

K7LED RELAY

SEATTLE, WASHINGTON

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APRIL 1980

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Vice President	Hal Goodell	N7NW	927-7603
Secretary	Deborah De Jong	N7AVO	883-3012
Treasurer	Mike Cross	WB7AYU	935-2688
Activity Mgr.	George Boross	N7BT	852-9412
President Emeritus	Steve Tillett	K7KOT	927-5456
Trustee No. 1	Jim Strang	W7GPW	392-5554
Trustee No. 2	Gene Jacobson	WA7TAI	822-3931
Trustee No. 3	Les Jacobs	WN7NXC	363-4169
Trustee No. 4	Don Rembaugh	WA7KBK	362-9189
Trustee No. 5	Dick Radford	WA7NIW	883-0662
Radio Officer	Ken Rau	K7YR	392-7954

K7LED RELAY EDITOR

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The Mike & Key net meets each Sunday morning at 10 a.m. on 3,930 Khz with Novice check-in on 3,730 Khz and VHF on 146.58 Mhz and K7LED/R 52.37-5337.

MEMBERSHIP: 90

ACTIVITIES

April 19

Board Meeting 7:30 a.m. OMNI Restaurant
Business Meeting 10:00 a.m.

MIKE AND KEY BANQUET WELL ATTENDED

The 1980 Awards Banquet honored several club members for outstanding service to our club, the community and ham radio. Jim Strang, W7GPW, received the Pop Brown award. Chuck Stroehrer, WA7EBH, cited Jim's service to the club as a board member, and committee work, Field Day participation, help to other hams with technical advice and assistance, work with the Explorer Scout Search and Rescue group and participation in other public service activities. Jim also received an appreciation award for work on the club trailer. This was a plaque with a model trailer complete with red LED's in the correct location to pass the State Patrol exam.

Other appreciation awards were presented to Debbie Holt for work on the constitution and by-laws, club secretary, and the club Christmas party; to Al Jensen, WA7TIB, for auction work, Field Day, and as Treasurer; and to Tim Schneebeck, K7QMI, for organizing the club's Santa Talks program. Daisy, Tim's able assistant, received a collar of dog bones.

The donut award went to Al Jensen. Have those seeds sprouted yet, Al?

The Field Day award went to Mike Cross, WB7AYU.

Out-going club president, Steve Tillet, K7KOT, turned the gavel over to the new president, Al Jensen, who introduced the new officers who were elected at the March meeting. These officers are:

Vice President	Hal Goodell, N7NW	Activity Manager	George Boross, N7BT
Secretary	Deborah de Jong, N7AVO	Trustee No. 1	Jim Strang, W7GPW
Treasurer	Mike Cross, WB7AYU	Trustee No. 2	Gene Jacobson, WA7TAI

The following trustees were not up for election and continue for 1980:

Les Jacobs, WN7NXC

Dick Radford, WA7NIW

Don Rembaugh, WA7KBK

Ken Rau, K7YR, is the club radio officer.

The guest speaker, Bill Bennet, W7PHO, provided some very interesting stories on how amateur radio affects happenings around the world. He told of a QSO in which a ham in India requested parts to build a hearing aid for a boy in his country. Bill said that he thought about this request and contacted dealers of hearing aids and obtained a complete hearing aid for this boy. This led to a program where 600 hearing aids were sent to India. An additional 75 were sent to Napal and this country in turn asked for Peace Corps volunteers to be sent to teach the deaf people of Napal. Bill had several other stories which he related in which Ham Radio was called on to assist these countries. The stories pointed out the fact that what you say on the air is being heard around the world and can have a pronounced effect on people and their governments.

The master of ceremonies was Gib, W7JIE, who was his normal witty personality. The following received five-year membership certificates:

Tom Needam, WA7TBP

Diana Becker,

Sue Needam, WB7DBZ

Don Rembaugh, WA7KBK

Gene Jacobson, WA7TAI

Al Jensen, WA7TIB

Les Jacobs, WN7NXC

Gib Bibson, W7JIE

There were numerous door prizes presented with the top Ham prize of a six-meter FM radio going to Karl, K7AMX. There was only one slight problem — the radio did not arrive in time to be presented at the banquet, but will soon be, Karl. The top women's prize went to Zoe Gibson. She should be able to find some new places to see around Seattle with the book "The Get Away Guide." Of course the bookmark (100 green stamps) will make the touring easier. Maybe if Gib plays his cards right he will get to tag along.

The prize committee (Deborah, N7AVO,; Jan, WA7HWX; Joe, KB7FL; and George, WB7FL; and George, WB7DGT) did an excellent job selecting prizes this year. The Comtronix radio was purchased with funds from the monthly raffle which was managed by Hal, N7NW.

