



SEATTLE, WASHINGTON

# K7LED RELAY

VOLUME 10

NOVEMBER 1981

NUMBER 7

## CLUB ACTIVITIES

- November 21 General Membership Meeting, 10:00 am  
Bunny Hunt after? ? ?
- November 29 Flea Market Meeting, 6:00 pm at the  
UGN Center. See announcement within
- December 5 11th Annual Mike & Key Christmas Party  
Complete details inside ! ! !

**MIKE AND KEY AMATEUR RADIO CLUB**  
 4522 Brooklyn Ave. N.E., Apt. 316  
 Seattle, WA 98105



ADDRESS CORRECTION REQUESTED

IT'S DUES TIME



FIRST CLASS

WA7TRI  
 BOB DONNELL  
 4522 BROOKLYN AVE NE #316  
 SEATTLE, WA 98105

CORRECTION  
 XMAS PARTY  
 \$5 EACH



MIKE & KEY AMATEUR RADIO CLUB  
11TH ANNUAL POTLUCK DINNER/DANCE/XMAS PARTY

Where: Mc Mickin Heights Improvement Club  
3730 South 166th St.  
Seattle, Washington

When: December 5, 1981

Time: 6:30 to 7:30 Attitude adjustment  
7:30 to 8:30 Dinner  
8:30 to 12:30 Dancing

\$\$\$\$: \$4.00 per person  
Baked Ham and Ice provided  
B.Y.O.B. AND APPETITES ! ! !

MUSIC PROVIDED BY: MUSIC MASTERS

Tunes for your dancing and listening enjoyment

AFTER 5 DRESS & GUESTS WELCOME

COMPANIONSHIP, FUN, AND GREAT FOOD ALONG WITH MUSIC FOR  
EVERY MOOD. WHAT MORE COULD YOU WANT ! ! !

PLEASE call Diane Becker at 885-1941 or Edna Rideout  
at 486-6610 and tell us what pot luck dish you intend  
to bring.

Please Mail \$4.00 for each person in your  
party and the lower portion of the page  
(Reservation Form) to:

MIKE & KEY  
CHRISTMAS  
PARTY

Mike Cross, WB7AYU  
5803 SW Hanford  
Seattle, WA 98116

RESERVATION  
FORM MUST  
BE RETURNED  
BY NOV. 29

I am bringing a total of \_\_\_\_\_ people to the  
Mike & Key Christmas Party including myself.

Enclosed is my check for \$ \_\_\_\_\_ made payable  
to the MIKE & KEY AMATEUR RADIO CLUB.

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
CALL



Contributions for the Relay this month from the Board were received from the following:

Hal Goodell	Jim Carpenter
Debbie de Jong	Mike Cross
Karl de Jong	Harry Lewis
Jim Strang	

Other contributors for the Relay this month were Burr & Edna Rideout, for the Christmas Party, Bill Balzarini, with the flea market announcement of meeting, and Mary Lewis, with an ARRL N.W. Division Directors report. Thanks to all for the contributions.

A COMMENT FROM THE EDITOR

by Bob, WA7TRI

From my point of view, the auction was not the most successful one I have attended, as all the equipment I really had my eye on was quickly bid to higher price than I felt I could afford to spend. Not to get off on the wrong foot, for the club, the auction appears to have been a great success, and to have come off very smoothly, with very few hitches, care of many hard working club members. On second thought, the auction went quite well for me also, considering that, somehow I managed to stay out of debt, so a double thanks to all who outbid me, in the process, keeping both the club treasury and my wallet a little fatter. On another note, there will probably not be a bunny hunt after at the next meeting as Karl is busy with family matters that day, but maybe the rest of us can do something ourselves.

How often, in your travels, have you observed a large antenna dish pointing South and wondered what the devil the thing is for? Ans. Well it's part of a Microwave antenna and maybe is being used to receive TV directly from any one of the many satellites in "geostationary" orbit some 23,000 miles over the Earth's equator. Holy-smoke you say; that's alot of antenna, why not compromise reception a little and use something more reasonable in size if not expense? There are a least two good answers: 1. If small and cheap antennas would do the job, everyone would do it and eliminate income for the folks who operate satellites and provision TV program material, and 2. Low gain antennas won't work anyway because the signals looked for are weak, buried in noise, and need careful conditioning to be useful. OK then, what does it take to receive all of this wonderful TV direct from heaven and without advertisements? There are three equipment categories for satellite TV reception: 1. The antenna, 2. LNA (low noise amplifier), 3. Satellite TV receiver.

