

K7LED

RELAY

AN
ARRL
AFFILIATED
CLUB

NEAR SEATTLE, WASHINGTON

VOLUME 11

MAY 1983

NUMBER 5

CLUB OFFICERS

| | | | |
|----------------|-----------------|--------|----------|
| President | Deborah de Jong | N7AV0 | 883-3012 |
| Vice President | Chuck Grazier | WA7RJT | 392-3764 |
| Secretary | Diana Becker | | 885-1941 |
| Treasurer | Dick Lundstron | WA7UEW | 838-9559 |
| Activity Mgr | Gene Jacobson | WA7TAI | 822-3931 |
| Radio Officer | Ken Rau | K7YR | 392-7954 |
| Trustee No. 1 | Al Jensen | WA7TIB | 542-6052 |
| Trustee No. 2 | Mike Cross | WB7AYU | 935-2688 |
| Trustee No. 3 | Hal Goodell | N7NW | 927-7603 |
| Trustee No. 4 | Jack Burrell | KB7ZS | 746-4176 |
| Trustee No. 5 | Ray Leslie | WA7EKH | 821-4188 |

The K7LED RELAY is the official publication of the Mike and Key Amateur Radio Club, 23206 SE 53rd, Issaquah, WA. 98027. Articles may be quoted in full or in part without prior permission, providing the K7LED RELAY is credited.

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.

Club meets the third Saturday of each month at 10 a.m. at "The Good Neighbor Center" located at 305 S 43rd St. Renton, WA. which is across the street from Valley General Hospital. All Amateur Radio Operators are invited.

QSL - - -QSL - - - QSL cards that is!!!!
Bring your QSL card to the club meeting -
we'll start a little contest to see who
has the best, or what ever, card. Over
a period of time all the cards submitted
will be shown in the RELAY. After all have
been shown, a winner will be selected by
an appointed committee. Who knows, you
might win an old used up 6146 or a cold
807---might even be a free lunch. The
Vice President will do the collection.

ALL MEMBERS --- --- ---
Please observe the address label on
this month RELAY. Some of them have
been annotated with a yellow stripe.
If you have this stripe this means
that this is the last RELAY you receive
as you are past the three month
grace period and are no more a member
of the MIKE & KEY AMATEUR CLUB.

HAPPY BIRTHDAY!!!!

May

4-Steve Roley AD7G
7-Linda Holt WB7DVX
9-Gordy Cady WA7AVC
15-Lew Rambo WA7ELI

19-Annie Skoog WA7WKT
19-Don Rembaugh WA7KBK
19-Jim Sutton WA7LNQ
20-Tim Schneebeck

June

7-Jon Sorenson K7WNE

20-Karl de Jong N7AMX
28-Tom Ramus WB7OUT

MAY MEETING NOT AT UGN CENTER----COME TO BELLEVUE FOR A WINERY TOUR

The May business meeting will be short and sweet so that we may tour the AV Winery in Bellevue, the address is 1445 120th Ave NE, located next to Fibres International, on the west side of the Safeway Distribution Center. The meeting will begin at 10:00AM and last until 10:30 when we will begin the tour. We will also be entitled to a tasting session involving seven varieties of wine. The cost is \$3.50 per person, but GOOD NEWS if you are a member in good standing the club will pay for you. The club will also provide \$25 worth of cheese and crackers, you are encouraged to bring additional munchies or even your lunch and enjoy a leisurely Saturday.

