



K7LED RELAY

SEATTLE, WASHINGTON

VOLUME 7

MARCH 1980

NUMBER 11

CLUB OFFICERS

President	K7KOT	Steve Tillett	927-5456
Vice President	WA7EKH	Ray Leslie	821-4188
Secretary	WA7UEW	Dick Lundstrom	838-9559
Treasurer	WA7ELI	Lew Rambo	488-9120
Activity Manager	N7NW	Hal Goodell	927-7603
President Emeritus	W7JIE	Gib Gibson	226-4222
Trustee No. 1	K7WTG	Pete Hedberg	883-8535
Trustee No. 2	WA7EBH	Chuck Stroehrer	746-4122
Trustee No. 3	WN7NXC	Les Jacobs	363-4169
Trustee No. 4	WA7K BK	Don Rembaugh	362-9189
Trustee No. 5	WA7NIW	Dick Radford	883-0662
Radio Officer	K7YR	Ken Rau	392-7954

K7LED RELAY EDITOR

Vern Nelson, W7ZLW, 16812 N.E. 107th, Redmond, WA 98052 telephone: 885-0473

The K7LED RELAY is the official publication of the Mike and Key Amateur Radio Club, 23206 S. E. 53rd, Issaquah, WA. 98027. Articles may be quoted in full or in part without prior permission, providing the K7LED RELAY is credited. Deadline is the 1st of each month.

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

MEMBERSHIP: 87

ACTIVITIES

March 15 Board Meeting 7:30 a.m. OMNI Restaurant
Business Meeting 10:00 a.m.
Program: Elections of new club officers

April 5 Banquet at Auburn Elks Club

IT'S ELECTION TIME

New officers will be elected at the March meeting. The nominating committee presented the following for consideration:

President: Activity Manager:

Ray Leslie
Al Jensen

Karl DeJong

Vice President: Trustee #1

Jim Carpenter
Hal Goodell

Jim Strang
Pete Hedberg

Secretary: Trustee #2

Debora DeJong
Chuck Stroehler

Chuck Grazier
Gene Jacobson

Treasurer:

George Boross
Mike Cross

Nominations will also be accepted from the floor at the meeting. The following information has been supplied by each candidate to aid club members in making their selection.

PRESIDENT

Al Jensen, WA7TIB, Class, Advanced

First Licensed - September 1957

Club Member - 5½ years

Prior Offices Held - Treasurer

Amateur Radio Activities -

Active on all bands through 432 Mhz

Oscar

Computers - Has written several original programs for Field Day, auction, Satellite Orbit Calculations etc. Will do computer ranging on Phase 3 Satellite.

Al has been active in M & K activities such as field day (chairman), auction, and Seafair.

Ray Leslie, WA7EKH, Class, Technician

First Licensed - 1963

Club Member - Charter Member

Prior Offices Held - Vice President, Trustee

Amateur Radio Activities -

VP and Honorary Life Member Everglades ARC

Homestead Fl.

Mars - Region Communications Manager 1978-80

Washington State Director 1975-78

Base Mars Director, Homestead AFB 1964-65

VICE PRESIDENT

Jim Carpenter, K7PHZ, Class Advanced

First Licensed - 1961

Club Member - Associated with original M & K club; joined present club 1 year after reorganization

Amateur Radio Activities -

Enjoys FM operation on 6,2,220, and 450

Supports the club 6 meter K7LED Repeater. He is a regular on the M & K 75 meter net on Sunday mornings.

Hal Goodell, N7NW, Class, Extra

First Licensed - 1956

Club Member - 6 years

Prior Offices Held - Presently Activities Coordinator

Amateur Radio Activities -

DX on both HF and VHF

Hal is working towards DXCC and WAS on 2 meters.

He has 45 states, 12 countries and 4 continents, worked via moon bounce or other propagation modes on 2 meters. He enjoys phone and CW contesting.