That's enough fer now except to say that several manufactures of ham radio gear are already involved with the hardware and we will be seeing more articles on TV microwave in future ham publications as it is a neat place for microwave experimentation.

Hello fellow Mike & Key Club members and ARRL members? We all joined the Mike & Key Amateur Radio Club for various reasons. Some to get to know more Hams, some to gain knowledge about Ham radio, some to get involved in Field Day Activities, etc. and some are just 'Joiners'. Ordinarily the just 'Joiners' is a very poor reason, but more Hams are the thing as more has more clout in the eyes of the FCC. More ARRL members have even more clout. First of all, it's the only game in town. The ARRL is our oldest, largest and best organized spokesman for Ham radio. Just look at QST's cover Pages -- Devoted entirely to Amateur Radio. That alone really tells me something. Over the years all kinds of groups have tried to form to speak for all different kinds of Hams. Are any of these still around? I don't know. Lots of people were unhappy when changes were made several years back which actually took privileges away from some. The overall plan was to generate a more learned Ham. This all sounded great and was supported by the ARRL. Whether or not it did as expected is a matter of personal opinion. Does the fact that a person takes the extra time to increase his code speed to a level that may never be used in sustaining Q 5 copy make him a better Ham? Does increased state of the art electronic knowledge make a better Ham? It may make better Shipboard radio operators and make for better electronic engineers and technicians. But is this what Amateur Radio is all about? Should Doctors, Bus Drivers, Farmers, etc. be so thoroughly versed? Or should the proud Heritage given us by the Old Timers, who were of all endeavors, prevail? An Amateur Radio Operator is just that -- Amateur-- The Mystical atmosphere presented by some Hams and Clubs has scared off many a newcomer. Presently the highly skilled in code and electronic knowledge command higher positions, therefore, imposing their secular ideas as to what they think Amateur Radio should be rather than remembering what Ham Radio was, is and must remain. These Ideals have been brought forward through Hard Times by past & present Hams and by Our ARRL. We have, in our Club, the distinction of having the Northwest Division Director, Mary W7QGP, as a long standing member. We have a direct line into what's going on in Our ARRL. We should avail ourselves of this valuable information and proudly display to all our support of the ARRL.

Jim K7PHZ

p.s. This is my own personal opinion, I invite all to comment but only in the RELAY

### AN ARRL-AFFILIATED CLUB

#### OFFICERS

President	Hal Goodell	N7NW	927-7603
Vice President	Harry Lewis	W7JWJ	523-9117
Secretary	Debbie de Jong	N7AVD	883-3012
Treasurer	Mike Cross	WB7AYU	935-2688
Activity Mgr	Karl de Jong	N7AMX	883-3012
Trustee #1	Jim Strang	W7GPW	392-5554
Trustee #2	Gene Jacobsen	WA7TAI	822-3931
Trustee #3	Jim Carpenter	K7PHZ	833-9017
Trustee #4	Dennis Eckert	KB7ST	542-1365
Trustee #5	Bob Rulifson	KB7LM	746-5192
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Editor	Bob Donnell	WA7TRI	634-2820
	4522 Brooklyn Ave. NE	#316	
	Seattle WA	98105	

#### INFORMATION

The Mike & Key net meets each Sunday at 10 AM on 3930 kHz. Novices at 3730 kHz. VHF on 146.58 MHz and K7LED/R on 52.37-53.37. Club meetings the 3rd Saturday at 10 AM at the Good Neighbor Center at 305 S. 43rd St., across from the Valley General Hosp. in Renton.

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. Deadline is the first of each month.

FOR SALE....

WANTED.....  
7898 1104

COMPLETE HF STATION - - Drake R40 Receiver, T400 Transmitter,  
MM4 Ant., Matchbox, MS4 Leashes/Tuner,  
Supplies, All Cables & Manuals Included

MINT CONDITION !! \$300.00

ICOM IC-250A - - Includes HM-18 Scanner Mike, Two Mobile Mounts  
And AVANTI Mobile Ant. ...All Manuals Included

EXCELLENT CONDITION !! \$275.00

SWAN 250 - - Includes Homebrew Power Supplies, CUSHCRAFT Five  
Element Yagi, And Sears Rotator...All Manuals..

