



K7LED RELAY



The K7LED RELAY is the official tabloid of the Mike and Key Amateur Radio Club. The mailing address is: P.O., Box 2121, Kirkland, WA. 98033. The Mike and Key Amateur Radio club is dedicated to the betterment of Amateur Radio. We meet the Third Saturday of every month at the Good Neighbors Center, 305 So 43rd, Renton - across from Valley Medical Center. The Club operates repeaters on 52.05-53.05, 146.22-146.82, 222.52-224.12 under the call of K7LED. The following nets meet on 146.82: Club Net Wednesdays at 7:30 PM, Public Service on Thursdays at 7:00 PM. Everyone is invited to participate.

VOLUME 19

MAY 1991

NUMBER 5

PRESIDENT

Mike Dinkleman WA7UVJ
637 2nd Ave. So.
Kent, WA. 98032
854-4031

TREASURER (acting)

Charles Stroehrer WA7EBH
19415 SE 21st ST
Issaquah, WA. 98027
392-5303

TRUSTEE NO. 1

Ralph Schumacher WX7T
4032 East Mercer Way
Mercer Island, WA. 98040
232-8053

TRUSTEE NO. 4

Brian Wood KF7QF
8706 206th St. SW
Snohomish, WA. 98290
481-2361

VICE PRESIDENT

Jim Christiansen K7ND
P.O. Box 147
Fox Island, WA. 98333
549-4062

ACTIVITIES

Steve Roley AD7G
3034 61st St. SE.
Mercer Island, WA. 98040
323-4989

TRUSTEE NO. 2

Frank Krieger KA7QHG
3410 So. 166th St.
Seattle, WA. 98188
243-9232

TRUSTEE NO. 5

Julian Williams KA7MCB
7839 So. 114th St.
Seattle, WA. 98178
772-5729

SECRETARY

Darlene Pauza KG7KC
15325 6th SW
Seattle, WA. 98166
2078

RADIO OFFICER

Ken Rau K7YR
5430 Lake Alice Rd. SE.
Fall City, WA. 98024
222-7711

TRUSTEE NO. 3

Wayne Moddison K6DOW
16646 SE 134th ST.
Renton, WA. 98059
271-5314

EDITOR

Joyce Stroehrer N7JPW
19415 SE 21st St.
Issaquah, WA. 98027
392-5303

JOYCE STROEHER
19415 SE 21st ST.
ISSAQUAH, WA. 98027



FIRST CLASS MAIL

BOARD MEETING

On First Tuesday at 7:30 PM
Onmi Restaurant on So. 188th ST.

BREAKFAST

7:30 AM AT THE RIVERSIDE INN
14060 Interurban So., Tukwila

CLUB MEETING

Saturday MAY 18 at 10:00 AM
Good Neighbors Center
305 So. 43rd, Renton
Doors open at 9:30 for donuts
TALK-IN ON 146.82 RPTR

K7WTG
HEDBERG, PETE
20904 NE 77th ST
REDMOND, WA. 98053
92/01

RELAY DEADLINE

BY THE BOARD MEETING!

FIELD DAY JUNE 21-23

CHECK MAILING LABEL FOR DUES EXPIRATION DATE!

THE ENDING CHAPTER??

Nine months ago, KA7CSE and myself embarked on an adventure that still hasn't ended. This month, 5 Soviet Amateur Radio Operators will again visit Washington State in a reciprocal to our visit to the USSR.

I want to thank all the people who have been so supportive during our fund raising and for their interest. Its been a long haul but when its over, I think it will be a major highlight of the year.

Unfortunately, I keep kidding myself that this is the end and life will be back to normal (??) in June. However, Russians have a way of getting under your skin and I doubt that life will ever be quite the same.

I hope you all gave yourselves the opportunity to get an eyeball QSO in, and again, my sincerest thanks. Mike, WA7UVJ

MINUTES GENERAL MEMBERSHIP MEETING APRIL 20, 1991

The meeting was called to order by President Mike Dinkleman, WA7UVJ, at 10:00. The Pledge of Allegiance and introductions followed. In attendance were 50 members and 11 guests. A motion passed approving of the previous minutes.

Vice Pres., Jim, K7ND: New applicant Eric Gronau, K7PBY, was presented and voted to full membership.

Treas., Claire, KB7GEW: Total in account, \$17,156.02. Three certificates of deposits will be purchased. No outstanding debts at present time.