The banquet was organized and the facilities arranged by Ray Leslie, WA7EKH. The food and facilities were excellent. Thanks Ray to you and the Auburn Elks. The members who did not attend missed an excellent evening.

NOTE FROM THE WOMEN'S PRIZE COMMITTEE

Again this year the women of the Mike and Key showed their generosity and good taste. They outdid themselves with their donations to women's prizes. I thank you for making my job easier by being so responsive to my begging. My first thank you goes to Jan, WA7HWX, for volunteering me for the job— you'll get yours Jan. My grateful thanks to all of the rest of you: Joe Fannin, KB7FL, Eleanor Rulifson, Bev Nelson, Diana & Charles Hough, Jan, Linda Tillet, Mary Lewis, Barb Rambo, Linda Rau, Diana Becker, Darlene Grazier, Ellen Leslie, Wanda Jensen, Zoe Gibson, Corinne Christianson, and Lois Jackson. Who gets the job of heading up the women's prize committee next year? Maybe the 1st prize winner? How about it, Zoe?

Deborah

ARRL CONVENTION

The 1980 Convention planning seems to be going along. The program has tentatively set the following seminars: WARC results, DX speaker, Dxpedition presentation, contest forum, DX forum, DX net operation, the development of SSB technology, linear amplifier design, personal radio foundation, insurance for the radio amateur, medium and slow scan TV, paper, narrow band modulation demonstration and lecture, two meter sideband DX, Assisting CB operators to move into amateur radio, ARPSC, Microprocessor/computer applications for amateur radio, antenna forum, Navy/Air Force Mars forum, Amstat presentation, and amateur radio and the media connection.

There will also be FCC exams, displays and tours. A former M & K club member, Chip Margelli, K7JA/JR1ZCC, will be the featured speaker at the DX breakfast on Sunday morning.

The speaker for the Grand Banquet Saturday night will be Roy Neal, K6DUE, from NBC News. This will be followed by the ARRL Forum and at midnight the Ceremony of the Royal Order of the Wouff Hong. There will also be many activities for the ladies.

A registration form for the convention and other activities is included in the Relay.

SIX METER QRP

Little John, WA7AQG, has been getting good 6 meter SSB DX with $1\frac{1}{2}$ to 3 watts. He has worked 13 countries, 43 states, all JA call areas (too many JA's to count), and all VE's.

For example, he worked XE1AG, KX6PF, WA6ADA, HH2MC, LU3EX, LU3AAT, VO2AG, KG6DX, WA4TNV/K17 (Shemya Island), PJ2DW, VELASJ, all on one 6-element, all welded home brew beam. As Little John says, "It can be done."

FROM THE ACTIVITIES MANAGER

In order to plan activities for the coming year, I need input from all club members as to what kind of activities your new officers should provide. Please call or contact me or any board member with your ideas.

Do you have surplus items in your junk box? This is a good time to do your spring cleaning by bringing your excess items to the next meeting for use as donations to the club drawings. I will be glad to take things off of your hands at any time.

George Boross, N7BT

AMATEUR RADIO CLASSES

Harry and Mary Lewis are continuing to provide opportunities for training radio amateurs. Harry is teaching a class for the extra license which started April first at the North Seattle Community College. Mary has a class for General and Advanced at Bellevue Community College which started March 24.

FIELD DAY NEWS

Jim, W7GPW, says the trailer has now passed the state patrol check and will be licensed soon.

Due to unexpected conflict of dates, Harry and Mary Lewis will not be able to head up the 80 cw and 75 phone stations this year as previously planned. One of our new members, Steve Roley, AD7G, volunteered to head up the 80 cw station. Jim Carpenter, K7PHZ, will organize the 75 phone station and handle the ARRL traffic. They are going to need help so step right up members!

Al, WA7TIB, the Field Day chairman says that the FD planning seems to be progressing. However, we still need the means to get "Thumper" up to the island.

NEW MEMBERS

Welcome to the following new members who were elected at the March meeting.

Steve Roley, AD7G
Ralph Funkhouser, WB7VLW
Robert Vance, KA7DZJ

CONVENTION RADIO STATION

The M & K club will set up and operate the HF and VHF radio station for the ARRL Convention in July. The club effort is being organized by Hal, N7NW, and other club members. The station will be located in the convention headquarters at the SEATAC Red Lion Inn. Hal will be looking for volunteers to help man the station. Two operators will be required for each 2 to 4 hour shift.

I realize that St. Patty's Day is gone, but I couldn't resist sharing this corned beef recipe. You know me, always a day late and dollar short. Save it until next year.....