STEAK BURN****HOT DOG BURN****HAMBURGER BURN*****ANYTHING ELSE YOU WANT TO BURN****

After the May meeting and Winery Tour you are cordially invited to drive to Redmond, the de Jong's house to be specific, and waste the rest of Saturday burning or BBQing if you prefer at the 2nd Annual THANK GOD IT'S OVER party. I will admit it is somewhat late, but it was a heck of a Flea Market. We will provide the BBQ, music, Kool-Aid, and as many chairs as we can scrape up. If the wine tour didn't do you in too much you may even play pool or try to match Karlie's Munchman score. All are welcome, just follow us home after the tour. Deb & Karl N7AVC & N7AMX

Flea Market Report

Well it is over for this year. We made a profit of appr. \$900. Somewhat down from last year, but we did not have a large consignment to profit from this year. The buffet dinner was well attended and I believe very entertaining. It was more fun for at least two people we know, huh, George, N7BT?? The Saturday attendance was appr. 1200 and Sunday appr. 500. Those numbers and the number of tables sold are almost identical to last year's. There were door prizes given away every half hour and Jim Carlson WB7TZF of Mossyrock won the VIC-20 on Sunday. Chris Imlay, N3AKD, expressed his pleasure and gratitude for attending our FM and hopes for a future invitation. We planned as well as we could and even tested the PA system beforehand, but with that many people it wasn't adequate, so our enterprising hams tapped into the Longacres circuitry and after pulling enough wires so we weren't heard all over the track we settled in for the weekend. By the way, have you any idea how many trains go by that place in the dead of night? Karl and I do, we tried to sleep in there, wonder why we looked like death warmed over during the weekend? When all was said and done it was alot of work and fun, but I think the best part was dinner at Andy's Diner when we left Longacres Sunday night. PSThanks to the workers.