SECRETARY

Deborah DeJong, N7AVO, Class, General

First Licensed - 1978

Club Member - 1½ years

Amateur Radio Activities

Public Service

Net Control for M & K net

Participating in most club activities

Photography - Photos used in Relay and QST

Field Day

Chuck Stroehler, WA7EBH, Class, Advanced

First Licensed - 1963

Club Member - Original Charter Member

Prior Offices Held - Activities Chairman, Treasurer, Trustee

Ham Radio Activities

Public Service

Field Day

Operate all bands through VHF

Emergency Coordinator for King County

Red Cross Communications

TREASURER

George Boross, N7BT, Class, Extra

First Licensed - 1932

Club Member - 1 year

Amateur Radio Activities

Operated as HSLK

Radio Controlled model power boats

Constructing Electronic Projects

Teletype

Integrated circuits and microcomputers

Operates HF and 2 meters

Mike Cross, WB7AYU, Class, Technician

First Licensed - 1975

Club Member - 4½ years

Ham Radio Activities

6 meters

ARES (20years)

Public Service

Field Day

Computers

ACTIVITES COORDINATOR

Karl DeJong, N7AMX, Class, General

First Licensed - 1978

Club Member 1½ years

Amateur Radio Activities

Field Day

Public Service

M & K Net Control

Worked on several club committees.

TRUSTEE # 1

Pete Hedberg, K7WTG, Class, General

What can I say! He's tall, dark and handsome, one with to many years in the club to remember. When you're over the hump, the memory is the first to go. (written by a friend)

Jim Strang, W7GPW, Class, Advanced

First Licensed - 1946

Club Member - 6 years

Prior Offices Held - Trustee

Amateur Radio Activites

Field Day

WESAR (Search and Rescue)

Radio Maintenance

TRUSTEE #2

Chuck Grazier, WA7RJT, Class, Advanced

First Licensed - 1971

Club Member - 8 years

Prior Offices Held - Vice President

Amateur Radio Activities

Pop Brown Award - 1974

Outstanding Field Day Member - 1975

Swap and Shop

Field Day

Public Service

Red Cross Station

ARES

Gene Jacobson, WA7TAI, Class, Advanced

First Licensed - 1973

Club Member 6 years

Amateur Radio Activities

HF, VHF, UHF,

Public Service

Red Cross Stations

ARES

Field Day

Ham, Inc. Treasurer

Computer

CONSTITUTION AND BY LAWS

ARTICLE I.

Name:

This Club shall be known as the MIKE AND KEY AMATEUR RADIO CLUB

OF WASHINGTON.

ARTICLE II.

Purpose:

The purpose of this Club shall be to bring together those who are interested in the hobby of Amateur Radio. For this purpose, we shall attempt to accomplish the following:

- A. Exchange technical information.
- B. Expand cooperation between members and interested non-members.
- C. Promote general radio and electronic knowledge.
- D. Expand amateur radio operating abilities and efficiency of individuals.
- E. Promote the hobby to the general public and community.
- F. Concentrate the Club's general activity toward public service amateur radio communications.

ARTICLE III.

Membership:

The membership shall be open to anyone, licensed or unlicensed, who is interested in the hobby of Amateur Radio. Two types of membership are available:
(1) ACTIVE MEMBERSHIP - which provides for full participation in all Club activities.
(2) ASSOCIATE MEMBERSHIP - which provides for limited participation for those who cannot attend regular business meetings. Associate members pay one-half the active membership dues, cannot vote in Club business and cannot hold any office in the Club.

ARTICLE IV.

Officers:

The Officers of this Club shall be a President, Vice-President, Secretary, Treasurer, Activities Manager and a Radio Officer.
All Officers, except the Radio Officer, shall be elected by secret ballot at the first general membership meeting in March and shall be assumed to be installed in office on the first day thereafter. They shall serve for one year and may be re-elected for one additional term but shall not be eligible for re-election to more than two consecutive terms to the same office.

The Radio Officer shall be appointed by the elected members of the executive board and shall become a full voting member of the executive board and shall serve until relieved by the same. The Radio Officer shall hold a EXTRA class Amateur Radio License.

ARTICLE V.