Act. Mgr., Steve, AD7G: A survey is being distributed today and will be collected. Raffle is being conducted today by Julian and a discussion was entertained on how the raffle is to be run for the next 12 months. It was decided to offer a major item quarterly and continue monthly certificate drawings.

C.O.B., Frank, KA7QHG: Upcoming board meeting announced for May 7 at the Omni restaurant.

Radio Officer (in absentia), Jack, KB7ZS: Reports on the search for the back-up repeater site. Some other possible locations surfaced. The backup repeater is on the air presently from Fall City and will be moved to the main site next week. There has been considerable damage to many radio services from power and lightning problems on the hill.

Pres., Mike, WA7UVJ: The jacket order has been received and is here today for pick up. Russian amateurs will be here May 7-25. There are activities planned. A pizza party at Roundtable Pizza, Renton, near the club meeting location on 43rd S., will be on May 10 at 7 PM. All Hams are invited.

The banquet chairpeople were thanked by the club for putting on a very successful evening.

Field Day: 75 Meter Band Chair has become open and a chairman is needed. Overall chairman responsibilities were discussed and new members acquainted with activities.

Break at 10:40. The meeting resumed at 10:55.

Program on VHF/UHF antenna construction was put on by Jim, K7ND. After a short break, the meeting resumed once again at 11:40.

New Business: Aldo, N7MYM, asked for a discussion to begin on the feasibility of establishing a building fund for the long-range goal of obtaining a club facility. The idea was briefly discussed with mostly favorable comments. No motion was presented at this time (see below).

Public Service: Upcoming are Husky Rowing Regatta, May 4; Pro Rally, May 14; Ballard Parade, May 17; and Special Olympics at Fort Lewis, June 1,2. Please contact Wayne, K6DOW, if you can help.

A motion was made by Aldo, N7MYM, seconded by Lloyd, WA7HNY, to have Nils, WB7TJK, become Facilities Chairman, to chair a building committee for the purpose of a long-range plan of obtaining a club facility. The motion was passed.

There being no further business, the meeting was adjourned at 12:15.

Submitted by,
Mike Cross, WB7AYU
Rec. Sec. Pro-tem

HELP NEEDED

I need help for the May 17th Ballard Nordic Days Parade. If you can help please give me a call. Meeting time for the Parade is Friday May 17th at 5:00 PM at 62nd and NW 24th (about 8 blocks west of C-COM). Talkin on 146.58 MHz simplex. I hope to see you there.
WA7EBH

**PROGRAM
MAY MEETING**

The May 18 meeting will present Danny, K7SS, a world renown radiosport contester and Chairman of the first World Games Radiosport Team Championships. Danny will show us the World Games Radiosport video "Passport to Friendship" and will give us some contesting tips and techniques for Field Day.

**MINUTES
BOARD MEETING
MAY 7, 1991**

Present: WA7UVJ, WA7EBH, KA7QHG, KF7QF, AD7G, K6DOW, KG7KC. Absent: KA7MCB, WX7T, K7YR, K7ND. There were 11 non-board members present.

The meeting was called to order by C.O.B. Frank, KA7QHG, at 7:45 PM. Victor, UA4HBW, aka N7PLU, from the Soviet Union was welcomed. He is the guest of Mike, WA7UVJ.

Steve, AD7G, Act Mgr: Danny, K7SS, showing Passport to Friendship video, along with contesting tips at next meeting. Info to follow on scheduled picnic in August in West Seattle.

Brian, KF7QF, Trustee: Long-range planning committee.

Eric, N7DLV: Looking forward to Field Day.

Mike, WA7UVJ, Pres: Will not be at Club meeting. Jim, K7ND, will preside. Pizza party at Roundtable in Renton at 7:00 PM, Friday, May 10. Taking orders for coats and T-shirts. Will continue collecting aluminum cans for the prize fund for the club.

Victor, N7PLU: Looking forward to having good club meetings and meeting friends. Also, possibly upgrading. Holds a General class license. Seeing the sights and American lifestyle. He is a computer technician.

Nils, WB7TJK: Facilities requisition study held by committee.

Plans as chairman: 1) Sound legal practical means of financing; 2) Make a demographic profile of club. Members on committee: Aldo, N7MYM; Les, WN7AXC; Lloyd, WA7HNY; Dan, N7QHC; Dawn; Julian, KA7MCB; Dan, KE7MX; Chairman Nils, WB7TJK. Chuck, WA7EBH, suggests looking into the possibility of starting a group in a high school or junior high school and ultimately obtaining a meeting place in return.