May 2 1983

| | | | | | | | | |
|---------|---------|--------------|----------------------------|-------------|----------|----------|-------|-------|
| WB7AHD | JIM | AESCHLIMAN | 28981 229TH PL SE | KENT | WA 98831 | 886-1661 | 7-75 | 18-82 |
| KA7CY Y | TONY | ALIX | 24433 14TH AVE SO | KENT | WA 98831 | 824-4176 | 12-79 | 12-83 |
| KL7BB | BILL | BALZARINI | PO BOX 1118 | SITKA | AK 99835 | | 3-81 | 3-84 |
| | DIANNA | BECKER | 21112 NE 68TH PL | REDMOND | WA 98852 | 885-1941 | 6-74 | 1-84 |
| K7PFR | JOHN | BECKER | 21112 NE 68TH PL | REDMOND | WA 98852 | 885-1941 | 18-78 | 1-84 |
| N7BT | GEORGE | BOROSS | 4858 S 262ND ST | KENT | WA 98831 | 852-9412 | 3-79 | 3-84 |
| | ETHEL | BROWN | 2288 SW BARTON | SEATTLE | WA 98126 | | 18-78 | LIFE |
| WA7EJY | ARCHIE | BRUSH | 225516 36TH AVE SO | SEATTLE | WA 98188 | 878-2833 | 18-78 | 1-84 |
| N7CDD | DAN | BUCHER | 16426 35TH AVE SO | SEATTLE | WA 98188 | | 6-79 | 6-83 |
| KB7ZS | JACK | BURRELL | 2432 138TH SE | BELLEVUE | WA 98005 | 744-4176 | 9-88 | 9-84 |
| W7PRW | CARL | BUTLER | 16831 48TH AVE S | SEATTLE | WA 98188 | 242-6297 | 18-78 | 1-83 |
| WA7AVC | GORDON | CADY | 8216 38TH AVE NW | SEATTLE | WA 98115 | 527-1387 | | 11-84 |
| K7PHZ | JIM | CARPENTER | 2125 ELM SE | AUBURN | WA 98802 | 833-9817 | 3-71 | 3-83 |
| K7ND | JIM | CHRISTIANSEN | 22185 7TH PL W | BOTHELL | WA 98011 | 481-4892 | 18-78 | 7-83 |
| WA7GYZ | RALPH | CORNELL | 21211 4TH AVE SO | SEATTLE | WA 98148 | 878-8119 | 9-72 | 1-83 |
| WB7AYU | MIKE | CROSS | 5883 SW HANFORD | SEATTLE | WA 98166 | 935-2688 | 8-75 | 7-83 |
| N7AMX | KARL | DE JONG | 28983 NE77TH ST | REDMOND | WA 98852 | 883-3812 | 6-78 | 6-83 |
| N7AVD | DEBRA | DE JONG | 28983 NE77TH ST | REDMOND | WA 98852 | 883-3812 | 1-79 | 1-84 |
| W7KCX | DICK | DIETSON | 15807 NE 89TH | REDMOND | WA 98852 | 885-6559 | 4-82 | 1-83 |
| WA7YRI | BOB | DONNELL | 4522 BROOKLYN AVE SE 80116 | SEATTLE | WA 98188 | 634-2828 | 2-88 | 2-88 |
| KC7JI | LARRY | DOUGLAS | 5782 154TH AVE NE | REDMOND | WA 98852 | 881-8775 | 2-83 | 2-84 |
| KA7MON | SHIRLEY | DOUGLAS | 5782 154TH AVE NE | REDMOND | WA 98852 | 881-8775 | 2-83 | 2-84 |
| KB7ST | DENNIS | ECKERT | 1283 NW 191ST | SEATTLE | WA 98177 | 542-1365 | 9-88 | 9-83 |
| WB7MNF | RALEIGH | ELKINS | 13586 CEDAR CT EAST | SUNNER | WA 98398 | 897-8898 | 12-79 | 12-83 |
| N7EZX | DAN | EMPENGER | 4232 156TH ST SW 85-D | LYNNWOOD | WA 98836 | 745-8937 | 3-83 | 3-84 |
| KB7R | JOE | FANNIN | 188 138TH PL NE | BELLEVUE | WA 98005 | 454-6213 | 2-79 | 2-84 |
| KB7OS | CHUCK | FOLTZ | 2828 179TH NE | REDMOND | WA 98852 | 881-6826 | 4-83 | 4-84 |
| K7CR | CLAY | FREINHOLD | 8515 IDLEWOOD DR SW | TACOMA | WA 98489 | 584-2988 | 3-74 | 6-83 |
| WB7VLW | RALPH | FUNKHOUSER | 15521 127TH AVE E | PUYALLYP | WA 98371 | | 3-88 | 3-82 |
| WB7VLT | MARILYN | FUNKHOUSER | 15521 127TH AVE E | PUYALLYP | WA 98371 | | 2-82 | 3-82 |
| W7JIE | M.L. | GIBSON | 1215 N 28TH PL | RENTON | WA 98855 | 226-4222 | 4-75 | 4-83 |
| | DAVID | GIBSON | 11451 SE 86TH ST | RENTON | WA 98856 | | 1-83 | 1-84 |
| N7NW | HAL | GOODELL | 35916 11TH SW | FEDERAL WAY | WA 98803 | 927-7683 | 2-74 | 1-84 |
| WA7RJT | CHUCK | GRAZIER | 13218 231ST SE | ISSAQUAH | WA 98827 | 392-3764 | 7-72 | 1-84 |
| K7WTG | PETE | HEDBERG | 28984 NE 77TH ST | REDMOND | WA 98852 | 883-8535 | 18-78 | 1-84 |
| WA7HMX | JAN | HEDBERG | 1931 3RD AVE W | SEATTLE | WA 98119 | 282-8528 | 2-72 | 1-83 |