EXCELLENT CONDITION !! \$175.00

R-391CR/390 USED FOR CRYPTO WORK BY AIR DEFENSE COMMAND - -  
Includes MFJ Preselector...COMPLETE MANUAL !!!

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HY-GAIN TH3-JR & WILSON WR-500 ROTATOR - - - - -  
Includes 1:1 Balun, Coax Connectors, Control Head  
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....All Manuals.....

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MINT CONDITION \$100.00

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PENNEYS 23-CHANNEL CB - - Includes Factory Manual And All Info  
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of 73 Magazine Article)

EXCELLENT CONDITION !! \$20.00

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Heads Dubs Ball Mounts, Springs And  
8 Foot Whip

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60 WATT BASS GUITAR SPEAKER CABINET - Dual 15" UTHER SPEAKERS  
New! Includes 15 Watt Power Amp & Handies, Four Rubber Casters

IT'S ONLY ENGLISH

De W7JWJ

Many have experienced the confusion of traffic accidents and have had to summarize exactly what happened in a few words - or less - on insurance or accident forms. The following quotes were taken from those forms and were eventually published in the Toronto Sun.

Coming home, I drove into the wrong house & collided with a tree I don't have.

The other car collided with mine without giving warning of its intentions.

The guy was all over the road; I had to swerve a number of times before I hit him.

I pulled away from the side of the road, glanced at my Mother-in-law and headed over the embankment.

As I approached the intersection, a stop sign suddenly appeared in a place where no stop sign had ever appeared before.

An invisible car came out of nowhere, struck my vehicle and then vanished.

The pedestrian had no idea which direction to go, so I ran over him.

The telephone pole was approaching fast. I was attempting to swerve out of its path when it struck my front end.

I was unable to stop in time and my car crashed into the other vehicle. The driver and passengers then left immediately for a vacation with injuries.

I collided with a stationary truck coming the other way.

In my attempt to kill a fly, I drove into the telephone pole.

I had been driving my car for 40 years when I fell asleep at the wheel and had an accident.

I had been shopping for plants all day and was on my way home. As I reached an intersection, a hedge sprang up obscuring my vision.

I was on my way to the doctors with rear-end trouble when my universal joint gave way, causing me to have an accident.

I was sure the old fellow would never make it to the other side of the roadway so I struck him.

To avoid hitting the bumper of the car in front, I struck the pedestrian.

ACTIVITY MANAGER'S CORNER

Hunting season was here, but not many hunters were hunting. John, KE7I, and Gordy, WA7AVC, took to the trail of Karl, N7AMX, just after the club meeting in October. The bunny took down his mileage at the point of his cover, 1.8 was the exact distance. At 12:10 the first transmission was taking place. About 10 minutes later the bunny was discovered, not by the hunters, but a very concerned manager and assistant manager of a "you store it" complex just behind the fence where the bunny was hiding. While explaining my presence and making transmissions I went into the complex to meet the other assistant manager and explain again. Just then the first hunter, Gordy, WA7AVC, to find the rabbit pulled into the complex at 12:31. We left for the original hiding place a few yards away and at 12:41 John, KE7I, pulled up. He had driven just over ten miles. We all departed for lunch. More hunts are planned, so watch the Relay.

N7AMX

HAPPY BIRTHDAY!!!!!!!!!!HAPPY BIRTHDAY!!!!!!!!!!HAPPY BIRTHDAY!!!!