Nils submitted Valley View Library as candidate for a set of books.

Frank, KA7QHG, Trustee: Net Control Operators needed. Two members volunteered.

Mike, WB7AYU: no report

Chuck, WA7EBH, acting treas: \$16,600.00 in bank (\$13,000 in CDs, \$3,600 in checking. Flea Market finalized: \$10,205.00 expenses, \$20,877.00 Income.

Jack, KB7ZS, Field Day Chr: Band chairs needed for 75, 10 and possibly 15. Let Frank or Jack know if you have any suggestions. Dean, N7NKO, will chair 15. Old repeater up at repeater sight. I-Der and tone changed on new repeater. New repeater should be back on air soon.

Joyce, N7JPW, Editor: Tonight is deadline for May RELAY. Next board meeting deadline for June. Articles may be submitted on disk. Postage and printing have gone up considerably.

Wayne, K6DOW, Trustee: Boat races went off well with 6 members participating. Friday, May 17, is Ballard parade. 146.58 simplex. 5 PM. Special Olympics June 1,2 at Fort Lewis.

Meeting adjourned at 8:50 PM.

Submitted by,
Darlene Pauza, KG7KC
Secretary

FIELD DAY UPDATE

As of the May board meeting there were still some pretty big holes in our Field Day Plans. At the present time we have, firmly in place, band chairman for two CW stations, 20/80 and 15/40, plus one phone band, 20 M. We are also covered for natural power, satellite and packet. Natural power counts as a station but we will shut down another band for the length of time it takes to make the necessary contacts. We need a band chair for 75 meters and we need a commitment of a tech/novice to set up and run the 10 meter novice station. Help is available for both these bands but we need some leadership. The next problem is 15 meters. K7YR is most likely going to be in Boston thru noon on Friday and will not get to Ft. Flagler until later on Saturday. If this comes to pass, Dean, N7NKO has volunteered to head up that operation. Jack, N7IHS also expressed an interest in this band so hopefully they will pick up the ball and we will be set to run in class 5A.

Enclosed elsewhere in this relay and also the June issue is a check-off list that can be of great assistance in planning your trip. Just remember it is the job of the band chair to see that these items are available but certainly will not be asked to have all of them by themselves. Just check with Frank or myself and we will try to steer you in the right direction. All for now see you at the meeting.

73, Jack, KB7ZS

M&K FRIENDSHIP AWARD

This is a certificate awarded by the Mike and Key Amateur Radio Club to its members who have contacted ten (10) club members on any frequency.

For each group of ten contacts, five (5) may be through a repeater and five (5) must be direct contacts, or all direct contacts.

It will be noted on the Certificate as to which band the contacts were made, i.e., 2 meters, 75 meters, etc. or mixed bands.

In as much as there have been awards made in the past, the new series of awards

will be serial numbered and start with the number 100.

Submit the call letters of station contacted, indicate repeater or direct, to the person in charge of the Friendship Award.

The certificate has space for thirty (30) call letters on the front. Additional call letters will be entered on the back. Once the certificate has been awarded with at least the first ten call letters, the certificate must be submitted along with the new call letters to be recorded and certified. WA7EKH

VISITORS APRIL MEETING

Jeff, N7QEP; Bob, KL7SV; John, KA7QQR; Heather, no call; Dan, no call; Chuck, N7LMT; Frank, K7GSE; Glenn, KA7YPQ; Bob, KB7JIE; George, no call; Lew, W7QMP.

WELCOME ABOARD

Eric Gronau, K7PBY. 19436 S.E. 266th, Kent 98042. Ph: 631-8287.

A LETTER TO THE BOARD

APRIL 24, 1991

TO: Mike and Key Executive Board
SUBJECT: Motion made and passed by General Membership on April 20, 1991, to start looking for a facility for a club station.

I was the only "NO" vote on the motion. (I wonder how many abstentions there were?? HI-HI).

For the record, I'd like to make the following comments:

1. I am in favor of starting to plan for a Club Station. In November of 1988, I chaired a Long-Range Planning Committee, one of the recommendations was to "start discussion and planning for a Club House and Station"

2. During discussion of the Motion, there seemed to be a comparison drawn between a Public Water System and a Club Station. In my opinion, there can be no comparison. When a Water district is formed, current and future residents MUST support the district. Support of an Amateur Radio Station has to be volunteer.