Trustees:

Three trustees in each odd-numbered year and two trustees in each even-numbered year shall be elected annually by secret ballot at the first general membership meeting in March to serve on the Executive Board.

ARTICLE VI.

Executive Board:

The five trustees and the six officers shall serve as the Executive Board and there must be a majority present at any board meeting to conduct official business.

ARTICLE VII.

Vacancies:

Vacancies occurring among the elected officers and trustees of the Club shall be filled by special election and secret ballot at the first regular business meeting at which the vacancy is made generally known. Such newly elected person(s) shall serve only the remainder of the existing term to which elected.

ARTICLE VIII.

Meetings:

Section 1. The Club shall meet regularly in general membership meetings on the third Saturday of each month unless changed by special membership action at least one month in advance of the changed date. Following the changed date, the regular meeting reverts to the third Saturday.

Section 2. The regular March meeting of the general membership will be the annual election of officers and trustees for the following year.

Section 3. Special meetings for special purpose may be called by the Executive Board at such times as are advisable. Such special meetings may transact only such business as is specified in the call, and special meetings may not supersede regular meetings except when specifically provided for.

ARTICLE IX.

Amendments:

Any proposed amendment to this Constitution may be submitted in writing at a regular meeting of the Club. Such proposed amendment must be signed by three active members of the organization before being submitted to the membership. A mailed notice to active members must be made following that meeting. After such notice, an amendment may be voted on at the next general meeting and shall become a part of the Constitution only if approved by majority of active members.

ARTICLE X.

Parliamentary Authority:

Roberts Rules of Order, Revised, shall be the parliamentary authority of this Club.

BY-LAWS

Section I - MEMBERSHIP

A. ACTIVE MEMBERSHIP - Official Club membership applications may be submitted at a regular business meeting by the individual requesting membership. Attendance at three of four consecutive regular business meetings by the applicant is required prior to the application being submitted to the general membership. Two-thirds (2/3) of the voting members present must approve the application before the applicant can be considered elected to the membership.

B. ASSOCIATE MEMBERSHIP - Associate memberships are available to those active members who cannot actively participate in Club activities. Applications shall be made to the executive board for approval. Special consideration shall be given to those who cannot meet the above requirements.

Section II - CANCELLATION OF MEMBERSHIP

A. Active membership in this Club is maintained by payment of dues.
B. Any member who becomes delinquent in their dues may not participate in Club business.

Section III - TERMINATION OF MEMBERSHIP

Membership in this Club shall be terminated by one of the following methods:

- A. Non-payment of dues within three months of due date. Or,
- B. Written request to terminate membership with non-refundable dues. Or,
- C. Unanimous recommendation of the Executive Board for violation of the Amateur's Code as presented by the ARRL. Members considered for termination have the right of appeal before the Executive Board and/or general membership. Terminated members will be notified in writing.

Section IV - DUES

A. The annual dues shall be \$8.00, payable on or before the anniversary date of Club membership. The MIKE AND KEY AMATEUR RADIO CLUB by majority vote at any general membership meeting may levy upon the general membership such

Section IV - DUES (cont'd)

dues or assessments as shall be deemed necessary.

B. Any member who has been dropped from membership because of non-payment of dues shall not be reinstated until re-elected to the Club or has paid dues in full from the date at which they become delinquent.

C. No cancellation or refund of dues shall be made if a member resigns.

Section V - DUTIES OF OFFICERS

A. PRESIDENT - The President shall preside at all meetings at which he/she is present; shall exercise supervision over the affairs and activities of the Club; and shall serve as member ex-officio on all standing committees, except on the nominating committee.

B. VICE-PRESIDENT - The Vice President shall assume the duties of the President during his or her absence, to include ex-officio membership on all standing committees except the nominating committee.

It shall be the duty of the Vice President to obtain a list of all members and guests attending the monthly business meeting. The Vice President shall ascertain which of the members present are eligible to participate in Club Business.

C. SECRETARY - The Secretary shall keep the minutes of all Club meetings, keep accurate and official records of the Club business transacted, shall conduct all Club correspondence excluding records or correspondence of various officers or committees. The Secretary shall also be the custodian of all Club records unless a special person is appointed for this purpose.