CORNED BEEF "N" SPROUTS

- 3-4 lb. corned beef
- 1 large onion, quartered
- 3 cut up celery stalks
- 1 garlic clove
- 3 whole allspice
- 4 peppercorns
- 1/4 t mustard seed
- 1 bay leaf
- 6 medium potatoes, halved
- 6 small white onions, whole
- 1-1/2 lbs. fresh Brussels Sprouts (or 2 pkgs. frozen)
- 3/4 lbs. carrots, cut into chunks

Place corned beef in large kettle and cover with cold water. Add quartered onion, celery, and seasonings. Bring to a boil; reduce heat and simmer 3 1/2 to 4 hours. Remove meat and place in warmed oven. Put potatoes, carrots, small whole onions into liquid and cook, covered, till almost tender. Add Brussels Sprouts and cook until tender (fresh 15 min.; frozen 6-10 min.). Do not overcook. Drain vegetables and place on platter with corned beef.

THOUGHT FOR THE DAY..... YOU KNOW IT'S GOING TO BE A BAD DAY WHEN.....
YOU WAKE UP FACE DOWN ON THE PAVEMENT.....YOU PUT YOUR BRA ON BACKWARDS AND
IT FITS BETTER..... *Jan*

THE PRUNE JUICE DIET.

by "SKIP" ZONES.

HERD A GUY TH' UDDER DAY WID HIS NEW "HOOCHIE FRAM 790 XRAY ZULU". HE WUZ TELLIN THIS UDDER GUY ABOUT HIS NEW RIG AN HOW IT WUZ THE BEST DURNED TRANSCEIVER ONNA MARKIT AND HE SHORE WUZ LUCKY HE GOT IT AN NOW ~~HE~~ HE NEVER MORE GONNA WORRY ABOUT OPERATIN ONNA BAND EDGES ON ACCOUNTA THIS THING GOTTA ABSOLURTELY ~~RECEIVED~~ ZERO-DRIFT VEE FOO AND A DIGITAL REEDOUT ANNA SUPER SOLID CALIBRATER ANNA ABOUT ALL HE GOTTA DO IS LOOKIT THE DIGITAL THINGIE AN HE "KNOWS WHERE HE IS AT". GOT GOOD NEWS FER YEW BUB--YER FULLA TURKEY DRESSIN AND ALSO YER IN VIOLATION OF FCC 97.75 IF YEW GOTTA VEEFO THAT IS THE SAME FER TRANSMIT AS TIZ FER RECEIVE. ANN FURTHER YEW GOTTA BE ABLE TO SEPARATE THEM TWO SO YEW KNOW THE DIGITAL DISPLAY IS COMMING FRUM THE RECEIVER INSTEADA THE TRANSMITTER VEEFO. IFFEN YEW GOTTA SEPARATE RECEIVER AND YEW USE HIT TO FIGGER OUT YER TRANSMIT FREQUENCY THEN YEW IZ OK WID 97.75 BUT IF YEW USE THE VEEFO TO FIGGER OUT YER TRANSMIT FREQUENCY ANNA SAME VEEFO IS DRIVIN BOTH TRANSMITTER AN RECEIVER THEN YEW IS STILL FULLA TURKEY DRESSIN. TAIN'T LEGAL. EVIN A LIL OLE LOOKAY CEE CRISTIL CALIBRATER IS BETTERN THE SINGLE VEE FOO SISTEM OF FREEK REEDOUT AND CONTROL. NUFF SED??

HR REPORT HIGHLIGHTS

INCREASING CONGESTION ON 10'S high end is causing confusion and some conflict among users. A long-standing "gentlemen's agreement" has placed FM users between 29.5 and 29.7, OSCAR's downlinks from 29.4 to 29.5, and AM and SSB below 29.4 (though the Russian Amateur Spacecraft have also operated just below 29.4). Recently, however, an increasing number of SSB signals have been tearing up FM contacts at the high end as congestion at the lower part of the band has led some operators to seek relief in the "empty" top end.

OSCAR Users Are In Trouble as well, with AM, FM, and SSB from both fixed and mobile stations all competing with the CW and SSB satellite downlink signals and 29.4 and 29.5 telemetry during OSCAR passes. Fortunately, much of the activity above 29 MHz is low power, reducing the interference level, but the basic incompatibility of the various modes makes it an irritating problem even when there's little disruption.

FM Users Are Creating their own interference problems, with many of the fixed frequency older rigs and remote bases set up on the 29.6-MHz national FM calling frequency. After working hours and on weekends it's next to unusable, and late afternoons the JA QRM often sounds like a DX contest pileup! Increased use of frequency-agile radios like the FT-901DM and Comtronix FM-80 do enable users to move off 29.6 after establishing contact, but all too often they move up or down onto repeater outputs or inputs or farther down into the OSCAR passband.