4-Ken Rau K7YR  
7-Diana Becker  
10-Mary Lewis W7QGP

12-John Bentler KE7I  
14-Jim Aeschliman WB7AHD



SATURDAY MORNING OCTOBER 17, 1981 UGN CENTER, RENTON, WASHINGTON

So many people were having fun visiting that the business meeting did not start until 10:13AM. Announcements were 1) Harry, W7JWJ, is having code practice on Sundays, contact him for the time and 2) Gib, W7JIE, would like input on the calendar of public events that hams help with communications. The Board made a recommendation that the M&K not pay annual dues to SMIRK which the membership accepted. Other items of interest were: After Oct. 23, you don't need to use call signs to end a QSO except with third party traffic; Board members shall contribute at least  $\frac{1}{2}$  page to the Relay each month; Radio demo event is tabled until Jan.; Board would like to have a Spring clean-up flea market; Santa Talks are coming sooner than you think-contact Tim, K7QMI. The Auction got some discussion, it's Nov. 7th and Mary will have an ARRL booth in action. Christmas Party coming-volunteer to help Burr and Edna, it will cost a little more this year, but it's always worth it. Al, WA7TIB, told us a great deal about the newest bird in the sky-UOSAT, he had so much information I couldn't write it all down so ask him about it.

Christmas is coming, fellas-there will be another shawl at the Nov. meeting for you to try for, so bring some change and get an early present. This time the money goes to Women's Prizes at the Banquet.

BUMPER STICKER--SPEED KILLS, PLAY IT SAFE, DRIVE A FORD.

ARRL NORTHWESTERN DIVISION DIRECTOR REPORT

Mary W7QGP

Ever had a problem with interference to or from your rig with respect to cable television? The Amateurs in Richland and Benton County did! Their problem was not in causing TVI to cable viewers, it was, rather, interference to their 2 - meter operations from a leaky cable system. The problem apparently stemmed from poor cable connections in many instances, and it is admittedly difficult for a cable company to stay on top of the problem (given all the mileage of cable in some areas).

The Amateurs in Richland felt they were getting a raw deal from the cable company. When informed of the possible interference the cable was possibly giving to local 2 - meter operations, the company told the hams to hit the trail.

And hit the trail they did, along with their testing gear. They measured the cable leakage at various points along the cable. FCC rules permit cable leakage to be no greater than 20 uV/m at ten feet from the cable. In Richland the leakage in some places was reported to be over 100 uV/m at ten feet, and at frequencies near the Amateur VHF bands. The Richland area amateurs called the ARRL for help.

The cable company had requested an unusual frequency pattern for the transmission of programs through the cable. The League opposed this request, stating that the system proposed had already been implemented without FCC approval and was causing interference to the valuable public service activities of the local Amateurs. The FCC agreed and based on the "totality of the circumstances", fined the cable system \$ 2500.00.

This is just one instance, but it shows the benefits of local Amateurs working together to solve a problem. The League can, and will, help in these situations.

Those groups organized in this opposition were the Tri-City Amateurs, Inc., South Eastern Washington VHF Society, Inc., Tri-City Hamfest, Inc., and H.R. Hughes.

We are hoping to have a good turnout for the Christmas Party this year. It has been suggested that if attendance is not as good as expected that next year's Party will be limited to the Board of Directors and be held at the Mirabeau Room at club expense!!

Don't forget the club's News paper Drive. Deb, N7AVO reports that about \$60 have been raised towards the Banquet so far. Deb also reports that she has another shawl made up for another raffle, the proceeds to go into the womens prize kitty. Will you win again, Dennis?

Anybody having corrections to, or change of address information should direct that information to Harry Lewis, W7JWJ, 10532 Sandpoint Way NE, Seattle, WA 98125. If you send corrections to me in other than in the form of a blurb for the Relay, I am likely to set it aside into my bottomless file cabinet (round) where, in all likelihood, it will be lost forever.

P.S. Forever is at a minimum, six months.



1 1/4 Meters continued

WBØTEN in Iowa now has 30 states worked and hard at work on the first 220 WAS. Local calling frequency is 220.1

3/4 Meters

At present no club member is active on 432 EME but several have SSB and CW capabilities sufficient to Oregon and British Columbia. 432.1 is the local calling frequency.

TREASURER'S CORNER

November 1981

by Mike Cross

Our month of feeding the treasury's kitty is here, and in full swing. The Auction results are being computed at this time and should be ready for the monthly meeting. As of now it looks like we netted around \$850 - our best year ever! I'm busy making heads and tails of all the data that Al, WA7TIB's computer provides me. what a great thing, this computer age, it sure makes the work simple.(?)

We are looking forward to the Christmas Party and the holiday season time of year. Our Treasury should be in fine shape, come the start of the New Year.