| | | | | | | | | |
|--------|---------|------------|---------------------------|-------------|----------|----------|-------|-------|
| WB7DVX | LINDA | HOLT | PO BOX 1#5A | MANSON | WA 98831 | | 12-75 | 1-84 |
| WA7RJW | CHRIS | HOLT | PO BOX 1#5A | MANSON | WA 98831 | | 12-75 | 1-84 |
| K7PZX | KEN | JACKSON | 18944 33RD AVE SO | SEATTLE | WA 98188 | 244-7354 | 10-70 | 9-83 |
| WA7NXC | LES | JACOBS | | KIRKLAND | WA 98033 | | 11-74 | 1-84 |
| WA7TAI | GENE | JACOBSON | 7334 126TH AVE NE | KIRKLAND | WA 98033 | 822-3931 | 7-74 | 1-84 |
| WA7TIB | AL | JENSEN | 19111 1ST AVE NW | SEATTLE | WA 98177 | 542-6502 | 3-75 | 1-83 |
| KA7BQV | BILL | KINGSINGER | 19811 SE 379TH PL | AUBURN | WA 98002 | 833-7770 | 6-82 | 6-83 |
| KH6ITL | JOE | KOENIG | 13764 NE 12TH ST | BELLEVUE | WA 98005 | 644-4517 | 4-83 | 4-84 |
| WA7EKH | RAY | LESLIE | 13517 117TH AVE NE | KIRKLAND | WA 98033 | 821-4188 | 10-70 | 1-84 |
| W7G0P | MARY | LEWIS | 1#352 SANDPOINT WAY NE | SEATTLE | WA 98125 | 523-9117 | 2-74 | 2-83 |
| W7JWJ | HARRY | LEWIS | 1#352 SANDPOINT WAY NE | SEATTLE | WA 98125 | 523-9117 | 2-74 | 2-83 |
| WA7VEB | BOB | LOSEY | 901 N 8TH ST WA-4 | TACOMA | WA 98403 | 383-2769 | 11-75 | 1-84 |
| WA7UEW | DICK | LUNDSTROM | 34#22 43RD S | AUBURN | WA 98002 | 830-9339 | 1-73 | 1-84 |
| WA7TBP | TOM | NEEDHAM | PO BOX 9#5 | ISSAQUAH | WA 98027 | 392-4150 | 11-74 | |
| WB7DBZ | SUE | NEEDHAM | 23921 SE 28TH ST | ISSAQUAH | WA 98027 | 392-7954 | 11-74 | 1-82 |
| W7ZLM | VERN | NELSON | 16812 NE 107DH | REDMOND | WA 98052 | 882-2907 | 3-78 | 3-83 |
| WB7EMS | HAL | PARRIS | 34#5 SO 176TH #-128 | SEATTLE | WA 98188 | 244-0641 | 2-82 | 2-83 |
| WA7NIM | DICK | RADFORD | 3#03 169TH AVE NE | BELLEVUE | WA 98008 | 883-0662 | 7-72 | 1-83 |
| WA7ELI | LEN | RAMBO | 11505 NE 150TH PL | BOTHELL | WA 98011 | 480-9120 | 1-71 | 7-82 |
| WB7JUT | TOM | RAMBO | 8722 17TH AVE NW | SEATTLE | WA 98117 | 794-9243 | 10-77 | 10-82 |
| K7YR | KEN | RAU | 23206 SE 53RD | ISSAQUAH | WA 98027 | 392-7954 | 12-72 | 1-84 |
| WA7HQB | JOHN | REHNSROM | 9621 9TH NW | SEATTLE | WA 98117 | 783-2489 | 1-71 | 1-85 |
| WA7K0K | DON | REMBAUGH | 20175 45TH NE | SEATTLE | WA 98155 | 362-9189 | 8-74 | 1-83 |
| K7GSE | FRANK | REMINGTON | 212 225TH PL SE | BOTHELL | WA 98011 | 486-6610 | 10-80 | 1-84 |
| KA7HNS | BURR | RIDEOUT | 18616 92ND NE | BOTHELL | WA 98011 | 486-6610 | 10-80 | 1-83 |
| KA7HNS | EDNA | RIDEOUT | 18616 92ND NE | BOTHELL | WA 98011 | 486-6610 | 10-80 | 1-83 |
| AD7G | STEVE | ROLEY | | | | | 3-80 | 3-83 |
| KB7LM | BOB | RULIFSON | 14232 SE 23RD | BELLEVUE | WA 98005 | 746-5192 | 12-77 | 12-83 |
| K7MF | RICK | SCHANK | RT 1 BOX 114 | VAUGHN | WA 98394 | 804-2457 | 4-77 | 2-83 |
| K7QMI | TIM | SCHNEEBECK | 4522 BROOKLYN AVE NE #103 | SEATTLE | WA 98105 | 547-0404 | 4-77 | 4-83 |
| W7BUN | JERRY | SELIGMAN | 12306 80TH AVE E | PUYALLUP | WA 98371 | 845-7562 | 3-79 | 4-83 |
| WA7MKT | ARNIE | SKOOG | 30617 2ND AVE SW | FEDERAL WAY | WA 98003 | 839-2501 | 3-74 | 1-84 |
| K7WNE | JON | SORENSEN | 2126 NE 137TH | SEATTLE | WA 98125 | 362-2610 | 11-82 | 11-83 |
| W70PW | JIM | STRANS | 23252 SE 54TH PL | ISSAQUAH | WA 98027 | 392-5334 | 3-74 | 1-84 |
| WA7EBH | CHARLES | STROGHER | 13614 SE 43RD ST | BELLEVUE | WA 98006 | 747-7833 | 10-70 | 1-84 |
| WB7VJA | PATTI | SUTTON | 3516 SW 343RD | FEDERAL WAY | WA 98003 | 927-7000 | 7-75 | 12-84 |
| WA7LND | JIMMY | SUTTON | 3516 SW 343RD | FEDERAL WAY | WA 98003 | 927-7000 | 7-75 | 7-83 |
| K7KOT | STEVE | TILLET | 1642 BROWNS PT BLVD | TACOMA | WA 98422 | 927-5456 | 10-70 | 1-84 |