The Top End Of 10 meters needs more attention to, and some revision of, the present "gentlemen's agreement" bandplan, before the conflicts cause more problems than they already have.

PROPAGATION APRIL 8-28. The "possible" upset forecast for April 2nd (HRR 296) materialized sooner than expected as Old Sol pulled another fast one and created a flare that kicked the earth's magnetic field to an A value of 24 on March 31st. The usual high-latitude signal interruptions were noticed for a day or so, but enhancement of communications between the northern and southern hemispheres were adequate compensation.

Superb HF Band DX Conditions continued to prevail at press time, particularly on 40 meters, where mercifully low atmospheric noise have helped make 40 the "hot spot" for DX action. These favorable conditions should continue throughout the forecast period, with only the slight possibility of a disturbance between the 5th and 11th; and perhaps a more severe upset on the 15th, 17th, and 18th, based on 27-day recurrence. The remaining days ought to rate somewhere between "great" to "fantastic" in your log.

Slight Declining Solar Flux shouldn't be perceptible, while a quiet magnetic field will be a boon. Even during disturbed periods, 80 and 40 may still be usable for DX. Take advantage of these conditions NOW, because they are likely the best you will see for another decade! W1XU.

VACATION IN THE PACIFIC NORTHWEST AND ATTEND

SEANARC '80

1980 ARRL NATIONAL CONVENTION

July 25 - 27

Seattle, Washington

ENJOY PRIZE DRAWINGS, FORUMS, DISPLAYS AND
NEW EQUIPMENT EXHIBITS. VISIT WITH FRIENDS,
TAKE A TOUR OR RELAX IN SEATTLE AT THE

SEATAC AIRPORT RED LION INN
18740 PACIFIC HIGHWAY SOUTH
SEATTLE, WA. 98188

Please register the undersigned for:

NO. _____

_____ BASIC REGISTRATION \$7.00 (\$9.00 after July 1, 1980).....

_____ ADDITIONAL FAMILY REGISTRATION \$6.00 (\$7.00 after July 1).....

_____ STUDENT REGISTRATION (\$7.00).....

_____ TILlicum VILLAGE SALMON BARBECUE \$20.00.....

_____ SATURDAY NIGHT RED LION BANQUET \$18.00 (\$20.00 after July 1).....
Speaker will be Roy Neal, K6DUE of NBC News.

_____ DX BREAKFAST \$10.00.....

_____ HISTORIC CHINA TOWN TOUR \$13.00 (\$15.00 after July 1).....

_____ DISCOVER SCENIC SEATTLE TOUR \$13.00 (\$15.00 after July 1).....

_____ SEATTLE DOWNTOWN TOUR \$13.00 (\$15.00 after July 1).....

_____ PACIFIC NORTHWEST ARTS AND CRAFTS FAIR \$13.00 (\$15.00 after July 1).....

_____ TAP ROOT THEATER AT RED LION \$3.00 (\$4.00 after July 1).....

_____ WOUFF HONG \$1.00.....

_____ BOEING ANTENNA LAB TOUR...FREE.....

_____ FCC EXAMINATIONS...FREE.....

TOTAL.....

You may make checks payable to SEANARC '80

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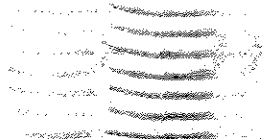
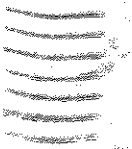
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HAPPY BIRTHDAY!

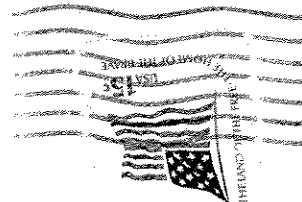
3 Clay Freinwald K7CR 19 Jim Strang W7GPW
7 Rick Beatty WA7DTI 23 Bob Donnell WA7TRI
16 Steve Tillet K7KOT

CPR TRAINING SET FOR MAY

CPR training for club members and spouses will be held at the United Good Way Building (meeting hall) on May 3 starting at 9:30. The classes will be conducted by Tom and Sue Needam. They said the class will last about three hours. They will need to know how many persons are planning on attending the class in order to have sufficient training materials available. Here's your chance to obtain this very important life saving instruction.



MIKE AND KEY AMATEUR RADIO CLUB
16812 N.E. 107th
Redmond, WA 98052



ADDRESS CORRECTION REQUESTED

FIRST CLASS

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VERN NELSON
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REDMOND WA 98052