Treasurer's Report

September	Balance	1163.32
	Recieved	44.50
	Paid Out	<u>8.34</u>
October	Balance	1197.98

Santa Talks Comming

This year as in the past several, Tim, K7QMI is organizing the annual Santa Talks Program for the club. As usual the hospitals won't know till the last second if we will be going to see them, or if they will be able to get all the children home for the Christmas holiday. If you are an old timer to the Santa talks, then start thinking about the days you will be available in the week-and-a-half or so before Christmas. If you haven't done this before, what I am talking about is having several club members go into a hospital and allow the children to talk to "santa" via ham radio (2 meter handhelds) who is usually located in the hospital parking lot. Hopefully this sounds like fun, and I know personally that the kids love it and the hospital loves it, so come on out and get your feet wet. If you need any more information, please contact Tim at 634-0628, and volunteer yourself!

INFORMATION MEETING

A meeting, to discuss the possibility of a "flea market" has been set for the evening of Sunday, November 29th at 6 pm at the UGN Center for all that are intrested in putting on this type of activity. Wilse Morgan, KL7CQ from Anchorage, and the Anchorage Amateur Radio Club, will be there to answer uestions and discuss the details of a sucessfull flesmarket. It is hoped that all members of the Mike and Key Auction committee and the Board of Directors will attend, so that the possibility of the club putting on a flea market in March 1982 will stand a very good possibility of being very sucessfull. for more information, contact Bill, K7MWC/KL7BB at 762-7738.

## PRESIDENTS CORNER

by Hal Goodell

It was nice to see all the club member participation at our Auction. All the help was greatly appreciated. It seems like we do manage to get the members involved in something other than Field Day. Speaking of the auction, if you missed this one, you missed the one yet. Total registered was around 220 and the total sales set an all time high.

We the auction committee would like your comments, on paper please. We are going to put together a folder for usage next year.

Our next activity is a purely social one, the annual Mike and Key Christmas Party. Burr and Edna Rideout are chairpersons for this event and, as indicated at the last meeting, have the planning well in hand. But they need help!, and participation in order to make it a success. So lets all set aside the evening of December 5 and come on down to Mc Micken Heights for a jolly good time.

See you at the next meeting

## VHF PROPOGATION

### Six Meters

Well, F2 is alive and well on six. For all of you who procrastinated and didn't dig out that six meter SSB transciever and dust of the tubes, you almost blew it. Stateside contacts to all districts is occurring almost daily with DX contacts to the Caribbean, Japan, and around the Pacific are common place. On any given evening one can get on and work 50 to 150 JA's as fast as you can. Such choice Africans as ZS6, ZS3, C5, ZD8, have been worked. WA7LNQ with his brand new IC551, bought at the auction, worked the C5 with only 10 watts. Cross-band to Europe, 6 to 10 meters, is also possible for the persistent. Carl, W7PRW, is trying to reach TF3, Iceland, for WAZ, and I sure hope he makes it. F2 is expected to continue through late December of early January so you've still got time to get in on the fun.

### Two Meters

Calling frequency is 144.2 MHz for SSB and CW, please no FM stations below 144.5 OK? Again, pass it along that 144.0 to 144.1 is a CW-only Subband by FCC Regulations. Too many FM stations are being found operating in this portion of the band. Much weak signal SSB and CW operating is done throughout the world in the 144.0 to 144.5 band segment. Most EME (earth-moon-earth) contacts take place on cw between 144.0 and 144.075 with calling freqs being 144.0 to 144.010 and schedules being made on designated frequencies up the band. Meteor scatter and tropo contacts are usually made on 144.075 to 144.250 with nets and rag chewing on above 144.250.

Both WB7DTI and N7NW (for his 50th state on two meters) were fortunate enough to work the W1JR/1 expedition to Rhode Island in October. K7KOT has been initiated to the ranks of EME'rs with succesfull contacts with KI7D in Idaho and W7HAH in Montana.

### 1 1/4 Meters

K7ND continues with the only active EME station in the state, on ""0, now having provided contacts with K5FF, W5FF, W6PO, KA0Y and WB0TEM. Jim is presently trying to work W0VB in Minnasota, and KL7NO. 220 EME activity is growing throughout the states