LNQ
 MF
 MO
 MOA
 MRH
 MSD
 ND

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R T A I L E Z X Z P U
L Y F M N I W W A H E
M R H Q G S Z K Q E W
R J W N H A X B G S K
F T D L S K V K P N T
P D W V J I E O M X S
H N O O X P B T S O B
Z X O M C R H T D L N
B C A L K W L Z B T B
Q C Y Y R T H D J I E
Y J E P U G P W N F S
N U B E M S J C V A G
  
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Those of you who were unable to make the picnic missed a good one. All there had a good time working on the word search game. Now all of you at home have a chance to see how you do. This will acquaint you with all members of the club and the XYL's. They are the last part of our call letters and the XYL's have initials. They are written horizontal, vertical, backwards, forwards and all ways. There are some that have several ways to come up with them. Find the one that is not on the puzzle. Have fun!!!! WB7VJA - Patti

PS: I guess I have to blow my own horn!! I finally made my General Class License. Thanks to Gib-W7JIE and his great tapes, Jim-WA7LNQ for pushing me and others that shared tapes with me. WB7VJA - Patti

DIANNA BECKER 21112 NE 60TH PL
 ETHEL BROWN 2200 SW BARTON
 SANDY BUCHER 17053 35TH AVE SO
 KARL DE JONG 20903 NE77TH ST
 YAKIMA A. R. C. P.O. BOX 9211
 GORDON CADY 8216 38TH AVE NE
 DEBRA DE JONG 20903 NE77TH ST
 ERNIE DAVIS P.O. BOX 66254
 MICHAEL CROSS 5803 SW HANFORD
 BILL KINSINGER 19811 SE 370TH PL
 GEORGE BOROSS P.O. BOX 4002
 CLAY FREINWALD 8515 IDLEWOOD DR SW
 TONY ALIX 24433 14TH AVE SO
 LINDA HOLT RT 1 BOX 105-A
 CHARLES STROEHER 13614 SE 43RD ST
 ARCHIE BRUSH 225516 30TH AVE SO
 RAY LESLIE 13517 117TH AVE NE
 LEW RAMBO 11605 NE 150TH PL
 HAL PARRIS 3405 SO 176TH #12B
 RALPH CORNELL 21211 4TH AVE SO
 JIM STRANG 307 E. DRY LAKE RD.
 FRANK REYNSTON 212 225TH PL SE
 JOHN REHNSTROM 9621 9TH NW
 JOE KOENIG 13764 NE 12TH ST
 M.L. GIBSON 1215 N 28TH PL
 LARRY DOUGLAS 5702 154TH AVE NE
 HARRY LEWIS 10352 SANDPOINT WAY NE
 ARNOLD LARSON 15348 70TH AVE NE
 DON REMBAUGH 20175 45TH NE
 DICK DIETSCH 16807 NE 89TH
 STEVE TILLET 1642 BROWNS PT BLVD
 BOB RULIFSON 14232 SE 23RD
 JIMMY SUTTON 3516 SW 343RD
 RICK SCHAAK RT 1 BOX 114
 ROYCE CHILDRRESS 23604 98TH AVE SO
 SHIRLEY DOUGLAS 5702 154TH AVE NE
 WARREN NIXON 26908 AVON COURT
 PAT CARSON 4114 NE 22ND PL
 JIM CHRISTIANSEN 22105 7TH PL W
 DICK RADFORD 3003 169TH AVE NE
 BOB DONNELL 138 NORTH 84th ST.
 HAL GOODELL 35916 11TH SW
 LES JACOBS 14300 103 NE
 BOB Mc GAHUEY 14800 74th PL NE
 DICK GEHRING 21620 116th SE
 JOHN BECKER 21112 NE 60TH PL
 JIM CARPENTER 2125 ELM SE
 CARL BUTLER 16831 40TH AVE S
 KEN JACKSON 18944 33RD AVE SO
 HAP KING 451 145th PL NE.
 FLOYD BOSWELL 12137 SE 276TH CT.
 MARY LEWIS 10352 SANDPOINT WAY NE
 TIM SCHNEEBECK 4522 BROOKLYN AVE NE #103
 JOE FANNIN 108 130TH PL NE
 CHUCK GRAZIER 13210 231ST SE
 CHRIS HOLT RT 1 BOX 105-A
 TOM PHELAN 16460 51st AVE SO.
 GENE JACOBSON 7334 126TH AVE NE
 DICK LUNDSTROM 34022 43RD S
 BOB LOSEY 901 N 8TH ST #A-4
 PAT SHINNERS 534 N 78TH
 PATI SUTTON 3516 SW 343RD
 ARNIE SKODS 30617 2ND AVE SW
 RALEIGH ELKINS 13506 CEDAR CT EAST
 PETE HEDBERG 20904 NE 77TH ST
 KEN RAU 5430 LAKE ALICE RD. SE
 VERN NELSON 16812 NE 107 TH
 JACK BURRELL 2432 138TH SE
 C-COMM 6115 15TH NW
 A. B. C. COMMUNICATIONS 17550 15TH NE
 AMATEUR RADIO SUPPLY 6213 13th S
 JERRY SELIGMAN 12306 80th AVE E
 JOE WINTER 819 NO MULLEN ST.