3. I think the motion put the cart before the horse!!

4. Since the Motion was passed, it seems to me that the Board has three choices: a) Override the Motion with an explanation to the membership; b) Let the motion die a long and painful death; c) Immediately establish a "Station Planning Committee" whose task would be , estimate the costs for (select a location, buy land, permits, construct station, insurance, taxes, maintenance, security, utilities, interest on a loan, etc., etc). Facility responsibilities.

5. The costs and how to pay for them should be for a period of 15-20 years!!.

6. Contingency plans on how to recover if we foul-up somewhere along the way.

7. Submit all the above to the club membership and get approval before proceeding. 73, Vic WB7TBR.

Here are the results of the April 1991 survey of the Mike and Key members. The results show some interesting facts only 43 members turned in the the survey questionnaire. The numbers shown are actuals and not percent. Thanks to those who filled out the survey Steve AD7G.

MIKE AND KEY INFORMATION SURVEY

Which bands do you operate?

	SSB	FM	CW	OTHER
160M	4	0	1	2
HF(80-15)	26	1	15	3
10M	24	6	10	2
6M	6	5	0	0
2M	16	33	2	2
220	2	13	0	0
70cm	6	13	1	0
above	2	3	1	1

Which club activities do you participate?

	parcip.	like	dislike
field day	22	19	1
Flea market	31	22	0
Summer picnic	12	14	0
Awards banquet	17	17	0
Xmas party	11	15	0
2M net	9	8	4
Public service	14	10	1
Club meetings	32	23	0

Which radio activities do you do?

	lots	some	rarely
Rag chewing	20	14	3
DXing	8	10	9
CW Nets	1	6	12
Phone Nets	10	9	8
Contesting	4	11	10
Packet radio	6	6	8
Computers	18	9	2
Satellites	1	2	12
Home builds	9	8	7
Bunny hunts	0	3	13
VHF propogatn	1	7	9
EME	0	0	11
Antenna build	10	17	2
Radio science	2	8	8
ATV	3	0	11
Mobile radio	15	9	3
Public serv.	3	11	6
Microwave	3	5	10
Elmer	3	8	5
Other			

What meeting programs would you like?

	like	dislike	indiffer
Old time radio	10	2	11
VHF DXing	15	3	7
How to Contest	20	2	7
Small space ant	20	1	6
Big antennas	18	1	11
Build a rig	13	2	8
Digital Reptr's	16	1	6
Predicting prop	15	1	10
DX expedition	13	3	10
How to do EME	7	3	12
Effective mobil	23	3	2
SWLing	6	2	12
Shack safety	16	1	7
Ham computers	26	0	3
DFing art of	16	1	5
Amateur TV now	9	0	12
Build a ham stn	16	1	10
What is MARS	12	3	6
New ham rigs	21	0	9
Others			

Your age (<21) (21-34) (35-49) (50-62) (63 & over)
 Where live (apartment) (small city lot) (large lot) (acres)
 Ham for (<2 yr) (2-5 yr) (6-14 yr) (15-30 yr) (31 yr & over)
 Your license (novice) (tech) (general) (advance) (extra)

Comments: Raffle a Bird Wattmeter. The Club should do more public serv. Need hands on programs. AM is still alive! Raffle a big prize every 3 months. Need more community involvement. Now that I am retired I plan to be active again. Intro different types of communications. 2m net is for those who work weekends.

Other meeting program suggestions: High speed CW copying techniques. Packet Radio. Emergency Communications. General operating proc.

- ① After Hood Canal Bridge 3 1/2 miles turn right to Hadlock (About 1 mile)
- ② in Chimacum turn right at Y in Road to Hadlock (About 1 mile)
- ③ in Hadlock turn right at Sign to Fort Flagler and Chimacum
- ④ at Y in Road to Hadlock (About 1 mile)
- ⑤ in Hadlock turn right at Sign to Fort Flagler and Chimacum



FIELD DAY CHECK - LIST

(Revised and Updated Ver. 1.2)