HUMAN RELATIONS!!! Housewife Tells All --

In 1966 a man came into my life, I was working as a cosmetologist, he for a shipyard. I had no idea what influence he would have on my life.

Shortly after we decided to tie the knot, these little radios showed up with their antennas strung out a window. Then came the other equipment he "had" to have to complete the set. On to bigger and better equipment. I didn't know what a ham radio was but it kept him happy. Gradually, I became acquainted, but mostly through the pocket-book.

I'll never forget the time in 1969, I was very pregnant at the time. We had a big snowstorm that year. My husband decided he had to put up this antenna. Here I am 8 months PG and trudging through 3 feet of snow to put up a dumb antenna. After that came years of trading, buying, guys coming in and out of the house, aren't they ever satisfied? Hours of not seeing my husband after work or weekends--bringing his dinner upstairs, so he could keep talking. If that wasn't bad enough, he had to have the radio on in the morning to wake up to. I began to resent Ken Rau on his way to work and all the other guys. I thought "don't they ever sleep?" Are they always talking on the gear?. Then came the ups and downs--he would be away from it for a while and I would breath a sigh of relief.

We always had our ham gear in the car on trips - short or long. Long ones, at times became very beneficial when you need directions to a good restaurant or a good hotel to go to. It seemed like we always had these guys with us and never alone.

In 1977 we sold our house and moved into a new home, of course, chosen for its high elevation. It was a long drive home from work late at night. I seriously began to think how nice it would be to have my license in case of an emergency or just to keep in touch with my husband on my way home. Several of us wives of hams would talk about it. One man decided he would tackle it and teach us. We set up class times and did great!! Code was picked up faster than theory, so I had to study hard for my novice. My knees shook when the instructor told me my test was here. So--here goes. An elated moment for my husband and I when I got my call letters in

the mail signifying that I had passed. I wasn't to happy with my call letters though. Oh well, I could change them when I get my general.

Sickness and other things interfered with our classes and we all lost interest. But the thought kept nagging me---"you've gone this far--why not continue". I attended a class conducted by another instructor. He was tough, but we learned. A lot of hours of study and neglected household duties. It killed me to leave them, but I've gone this far and, I can't quit. Time to go to FCC, didn't make it. Study some more--continue with classes. Ready again! I had to make it this time!, I'll never forget---the FCC gave us the wrong test. It was the combination novice-general. They wouldn't accept it. Had to do it all over.