REDMOND WA 98053 885-1941 6-74 1-85
 SEATTLE WA 98126 10-70 LIFE
 SEATTLE WA 98188 431-9479 3-83 3-85
 REDMOND WA 98053 883-3012 6-78 6-85
 YAKIMA WA 98909
 SEATTLE WA 98115 527-1387 11-80 11-84
 REDMOND WA 98053 883-3012 1-79 1-83
 PORTLAND OR. 97266 12-73 12-83
 SEATTLE WA 98116 935-2688 8-75 8-85
 AUBURN WA 98002 833-7778 6-82 6-85
 KENT WA 98032 878-1511 3-79 3-85
 TACOMA WA 98489 584-2988 3-74 6-85
 KENT WA 98031 824-4176 12-79 12-84
 MANSON WA 98031 509-687-9429 12-75 1-85
 BELLEVUE WA 98006 747-7833 10-70 1-85
 SEATTLE WA 98108 878-2833 1-71 1-85
 KIRKLAND WA 98034 821-4188 9-72 1-85
 BOTTHELL WA 98011 488-9120 1-71 7-85
 SEATTLE WA 98108 244-0641 2-78 2-85
 SEATTLE WA 98148 878-8119 9-72 1-85
 CAMANO ISLAND WA 98292 3-74 1-85
 BOTTHELL WA 98011 486-6610 2-72 1-85
 SEATTLE WA 98117 783-2489 1-71 1-85
 BELLEVUE WA 98005 644-4517 4-83 4-84
 RENTON WA 98056 226-4222 4-75 4-85
 REDMOND WA 98052 881-6755 1-83 2-85
 SEATTLE WA 98125 523-9117 2-74 2-85
 BOTTHELL WA 98011 488-7463 5-84 5-85
 SEATTLE WA 98155 362-9189 8-74 1-85
 REDMOND WA 98052 885-6559 10-76 1-85
 TACOMA WA 98422 927-5456 10-70 1-85
 BELLEVUE WA 98007 746-5192 12-77 12-84
 FEDERAL WAY WA 98023 927-7088 7-75 7-85
 VAUGHN WA 98394 884-2457 1-76 2-85
 KENT WA 98031 854-1027 6-83 6-84
 REDMOND WA 98052 881-6755 1-83 2-85
 KENT WA. 98032 2-84 2-85
 RENTON WA 98056 3-72 6-85
 BOTTHELL WA 98021 481-4892 10-70 7-85
 BELLEVUE WA 98008 UNLISTED 7-72 1-85
 SEATTLE WA 98103 789-3820 2-80 2-85
 FEDERAL WAY WA 98023 927-7603 2-74 1-85
 BOTTHELL WA 98011 821-8839 11-74 1-85
 BOTTHELL WA 98011 488-7841 5-80 5-85
 KENT WA 98031 852-4289 6-80 10-84
 REDMOND WA 98053 885-1941 12-71 1-85
 AUBURN WA 98002 833-9017 3-71 4-84
 SEATTLE WA 98188 242-6297 10-70 1-85
 SEATTLE WA 98188 246-7354 10-70 9-84
 BELLEVUE WA. 98007 747-0441 7-84 7-85
 KENT WA. 98031 631-9394 6-84 6-85
 SEATTLE WA 98125 523-9117 2-74 2-85
 SEATTLE WA 98105 547-0404 4-77 4-85
 BELLEVUE WA 98005 454-4991 2-79 2-85
 ISSAQUAH WA 98027 392-3764 7-72 1-85
 MANSON WA 98031 509-687-9429 1-74 1-85
 SEATTLE WA 98188 4-84 4-85
 KIRKLAND WA 98033 822-3931 7-74 1-85
 AUBURN WA 98001 838-9559 1-73 1-85
 TACOMA WA 98403 383-2769 11-75 1-85
 SEATTLE WA 98103 782-6978 4-79 4-85
 FEDERAL WAY WA 98023 927-7088 12-80 12-84
 FEDERAL WAY WA 98003 839-2501 3-74 1-86
 SUMNER WA 98390 897-8090 12-79 12-84
 REDMOND WA 98053 883-8535 10-70 1-85
 FALL CITY WA 98024 222-7711 12-72 1-85
 REDMOND WA 98052 882-2907 3-78 3-85
 BELLEVUE WA 98005 746-4176 9-80 9-84
 SEATTLE WA 98107 784-7337
 SEATTLE WA 98155 364-8300
 SEATTLE WA 98108 767-3222
 PUYALLUP WA 98371 845-7562 3-79 3-85
 TACOMA WA 98406

W7BUN
 WA7RWK

EXAMINATIONS FOR FCC AMATEUR LICENSES

(ALL CLASSES - NOVICE THROUGH EXTRA)

SATURDAY DECEMBER 29, 1984

AT: RADIO CLUB OF TACOMA CLUBHOUSE
1249 SOUTH WASHINGTON STREET, TACOMA

TALK-IN FREQUENCY: 147.88/28

REGISTER: NO LATER THAN NOVEMBER 29, 1984

SEND: 1. COMPLETED FCC FORM 610.
2. PHOTOCOPY OF CURRENT AMATEUR LICENSE, IF ANY.
3. CHECK OR MONEY ORDER FOR \$4.00 MADE OUT TO ARRL/VEC.

TO: JERRY SELIGMAN, W7BUN
12306 80th AVE. EAST
PUYALLUP, WA 98373

TO OBTAIN AN FCC FORM 610, CONTACT NEAREST FCC OFFICE, OR SEND A
LEGAL SIZE SELF ADDRESSED STAMPED ENVELOPE TO ABOVE ADDRESS.

CONFIRMATION SHOWING EXACT TIME OF EXAM WILL BE SENT TO EACH APPLICANT.