

K7LED ° RELAY



VOL. 4 NR. 3

JULY 1976

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President.....WA7WMC.....Clay Freinwald
Vice-President.....WA7TOM.....Dave Grant
Secretary.....WA7WMD.....Kathy Freinwald
Treasurer.....WA7TIB.....Al Jensen
Activities Manager.....W7JIE.....Gib Gibson
Radio Officer.....K7IPQ.....Pete Policani

TRUSTEES

Ken Rau, K7YRQ Ken Jackson, K7PZX Jim Strang, W7GPW
Pete Hedberg, K7WTG Chris Holt, WA7RJW

The K7LED RELAY is the official publication of the Mike and Key
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8510 Idlewood Dr. SW, Tacoma, Wa. 98498 (Ph. 582-4577). Deadline is
the 20th of the month preceding date of publication. Articles may
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HAPPY BIRTHDAY!!

July 4.....AMERICA 10....Ron WA7OEE
4.....Bill WA7000 25....Ken WA7RYP
6.....Debi WN7ACM 28....Wally W7ZSL
14....Gene WA7TAI 29....Archie WA7EJY
22....Ozzie K7CAI

Cover Artwork: Janet, WA7WMB

PRESIDENT'S CORNER

I am writing this on Sunday, the 20th, looking back on yesterday's activities...almost 8 hours of them. We started the day with something new for the club, and that is a board meeting over breakfast. We are meeting at the Turkey House at 7:30...this is next to all the furniture stores in Tukwila...and it looks as if this is going to work out quite nicely. Come join us for breakfast before the club meeting sometime.

From the board meeting we went to the regular meeting place and had a very full house...glad the club started the ball rolling towards getting more chairs for we were at capacity yesterday. After the regular meeting the subject turned to Field Day. By the time you read this Field Day will be behind us. It's what is in front of us that I would like to talk about for a moment. Kathy read in the Field Day meeting some comments about "other clubs" that were in the WWDX Club Totem Tabloid, something to the effect that the DX club would do better than the other clubs in the area due to their pool of experienced operators, etc....granted this comment may have been directed towards "other" clubs, but the fact remains that the DX club does have a lot of "experienced" contest operators, and in the case of Field Day this experience does result in score. I feel that our club has grown to the point that we should perhaps consider offering the HAM who likes to contest a club activity he can relate to. Let me be specific...what I am proposing is that we consider having a "Contest Chairman"...someone who is familiar with the various contests that take place throughout the year and who can inform us of these events, provide us with logs, and turn in club scores, etc. Contests like Sweepstakes, 10 meters, etc. provide great training for contests, they are lots of fun, and, with the old adage of "there is no substitute for experience", this can't help but make Field Day 1977 even better than the last one...give this some thought and perhaps we can discuss it at the next meeting.

Clay Freinwald, WA7WMC

REGULAR BUSINESS MEETING....June 19, 1976

Meeting was called to order by President Clay Freinwald. Arne introduced WA7GOJ, WA7FLI, WA7RYG, WB7ALA, and WN7DTI as visitors. The club call went to WA7WMD for the month of June. There's been nothing heard from K7MWC as to how much he used the call in Alaska. WA7FLI donated two boxes of magazines to the club library. M&K Club will be in charge of communications at the upcoming Division Convention. Mark WA7FLI and Rick WN7DTI were voted in as new club members with a 100% yes vote. Treasurer report was: Old Balance \$814.41, Receipts \$74.36, Paid Out \$93.67, Raffle Receipts \$4.00, Raffle Balance \$134.81; Total New Balance as of 6/19/76 is \$929.91. Bills amounting to \$23.75 were approved for payment. Upcoming Activities: July 6 is the next No Host dinner. Club picnic will be on August 15 at Lake Sammamish. WA7TBP is in charge of picnic arrangements. September 18 and 19 is the Salmon Derby...contact K7WTG if you can

REGULAR BUSINESS MEETING....continued

help provide communications. The Christmas Party will be at McMikken Heights on December 4th. Al WA7LWP will be working on the Santa Talks. A motion carried for the president to appoint a committee to put together an auction to take place at the Seattle Center on October 30, with October 2 as an alternate date. Karon Policani was appointed Chairperson. Jan WA7HWX is working on some YL activities. Little John WA7HQG will be putting together some bunny hunts. The FCC has requested info from clubs on any licensing classes that are to be held. WARTS Net, Country Cousins, and Noontime Net picnic will be July 9, 10, and 11 in Mossyrock. Net activity is up...let's keep it that way. Elmo WA7YCM is chairman for the club's membership committee and will be contacting new amateurs in this area. A motion carried to recommend to the Budget Committee that the club buy 10 chairs from the General Fund. Bev WB7ACS will be looking for a sitter to help with the children at the club meetings. Al WA7TIB had a slide presentation on WR7ACS which was very interesting. Thanks, Al! Meeting was adjourned and followed by a Field Day meeting.

PUGET SOUND COUNCIL OF AMATEUR RADIO CLUBS

May 28, 1976....Meeting opened at 8:00 PM by Steve K7KOT.

Director's Report: A possibility by the first of the year of Technicians having Novice privileges and General code speed reduced to 10 WPM. SCM Report: Walla Walla Hamfest date September 25-26, not the 18-19 as previously stated. Conconully Hamfest July 24-25. EC Report: Working up an EC workbook to be out by the first of the year. Bob W7PGY will send list of new amateurs in the Seventh District to the council secretary. Council members will be able to bring these names back to their clubs. The North Seattle Club's new meeting place is at the Fidelity Savings Building in Lake City. W7DK will have their repeater operational soon (84-24). The club will be operating a fireworks stand June 28 to July 4 at 99 and Kent-Des Moines junction. The Seattle repeater is up on Green Mt. The Capitol repeater was damaged by vandals. The Mike and Key ARC is busy with Field Day preparations and will hold their annual picnic on August 15.