We all went down to the cafeteria to unwind. Meanwhile, my husband thought I had flunked again because he hadn't heard from me yet. He was so happy when I told him I passed. He told everybody about it.

Now all I have to do is pass my code for General--simple!!, I'll give me a little time to unwind and go and take it. It's been 2 years of putting it off. I always say "next month I'll really work on it." The prodding of Gib time and again got to me, so once again I'm working on my code. It's not super hard for me, it's making up my mind to do it.

So the saying goes -- "If you can't lick 'em join 'em". It's a lot easier that way.

Bye the way--I'll probably keep my call letters because there are thousands of N7 calls, but not very many WB7's.

[=+=+=+=+=+=+=+=]

The latest roster indicates that there are only 9 charter members left in the Club.

Please note the last column of the roster, this is your membership expiration date. If this date is wrong bring it to the attention of the Club Secretary.

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ITEMS OF INTEREST - - - - -

From Wireless World:

When the STS-9 Space Shuttle launch takes place next September one of those on board is expected to be Dr. OWEN GARRIOTT, W5LFL, who has been seeking permission to take with him a 144 MHz handheld transceiver. Plans are going ahead to organize Amateur Radio contacts on an orderly basis.

A California cable company has been fined \$2,000.00 for "signal leakage in excess of that permitted by the rules" and \$4,000.00 for "failing to correct harmful interference to amateur radio operators". This follows the company's failure to reduce interference following complaints.

Sinclair Research, manufacturer of the ZX-80 and ZX-81 claims to have sold one million home computers in Britain and 600,000 through license by Timex in the USA. This has taken them three years and represents one computer in every 20 homes in Britain.

CMOS Gaining in Popularity (BYTE):

MOS (Metal-Oxide Semiconductors) ICs have long been the workhorses of the microcomputer industry: however, many manufacturers are now shifting to CMOS (complimentary metal-oxide semiconductors) ICs. CMOS uses far less electrical power than MOS, is more immune to electrical interference, and can operate over a wider range of temperatures.

CMOS was invented by RCA way back in 1961. The largest supplier of CMOS ICs today is Motorola, which (because of CMOS) has surpassed Texas Instruments as the largest IC manufacturer in the world.

Japan Electronics Show:

You may find future business offices with mirrors on the ceiling. Hitachi and Yagi showed an infra-red network that allows two or more computers to send information to each other without the usual cable hook up. Infra-red transceivers aimed at mirrors on the ceiling beam info from one computer to another. Is there an application for amateur radio here ?

George N7BT.....

BOARD MEETING - - - April 6, 1983, 1900hrs.

