



# K7LED RELAY

SEATTLE, WASHINGTON

VOLUME 7

AUGUST 1979

NUMBER 4

## CLUB OFFICERS

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Treasurer	WA7ELI	Lew Rambo	488-9120
Activity Manager	N7NW	Hal Goodell	927-7603
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Trustee No. 4	WA7KBK	Don Rembaugh	362-9189
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## 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 and VHF on 146.58 Mhz.

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MEMBERSHIP: 90

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## ACTIVITIES

August 18 Board Meeting --7:30 a.m. Turkey House --South Center  
Business Meeting --- 10:00 a.m.  
Program --Gib, W7JIE on IARU Intruder Watch Program

September 29 WSP Communications Center Tour

October 27 Auction -- Volunteers needed

## ACTIVITIES REPORT

### SEATTLE UNDERGROUND TOUR-JULY 21

On July 21 several members and their families met at Dock Maynards in the Pioneer Square for a tour of the Seattle Underground. Those who attended had a good time exploring the underground caverns created when the streets were raised and the sidewalks were covered. The tour guides did an excellent job explaining the development of the city of Seattle and how the underground was created after the fire of 1889.

### SOUNDS OF TWO METERS - July 21

Hal, N7NW, presented a program after the July business meeting covering DXing on two meters. Tape recordings of tropo, meteor scatter, aurora, and moonbounce contacts were played. I hope the program was interesting to all.

### PICNIC-AUGUST 5

By the time you receive this newsletter this event will be history. The picnic was held August 5 at Lake Sammamish. At this writing the weather looks good and a good turnout is expected. I hope this social event will be enjoyed by all.

### MEETING PROGRAM- AUGUST 18

W7JIE, Gib, will be presenting a program after the business meeting. Gib is deeply involved with the International Amateur Radio Union's, IARU, Intruder Watch program. Gib will be talking about the hows and whys of the program. This is a program that we all should be interested in so that we can recognize the band intruders and know what to do and who we can report the occurrence to when intrusion occurs. If you have ever listened to the "woodpecker" on 20 or 15 meters or the foreign broadcast and commercial stations in the 40 meter band you know what we mean by intruders.

### WSP COMMUNICATIONS CENTER TOUR-SEPTEMBER 29

I have made arrangements for the club to tour the Washington State Patrol's Communication Center in Bellevue on Saturday, Sept. 29th, starting at 10 am. The tour is limited to two groups of 8 people at a time, but can be set up for multiple tours starting of the hour. At the August and September meetings I would like to sign up those who are interested in taking the tour.

### AUCTION- OCTOBER 27

The auction committee met at Gib's house of July 31st to kick off the planning for this year's auction. Al, WA7TIB, brought his Apple II computer to show us the auction program which he has developed to do the bookkeeping. With the computer Al can keep total account of all buyer and seller transactions plus provide itemized receipts to the buyers and sellers

## AUCTION (CONTINUED)

when they checkout. This should greatly simplify our bookkeeping problems. It was decided to hold the auction on Saturday Oct. 27, with doors opening at 7 am and auctioneering starting at 10 am. Those in attendance were W7JIE, WB7AYU, WA7TIB, N7AMX, and N7NW. Auction activities were discussed and recommendations made to improve and speed up the auctioneering process.

The auction is the only fund raising event that the club sponsors through out the year. Proceeds from the auction help support the club activities. The committee will need YOUR help to make this a success. The auction tasks have been assigned to the following:

WA7TOM---FOOD	WB7AYU-----PA SYSTEM
WA7TIB---COMPUTER	K7YR-----AUCTIONEERS
W7JIE----REGISTRATION	N7AMX-----SETUP & SECURITY
N7NW-----ADVERTISING	K7QMI-----TALK IN STATION

These are only the chief organizers and many bodies will be required during the auction to insure everything runs smoothly. Please contact one of the above if you will be available to help out.

## FUTURE ACTIVITIES

Do you know of someone who would make an interesting speaker at out meetings?? Do you know of a place you think the club would like to tour?? Do you know of an activity that the club should partake in??

Please think about these questions and contact your activity manager so that arrangements can be made. I need ideas from YOU. How about a code class? It has been mentioned that we do not have many novices or technicians in the club. This fall would be a good time to get one started. What do YOU think.

I am planning on having a program after each of the Club meetings as well as an activity during the month and will publish a calendar in the next relay.

### ACTIVITIES MANAGER

HAL N7NW

## HAMFEST SCHEDULE

EVENT	WHEN	WHERE	CONTACT	PRICE
TACOMA HAMFAIR	Aug. 18-19	Camp Murray, Tacoma	RADIO CLUB-TACOMA W7DK 845-7800	
WALLA WALLA HAMFEST	Sep. 22-23	Milton-Freewater Community Center	TINY or GEORGE on 3960 mHz	Free

## PUBLIC SERVICE ACTIVITIES CALENDAR

DATE	ACTIVITY	LOCATION	TIME	FREQUENCY	CONTACT PERSON
Sept. 8-9	Fishing Derby	Puget Sound	5:30 AM	146.01-61	K7WTC

PROPOSED CONSTITUTION AMENDMENT

9 May 1979

TO: Secretary, Mike & Key Amateur Radio Club:

As provided in Article IX of the Constitution of this club, the following amendment is offered for consideration by the membership.