D. TREASURER - The Treasurer shall receive all Club funds, keep them in a bank or repository selected or approved by the Executive Board. He/she may pay out funds not to exceed \$50.00 per month except on an order signed by the President. Other disbursements may be made by approval of the Executive Board at an official meeting.

E. ACTIVITIES COORDINATOR - The Activities Coordinator shall be responsible for all Club activities other than general business meetings.

F. RADIO OFFICER - The Radio Officer shall serve as trustee of the Mike and Key Amateur Radio Club Amateur Radio License, all radio and other Club owned equipment. The Radio Officer shall maintain a current listing of all Club owned equipment and the whereabouts of said equipment at all times. The Radio Officer's mailing address shall be the official address of the Club.

Section VI - DUTIES OF TRUSTEES

Trustees shall perform the duties of Club auditors, and shall also perform the duties of a finance committee. All major monies spent pertaining to the function of the Club will be reviewed by the elected trustees.

Section VII - DUTIES OF EXECUTIVE BOARD

The duties of the Executive Board shall be to act in behalf of the Club and Club members in order to expedite the general membership meetings. In this capacity the Executive Board acts on items of business and the Executive Board present reports to the general membership on action taken. The Executive Board shall consider, promote, and transact additional business subject to instructions of the Club as expressed by a vote at a regular business meeting. The President of the Executive Board is elected by the board as a whole at the first board meeting after election of members to the board has been completed.

Section VIII - COMMITTEES

A. Committee chairperson shall be appointed by the President as he/she deems necessary. Committee chairperson(s) shall make reports to the Club on committee progress at general membership meetings. Committees can consist of, but not limited to:

1. Social functions - banquet, Christmas party, picnic, etc.
2. Contests - Field Day, Sweepsakes.
3. Public Service - ARES, Bike-a-thon, Walk-a-thon.
4. Fund Raising - Auction, etc.
5. Education and Training - Field trips, Tune-up seminars.

Special committees may be appointed by the President or the Executive Board at any time as the need arises.

C. The budget committee will draft an expense budget to be presented to the Executive Board for their approval at the first executive board meeting in May. Said budget shall encompass 12 months commencing on 1 June of each calendar year.

D. The audit committee shall conduct an audit of finances and property belonging to the Mike and Key Amateur Radio Club. This committee shall convene in January of each calendar year to enable said committee to render their report at the general membership meeting in March.

Section IX - ORDER OF BUSINESS

The recommended order of business at all general membership meetings shall be:

- A. Meeting called to order. Introduction of visitors.
- B. Identification of Officers and roll-call of members.
- C. Acceptance of minutes.
- D. Reports of Officers and committee chairs.
- E. Unfinished business.
- F. New business.
- G. Adjournment.
- H. Program or social hour.

Section X - QUORUM

One-third (1/3) of the active membership shall constitute a quorum for the transaction of business.

Section XI - AMENDMENTS

Any amendment to these By-Laws may be proposed at any regular meeting, to be adopted by a two-thirds (2/3) majority vote of the active members present at the following general business meeting; provided, the proposed amendment receives the approval of the Executive Board and a written notice of said amendment is sent to the general membership.

FEB 16 1980

Proposed changes to the Mike and Key Amateur Radio Club Constitution and By-Laws are summarized below:

1. Delete the office of President Emeritus and all pertaining thereto.
2. Added the office of Radio Officer.
3. Revised procedure for becoming a Club member. Club may now vote on a new member at third meeting attended.
4. Deleted membership committee.
5. Defined who may participate in Club business.
6. Additional duties for VP.
7. Refined treasurer's duties so he can disperse limited amount of funds.
8. Added duties of Radio Officer.
9. Revised duties of Executive Board by adding words.
10. Added duties of Budget Committee.
11. Added duties of Audit Committee.
12. Added various words throughout to further identify positions, offices, committees, etc.