Deborah de Jong presiding

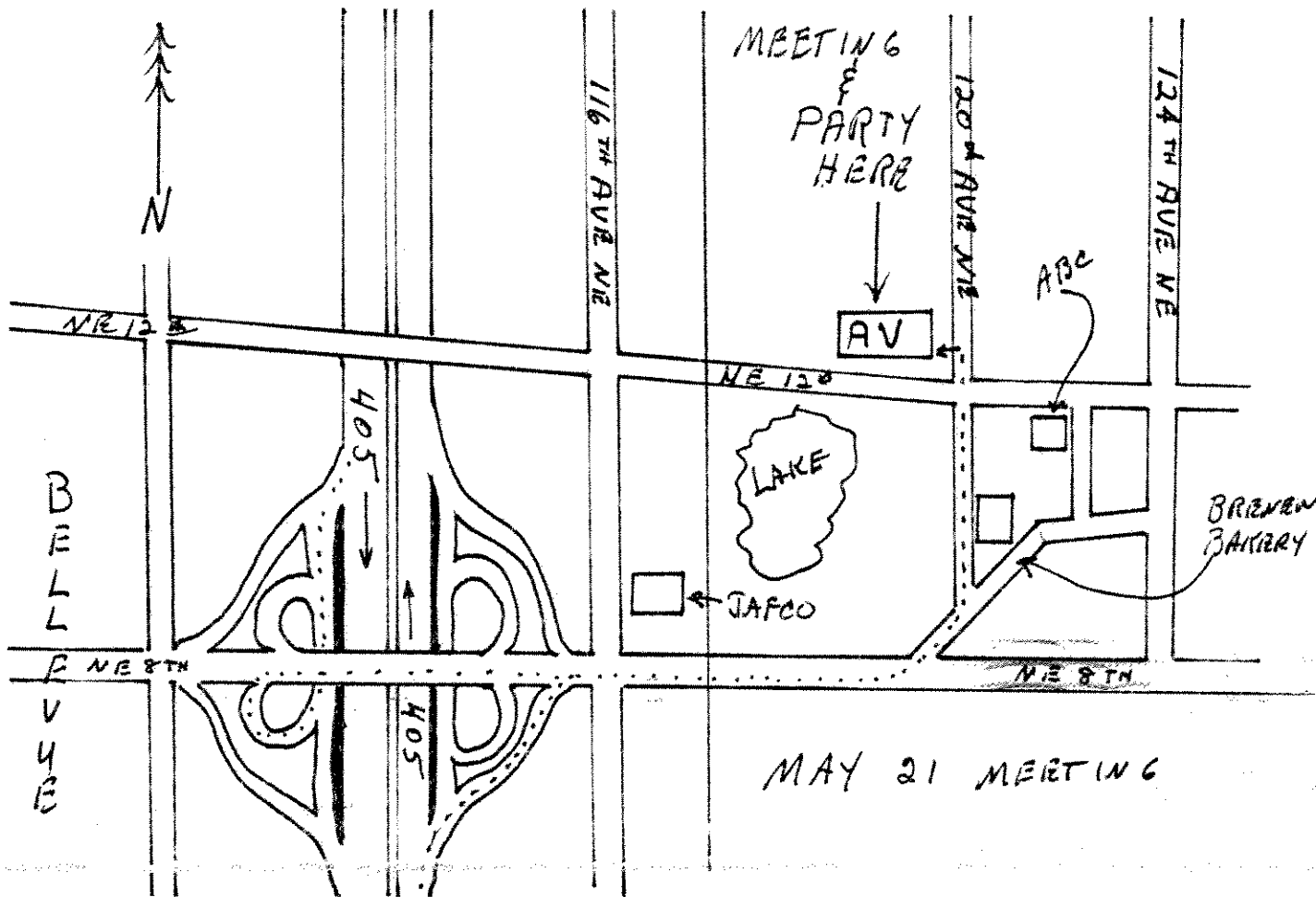
In attendance: Karl and Deborah de Jong, Chuck Grazier, Diana Becker, Hal Goodell, Ray Leslie, Jack Burrell, Burr and Edna Rideout and Chuck Stroehrer.

Items Discussed: Inventory of radio club equipment, Flea Market, Forming budget committee, Field day and budget, Fall auction, Awards-guide lines, 2 meter repeater-encourage new membership, Activity -AV Winery, wine tasting party May 21st.

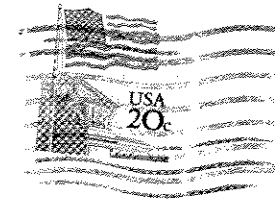
Appointed to do Club Relay - Ray Leslie; Publish Relay - Jack Burrell

Under advisement: A storage shed for Club owned material and equipment.

Motion to purchase supplies, notebooks, dividers, etc., for each Executive Board Member, seconded and passed.



MIKE AND KEY AMATEUR RADIO CLUB
 13517 117th Ave NE
 Kirkland, WA. 98033



FIRST CLASS

1-84
 K7WTG
 PETE HEDBERG
 20904 NE 77TH ST
 REDMOND WA 98052