Article IV: Change the second sentence to read: "the officers shall be elected by a secret ballot at the first general membership meeting in March. Installation of elected officials shall occur following said election. They shall serve for one year. ...." (remainder of Article is unchanged).

Article V: Change 30th word from "April" to "March". Remainder of article is unchanged.

Respectfully submitted:

M.L.Gibson, W7JIE

Member Mike & Key ARC.

Pete Hedberg, K7WTG

Member Mike & Key ARC

G. Lewis Rambo, WA7ELI

Member Mike & Key ARC

Argument for amending the constitution with these word changes.

1. Presently the officers and Trustees are elected and installed in office the same day. This sudden change prohibits the newly elected officials from doing any preliminary planning for assumption of new duties. It is impossible for the newly elected officials to become acquainted with the task overnight, and usually takes some time to produce effective club leadership results. The 1-month period proposed will provide for smoother transition and more effective club leadership.
2. Frequent conflicts have occurred in the past by the April election/installation date. Of most recent significance was the Skagit Hamfest and our banquet on April 21, 1979. Several members of our club were unable to attend one or the other function, while others hurried to be in both places. A March election/installation (or banquet) would circumvent this conflict and provide for better attendance at this important club function.

## FIELD DAY ANALYSIS

Clay, K7CR, has provided an interesting compilation of the Mike and Key 1979 Field Day effort as compared to prior years. This year we continued to improve as our score (unofficially) was 11,432 compared to 11,141 for 1978 and 11,118 for 1977.

The following tables break this comparison down to individual bands. Now all we do is wait for the final results to come out in QST to see where we finished in our class.

### FINAL FIELD DAY RESULTS

STATION	NET QSO'S	SCORE LESS PWR MULT.	DUPE %	DUPES	BAND CHAIRMAN
40 CW	379	758	1.55	6	
15 CW	477	954	1.44	7	
TOTAL 40/15/CW	856	1,712	1.50	13	Steve (K7KOT) & Hal (N7NW)
20 PHONE	864	864	1.03	9	Clay (K7CR)
15 PHONE	767	767	2.66	21	John (K7PFR)
20 CW	383	766	1.28	5	Dan (WA3WPY) & Elmo (WA7YCM)
40 PHONE	435	435	2.46	11	Dave (WA7TOM)
75 PHONE	335	335	3.19	11	Carl (N7AMX)
80 CW	107	214	0.09	1	Harry (W7JWJ)
10 PHONE	167	167	1.18	2	Ken (K7YR) & Jim (W7GPW)
6 PHONE	53	53	0.0	0	Dick (WA7NIW) & John (WA7HQG)
OSCAR	3	*	0.0	0	Al (WA7TB)
<b>TOTAL</b>	<b>3970</b>	<b>5313</b>	<b>1.8</b>	<b>73</b>	
SCORE WITH POWER MULTIPLIER (2)		10,626			
FINAL SCORE INCLUDING BONUS (UNOFFICIAL)		11,432			
*INCLUDED IN BONUS POINTS					

### K7LED FIELD DAYS IN COMPARISON QSO TOTALS

BAND	1977	1978	1979
80 PHONE	450	318	335
80CW	60 (novice)	56 (novice)	107
40 PHONE	352	383	435
20 PHONE	769	812	864
20 CW	579	267	383
15 PHONE	610	580	767
40/15' CW	632	750	856
10 PHONE	340	403	167
6 PHONE	Combined with 10 Phone	26	53
<b>CW SCORE</b>	<b>2422</b>	<b>2146</b>	<b>2692</b>
<b>PHONE SCORE</b>	<b>2521</b>	<b>2522</b>	<b>2691</b>
<b>TOTAL SCORE</b>	<b>9886</b>	<b>9336</b>	<b>10,626</b>
<b>WITH BONUS</b>	<b>11,018 #1 in class</b>	<b>11,141</b>	<b>11,432</b>
<b>QSO CW %</b>	<b>48.</b>	<b>42</b>	<b>51.2</b>
<b>DUPE %</b>		<b>1.4</b>	<b>1.8</b>

BITS AND PIECES

For you VHF buffs - The August Persioids meteor shower will peak between August 10 and 14. WB7DTI, K7ND, K7KOT, and N7NW are busily making schedules to increase their state totals on two meters. Additional schedules will be made during the shower on 3815 plus or minus QRM. If you want to get your feet wet in 2 meter dxing, contact one of the above for more info or check into the informal net of 3815 on the nights of the shower. You will need about 100 watts, horizontal antennas and ssb or cw capabilities. I promise you that once you try it you'll be hooked.