A black line on left and right edge will indicate complete paragraph revision or change. Single words will be underlined for ease of locating.

The complete change or revision is incorporated into the attached Constitution and By-Laws.

When voting on the proposed changes and revisions the vote will be for these changes and revisions in their entirety.

These changes and revisions respectively submitted 16 February 1980.

Roger Lashli
Mike Hickson

Charles Stuck
Bill

1. Attachment:
Revised Constitution and By-Laws

A NOTE FROM THE VP-----

In the absence of the Pres, your VP stood-in again. The meeting started off with a "whistle", that got some attention!!!!, and rolled along at a brisk pace. Lots of things done in a one hour period. Normal introductions, minutes, Treasurer report, introduction of a constitution and by-laws amendment (copy attached here-to), the nomination committee made their selections known - no one nominated from the floor as yet, still open for the March meeting. A few other things discussed, closed the meeting. Mr. George Raymond and Mr. Norman Ray from the 1980 ARRL Convention Committee gave us a 45 minute rundown on the 1980 ARRL Convention that is to be held here in Seattle at the Red Lion Motel the later part of July.

Don't forget the Annual Mike and Key Amateur Radio Club Banquet on the 5th of April at the ELKS Club in Auburn, walk, ride, car-pool-it, or what ever, just get there. The price this year is \$10.50 just .50¢ over last year and this year there is live music and the club facilities to use after the banquet if you so choose. Address is; 1314 Auburn Way N. There is a turn off of the East Valley highway that takes you right into practically the front door of the Club.

The March meeting is going to be a busy one: Final banquet preparations, Constitution vote, voting for officers and all that other stuff that we manage to talk about. Hal Goodell says there will be CPR training after the meeting. Your presence at this important March meeting is required - make an effort to attend and cast your vote for your favorite candidate. 73 WA7EKH - Ray.

MARCH MEETING - March 15

Don't miss this meeting. It's that time of the year again to chose the 1980 Mike & Key officers. Nominations were opened at the February meeting. Additional nominations and the elections will take place during the March meeting. This is one month earlier than normal, due to the constitution change which will hopefully avoid the conflict with the Skagit Hamfest. The officers will be seated at the Banquet on April 5, and will start serving with the April meeting.

APRIL 5 - BANQUET

If you haven't already filled out the banquet reservation slip, be sure to do so and get it to Lou, WA7ELI. This year's banquet should be excellent. It will be held at the Auburn Elk's, with happy hour starting at 1830 (6:30 pm for the wives). We will have Bill Bennett, W7PHO, as our quest speaker. Bill's talk should prove very interesting and I'm sure it will be enjoyed by all, including the wives. Our prize committees are outdoing themselves. Thanks to Deborah, N7AVO, Joe, KB7FL, and George. WB7DGT. Many guests will be taking home some excellent prizes. I'm happy to announce that the raffle fund is sufficient to be able to purchase one of the 6 meter Comtronix FM radios for the ham's main prize.

APRIL MEETING

We haven't planned on any special activity as many will be leaving the meeting as soon as possible to head for the Skagit Hamfest.

MAY - CPR TRAINING

Due to the length of time required for the CPR training we have decided to have it on a non-club meeting day. No date is set at this time, but will probably be the first or second Saturday .

Hal, N7NW

QUESTIONS ON HAM RADIO AND INSURANCE

Have you wondered if your antenna is covered by your home owners insurance policies or your mobile rig covered by your car insurance? If you have these or any other questions relating to ham radio and insurance, here's your chance!

The ARRL National Convention will present a seminar on ham radio and insurance. The speakers will be from the Washington Insurance Information Service. However, they need your input as to the areas you would like to have explained.

Joel Clark, W7EPA, is the seminar coordinator and has requested hams with amateur radio related questions to submit these to him for the seminar. Please send your questions to :

Joel Clark, W7EPA
7315 130th NE
Kirkland, Wa 98033

or call him at 827-6786.

6 METER REPEATER K7LED/R IMPROVEMENTS

The six meter repeater has been in operation now for over a month. During that time the equipment has operated satisfactorily. However, major short coming which has been noticed is the lack of coverage to the south.