OPERATING

- _____ TRANSMITTER
- _____ RECEIVER
- _____ POWER SUPPLY
- _____ SPARE FUSES FOR ABOVE
- _____ EXTENSION CORDS 12 Ga.
- _____ TRANSMATCH.
- _____ SWR BRIDGE
- _____ OPERATING LIGHTS
- _____ F.C.C. LICENSE
- _____ LOG SHEETS
- _____ DUPE SHEETS
- _____ SCRATCH PAPER
- _____ LOTS OF PENCILS / PENS
- _____ PENCIL SHARPENER
- _____ MICROPHONE
- _____ KEYS, BUG, OR KEY
- _____ CLOCK
- _____ OPERATING TABLE
- _____ CHAIRS
- _____ HEADPHONES
- _____ ANTENNAS
- _____ TOWER OR MAST
- _____ GUYLINE - ROPE
- _____ GUY ANCHORS "REBAR"
- _____ ROTOR WITH CABLE
- _____ FEEDLINE WITH CONNECTORS
- _____ EXTRA FEEDLIN
- _____ EXTRA CONNECTORS
- _____ BARREL CONNECTORS
- _____ MECHANICS TOOL BOX (WITH NUTS & BOLTS)
- _____ ELECTRONICS TOOL BOX (WITH SOLDER
- _____ AND SOLDERING IRON)
- _____ AMERICAN FLAG FOR TOWER
- _____ CHRISTMAS TREE LIGHTS FOR TOWER
- _____ RIBBON FOR GUY-LINES
- _____ SLEDGE HAMMER
- _____ HARD HAT
- _____ CLIMBING BELT
- _____ 146.58 SIMPLEX RIG
- _____ BACKUP RIG - COMPLETE (12 volts)
- _____ SPARE LIGHT BULBS
- _____ GROUND STAKE, WIRE, AND CLAMPS
- _____ ELECTRICAL TAPE
- _____ DUCT TAPE
- _____ BROOM
- _____ shovel
- _____ Fire Extinguisher




PERSONAL

- _____ FOOD & UTENSILS
- _____ SNACKS
- _____ RAIN GEAR
- _____ WARM COAT
- _____ BOOTS
- _____ GLOVES
- _____ TOILETRIES
- _____ GAS LANTERN
- _____ STOVE
- _____ FUEL FOR ABOVE
- _____ FLASHLIGHT
- _____ EXTRA BATTERIES
- _____ MATCHES
- _____ SLEEPING GEAR
- _____ NON-ELECTRIC CLOCK
- _____ FIRST AID KIT
- _____ TRASH BAGS
- _____ WATER
- _____ INSECT REPELENT
- _____ SUN SCREEN LOTION
- _____ CAMERA
- _____ FILM FOR ABOVE
- _____ CASH FOR CAMP FEE
- _____ DRUGS FOR THOSE
- _____ MALADIES YOU ARE
- _____ SUCEPTIBLE TO
- _____ milk PAPERs
- _____ READING MATERIAL
- _____ WEED WACKER
- _____ BATTERY CHARGER
- _____ 8 WAY RECEPTACLE
- _____ 50' MEASURING TAPE
- _____ XYL & KIDS

ALSO: Leave phone numbers of hams who are not going to Field Day that can contact the site in case of an emergency. Be certain to bring plenty of water as there is NONE at the operating site!!!

MIKE AND KEY AMATEUR RADIO CLUB

May 12 - June 22, 1991

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
May 12  Mother's Day	May 13	May 14	May 15 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 16 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS MEETING Puget Power Bldg. Bellevue	May 17 5:00pm BALLARD NORDDIC DAYS PARADE	May 18 Armed Forces Day 7:30am Breakfast at Riverside 10:00am CLUB MEETING AT UGN IN RENTON 1:00pm VE EXAMS at Good Neighbors Center
May 19	May 20	May 21	May 22 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 23 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. PARS 7:30	May 24	May 25
May 26  Memorial Day (Observed)	May 27	May 28	May 29 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	May 30 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	May 31	June 1 8:00am CAMANO ISLAND HAM BREAKFAST
					SEASIDE HAMFEST	
June 2 SEASIDE H...	June 3	June 4 **RELAY DEADLINE FOR NEXT ISSUE** 7:30pm Board Meeting OMNI RESTRAUNT	June 5 7:30pm MIKE AND KEY NET ON 146.82 RPTR. 7:30pm ISSAQUAH RADIO CLUB MEETING	June 6 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	June 7	June 8
June 9	June 10	June 11	June 12 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	June 13 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR.	June 14 Flag Day	June 15 7:30am Breakfast at Riverside 10:00am CLUB MEETING AT UGN IN RENTON 1:00pm VE EXAMS at Good Neighbors Center
June 16  Father's Day	June 17	June 18	June 19 7:30pm MIKE AND KEY NET ON 146.82 RPTR.	June 20 7:00pm PUBLIC SERVICE NET ON 146.82 RPTR. 7:30pm PARS MEETING Puget Power Bldg. Bellevue	June 21 Summer begins	June 22
					FIELD DAY	

Contact editor for additions