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K7ND is erecting a EME ( earth-moon-earth ) antenna for 220MHz. If successful Jim will be the only person in Washington on 220MHz moonbounce and will be much in demand by other stations across the country.

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Now is the time for six meter buffs to start preparing for the dx season. With the solar activity increasing it is predicted that six will be open for worldwide dx this fall and winter. Last year a few fortunate locals were able to catch opening to VK, ZL, LU, plus many pacific stations.

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REports have it that 20 meter dx is pouring in from Asia and Africa on the long path in the mornings.

\*\*\*\*\*

Many thanks to Zoe, W7JIE's xyl, for the fantastic treat after the Auction meeting. She served up homemade peach and blackberry pies ala mode.

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Rick, WB7DTI, is the proud owner of a new bird roost, having put up eight, thats right -count them, of the W7UBI designed nine element two meter yagis. This array will eventually allow Rick to work two meter moon bounce and will immediately be put into service during the Persioids meteor shower. Good Luck Rick.

The Mike & Key Club picnic was well attended this year, but quite a few were still missing. Where were you? For those of you that weren't there, you missed some very intense volleyball action---right Jan?

RELAY STILL NEEDS YOUR INPUTS

I am still in need of inputs for the Relay. If you have anything of interest, send it to me. For your convenience, I am enclosing a form on which you may write your information. Please try to meet the deadline of the 25th of the month. With everyone missing this date it is very difficult to get the paper out prior to our club meeting

Vern



## FOR THE LADIES



We have Little John's Field Day Chili and now we have Robin Hansen's (daughter of Don and Marge Rembaugh) WA7KBK, Field Day Kahlua and Kahula Pie.

### KAHLUA

4 Cups sugar  
2 Oz. instant coffee

Mix well in a bowl. Add 2 cups boiling water. Stir. Then cool. Pour into a large jug. Add 1 vanilla bean and a fifth of brandy. Let sit in cool dark place for 30 days. Remove bean and pour into bottles with tight lids.

### KAHLUA PIE

Dissolve in double-boiler on low heat, 24 large marshmallows in  $\frac{1}{2}$  cup milk, cool, and add one-third cup kahlua. Fold in 1 cup whipped cream. Pour into chocolate crumb crust and freeze. Sprinkle with chocolate curls and slivered almonds. Keep frozen.

## HR REPORT HIGHLIGHTS

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PROPAGATION AUGUST 7-21. Solar activity is expected to be low during the forecast period, with occasional excursions to moderate or even active levels giving rise to sporadic flare activity. Disturbed periods between the 7th and 11th and again between the 17th and 20th are likely to affect DX favorably, unless accompanied by an unsettled geomagnetic field that's expected on the first day or two of each period. At these times, expect polar-path disturbances resulting in weak and watery signals — if any. Transequatorial paths, on the contrary, could be quite good on such days, particularly at 28 MHz and higher.

Twenty Meters Continues its winning ways from late afternoon through early morning (local time); 10 and 15 meters are predominantly daytime bands. On 10 and 15, you can expect good openings to the east in the morning, to the west in the afternoon, and to the south in the evening. The 40, 80, and 160 meter bands still suffer from thunderstorm QRN and high absorption levels, but good DX openings can be expected after dark on some days of the month.

The Perseid Meteor Shower on August 12th should provide about 50 entries per hour, with some persisting for up to 5 seconds, providing meteor-trail propagation for VHFers beginning about six PM local time.

MUFs Above 50 MHz are likely for a few days during the forecast period, particularly from West Coast to Pacific and South American locations. The ZL6BN beacon on 50.055 is a good rallying point, and a six-meter alerting net operates on 28885 MHz. W1XU

## WWARA TO MEET DURING TACOMA HAM FAIR

The WWARA (Western Washington Amateur Relay Association) will hold a General Business Meeting at the Radio Club of Tacoma's Ham Fair to be held at Camp Murray, near Fort Lewis, August 18 at 9 a.m.

In addition to some business to be conducted there will be a question and answer period where you can find out what you've always wanted to know about repeaters and repeater matters in the Northwest.

### WHERE ARE THE MOTRON'S?

A great number of local amateurs in our area purchased former CHP (California Highway Patrol) Motorola "Motron" radios that can be put into amateur service on 6 meters, whereas, the number of units on the air is less than the number of units brought in, where are these radios? The channel 1 repeater group of Tacoma, who brought in 100 of these is still getting requests for "more Motrons". If you have one and don't plan to put it on, Channel 1 will buy it back so others can get on 6FM. Contact K7CR, (Clay), for details.

Several club members have been very busy this summer helping with communications for summer festivals. Most of these are now completed with the Seafair finale.

### NEW REPEATER

The radio amateurs of Skagit County have recently put a new 2 meter repeater on the air. The repeater, W7IXF/R operates on 144.59-145.19 and covers a good portion of Western Washington from a 4,200 foot site near Sedro Wooley. Thanks to the WWARA for this information.

### MIKE AND KEY AMATEUR RADIO CLUB

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FIRST CLASS