In order to correct this problem, a new antenna system will be required. This antenna will consist of 4 bays mounted on two legs of the tower to provide about 5db of omni directional gain. The cost is \$450.00.

Because the repeater, K7LED/R, was installed for the clubs use and an attempt to provide a common frequency for club members, it is felt that the club should help with the funding of the antennas.

In a special board meeting held 3-1-80, the subject was brought up, and the board agreed unaminously to recommend the purshase of the antenna system for the repeater. The antennas will be the property of the Mike & Key Club.

Here is your opportunity to assist the club to have a common frequency, one which should give good coverage for all members in the Greater Seattle, Tacoma Area.

Please express your feelings to the board members or myself on this subject.

73's

Ken Rau, K7YR
Radio Officer

EXISTING SIX METER FM REPEATERS IN OUR AREA

General Location		Site	Frequency
Olympia	(K7IUT)	Capital Hill	52.03-53.03
Tacoma/Federal Way	(K7CR)	Indian Hill	52.15-53.15
Seattle	(W7FHZ)	Tiger Mountain	52.29-53.29
Seattle	(K7LED)	Channel 11 Tower	52.37-53.37

TEMPORARY ON AIR - PLANNING TO BE ON SOON

Centralia	(K7BNN)	KELA Tower	52.25-53.25
Issaquah	(WA7TBP)		52.55-53.55
Mt. Vernon	(W7QP2)	Coltus Mtn.	52.43-53.43
Victoria	(VE7BEU)	Mt. McDonald	52.01-53.01

SIMPLEX

52.525-52.99

This information is provided by Clay, K7CR.

***** FOR THE LADIES *****

HERE'S A BIT OF TRIVIA, SOMETHING YOU MIGHT NEED TO KNOW; BUT WILL NEVER USE.

- DID YOU KNOW: That if you need to ripen an avocado quickly, tuck it into a plastic bag with a piece of banana peel. The gases given off by the banana peel hasten the ripening process and the avocado should be ready to eat within 24 hours.
- DID YOU KNOW: A whole unshelled walnut dropped into the cabbage pot cuts down on cooking odors.
- DID YOU KNOW: That at Christmas time, solid gold sunglasses were going for \$695.00.
- DID YOU KNOW: A Sunday edition of the New York Times, gobbles more than 250 acres of trees.
- DID YOU KNOW: To hard-cook eggs, place them in cold water, bring water to a boil, allow it to boil five seconds, cover, then turn off heat. Let stand twenty minutes.
- DID YOU KNOW: That the Buene Vista (a waterfront saloon in San Francisco) serves nearly half a million glasses of Irish Coffee every year. If you go the S.F. area, an excellent place for coffee & people watching.

THE THOUGHT FOR THE DAY..... MIDDLE AGE IS WHEN YOUR OLD CLASSMATES ARE GETTING SO OLD AND RUSTY THEY HAVE TROUBLE RECOGNIZING YOU.

BIRTHDAY WISHES

Because of expenses, individual birthday cards will not be sent by the club, instead we will try to publish the names and calls of our aging members.

MARCH

- | | |
|---------------------------|-----------------------------|
| 1 - Chuck Grazier, WA7RJT | 9 - Cliff Lutzen, N7SQA |
| 2 - Jim Carpenter, K7PHZ | 10 - Pete Hedberg, K7WTC |
| 2 - George Boross, N7BT | 10 - John Rehnstrom, WA7HQC |
| 6 - Jane Pelzell, WB7PFJ | 24 - Les Jacobs, WN7NXC |
| 6 - Vickie Mowrey, WB7ELG | 28 - Jim Long, WA7HCP |
| 7 - Neil Norberg, WA7ZUO | 30 - Dick Lundstrom, WA7UEW |

LICENSE FEE REFUNDS

Phase II of the FCC Fee Refund Program is planned for early 1980. This phase deals with refunds of fees relating to radio licenses, including amateur, CB, and commercial which were \$20.00 and below. This applies to the fees paid for licenses between August 1, 1970 and December 31, 1976. The date of this phase of the program has not yet been established. If you would like to obtain further information and have your name put on the mailing list, the toll-free telephone number is 800-638-0251 (8:30 am to 5:30pm Eastern Standard Time). It looks as though this program is four or five months away so look for it in the near future. At the present, if you paid \$25.00 for a special call sign between August 1, 1970 and December 31, 1976, you are entitled to a \$20.00 refund.

DX NOTES

A5IPN, Pradhan in Thimphu Bhutan has been showing up at 14.265 at 1400 to 1530 GMT almost every day. QSL via P.O. Box 166, Thimphu, Bhutan with 5 IRC'S.

S2BTF Peter in Bangladesh, is also found almost daily at 14.265 at 1400 to 1530 GMT and 21.345 at 0100 daily. QSL via W5RU.

HV3PG, Pino in the Vatican, is found on weekends at 28.595. QSL via IODUD who is the operator.

ET3PG in Ethiopia has been found on 14.280 around 0400 most evenings. There are at least 3 operators and each has a different P.O. Box.

JD1 - OGASAWARA - should be active March 1 through 8 and can be found at 3.800, 7.090, 14.195, 21.295, 28.600 and 50.100. Calls should be JA1JN1/JD1 and JA6RTJ/JD1.

7JI-OKINU - Torishima is to be activated by a DX Expedition in late April or May.

FR7AI/1 YUAND on Tromelin Island is found at 21.275 every other day at 1630 GMT with F6EXU helping out with the language barrier. Paul, F6EXU, usually takes a list of stations starting at 1600.

Propagation-wise 10 and 15 have continued to be very active with excellent conditions into Europe and Africa from early morning and continuing until mid-afternoon with the Pacific and Fareast carrying on until the late hours. Six hasn't had a good opening this spring, but it is expected at any time, so keep on your toes.

Hal, N7NW

SHORT BURSTS

Dick Radford, WA7NIW, joined the ranks of the winged hams, getting his flying license 2-10-80. Congratulations, Dick.

Congratulations to Bob, WB7DGT, who passed the advanced class exam.

Ken, K7PZX, is recovering at home from knee surgery.

Al, WA7TIB, needs to know how many members want to camp at the lower camp site on Marrowstone for field day.

Ethel Brown, now 84, has a new hobby of driftwood and has been taking some ribbons at various shows. Ken, K7PZX, says she is doing fine but does not go out evenings, so she will not be attending the banquet.

Tom, WB7OUT, has the 4-inch diameter club patches for sale for \$1.50.

The M & K Santa Talks public service program was reported in the February issue of World Radio News.

IT'S DUES TIME

IT'S DUES TIME

EXPIRED	WB7FEF - 6-79	K7RN - 6-79	K7SRX - 7-79
	KA7APJ - 9-79	W7WS - 10-79	WB7BOR - 10-79
	KA7BDU - 11-79		
GRACE PERIOD	W7JUP - 12-79	WB7DBZ - 1-80	WB7DVX - 1-80
	WA7RJW - 1-80	W7GSE - 1-80	WA7HCP - 1-80
	WA7HOG - 1-80	WA7KBK - 1-80	WA7NXC - 1-80
	K7PFR - 1-80	K7SCA - 1-80	WA7TBP - 1-80
	WA7TOM - 1-80	W7WJM - 1-80	WA7YCM - 1-80
	WA7ZLV - 1-80	K7DCG - 1-80	N7PK - 1-80
	K7QMG - 1-80	AA7S - 1-80	
	Diana Becker-1-80	*Jane Beaty-1-80	
	WB7EMS - 2-80	K7MBY - 2-80	K7MHM - 2-80
NEXT MONTH	W7ZLWV - 3-80	*W7BUN - 3-80	*Associate Member
APRIL	K7QMI - 4-80	WA7IVO - 4-80	WA7VIH - 4-80

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

ADDRESS CORRECTION REQUESTED

FIRST CLASS

ELECTIONS THIS MONTH