June 18, 1976....Meeting called to order by Pete K7IPQ at 8:00 PM at the Beeing Bears meeting place. Bob Brown's Report: New Dick Van Dyke PSAs are available. The ship Explorer has arrived at Atlanta. The State Bicentennial Commission meeting will be held in Spokane on 6/24/76....amateur radio consideration will be taken up by the commission. SCM Report: From Official Bulletin #594 (ARRL)--FCC this week adopted some major changes in the licensing structure. Technicians will receive full Novice privileges. The one-year wait between Novice licenses is deleted. Novices will be permitted 250 watts d.c. input power. All licensees similarly will be limited to 250 watts, when using Novice frequencies. Full credit will be given for exam elements passed in a test administered by a volunteer; that is, Conditionals will be grandfathered to General and Technician C licensees to Technician. The Novice written test will be part of every exam. The future availability of mail exams will be limited to Novice, except in cases of protracted physical disability. The changes, contained in the First Report and Order, Docket 20282, go into effect July 23, 1976. More details when full information has been received from Washington. (End of Bulletin)

PUGET SOUND COUNCIL OF AMATEUR RADIO CLUBS...continued

The FCC wants to know any clubs--addresses--costs--time, etc. which are giving Novice classes. The FCC is getting a lot of requests for Novice classes. The Bears will give a demonstration of Ham Radio to CBers July 26th, 1-5 PM at the SE corner of the Kent Space Center. WARTS, Country Cousins, and Noontime Net Picnic to be held July 9, 10, and 11 at Miller Sylvania State Park. The National ARRL Convention will be held at Denver on July 16, 17 and 18.

Lew WA7ELI

REPEATER NEWS

WR7ACA...28/88

The Seattle repeater is now on Green Mountain, about 8 miles west of Bremerton, and is providing the Puget Sound area with another wide coverage repeater. Mobiles in Vancouver, B.C. and east of Snoqualmie Summit have been heard on the air.

WR7ABU...52.63/53.63

This NEW 6 meter repeater is the brainchild of Mark WA7RYQ and will be located northeast of Seattle in the Bothell area and will be an OPEN repeater. Mark tells us the heart of the critter is a Motorola HT 200 HT driving an amplifier...making the machine all solid state. In the antenna system Varden cavities will be used. Helping with the project have been WA7SLO and WA7TGS. Look for this repeater (6 meter machine number 5 in our area) to be on the air sometime in August.

WR7AID...

Watch for happenings...this is the newest of the repeater calls in the area and belongs to Bob WA7OIF.

WR7AGS...449.7/444.7

This "450" machine has been on the air for a while now. It has about 14 users and provides 450 MHz coverage of the central area of Seattle from its location on the roof of Queen Anne High School on Queen Hill. Denny WA7TQS tells us that it's an open machine using GE Prog Line equipment, Phelps Dodge duplexer, and a Cush Craft 4 pole antenna.

WR7USA...146.16/146.76

This repeater will be located on Capitol Peak. The machine belongs to Keith W7DXX and will be an open tone-access repeater using 4 element Cush Craft yagis and relatively low power in order to protect the Astoria, Oregon co-channel operation.

Several inquiries have been made as to donations to the existing 6 meter repeater WR7ACU/7. This repeater is being funded by WA7WMC, WA7WMD, and WA7WKT. For those interested in donating, please send your donation to Jon W7FHZ. These donations will go towards the new Squawk Mt. machine (WR7ABP) that Jon and Pete K7IPQ are building. I'm sure they will appreciate your help. When completed this repeater will replace the WR7ACU/7 machine.

Clay WA7WMC

ACTIVITIES MANAGER'S REPORT

Some Calendar Events you might consider....activities depend on YOU!

July 6--Social Dinner at the East Valley Roadhouse, 19611 East Valley Highway, 2 miles north of Kent. Cost \$3.15 per adult and 20¢ per year for harmonics. Start the festivities around 6 PM. Yawl come!!

July 17--M&K ARC Board Meeting. O'Brien's Turkey House, 7:30 AM. Good chow and everyone invited. 17794 Southcenter Parkway about a mile south of Southcenter.

July 17--M&K General Membership Meeting. Good Neighbor Center, 305 S. 43rd across from the Valley General Hospital. 10 AM and bring a guest plus a new ham.

Aug. 15--M&K Annual Picnic. Location unknown. WA7TBP is chairman and will QSO if you call him at Redmond 883-2775 or get him on WR7ACS 2M repeater for details.

July 31-- SeaFair. K7YRQ in charge of Amateur Communications. Will appreciate help if you can QSO Ken direct for details.

Sept. 18-19--Sea Fair Salmon Derby. K7WTG in charge of communications. Contact Pete and offer your services...he'll appreciate them.

Dec. 4--M&K Annual Christmas Dinner, Dance and Social. McMicken Heights Clubhouse. K7PZX arranging accommodations and will publish details later.

Mid-December--"Santa Talks" with WA7LWP in charge. Al will advise us later as to requirements and details.

Activities depend on YOU--and YOU--and YOU! Will try to get some technical films and material from General Tel. Co., Pacific Tel and American Tel to show at M&K Activities meetings. I assure you they won't be an insult on your intelligence. I have several contacts for these.

Also--will be setting up for some field trips to assorted communications facilities in the Puget Sound area. When announced I hope you'll be there.

K7YRQ is arranging for K7DWE from Bremerton to put on his Satellite show for M&K. At present we're negotiating for dates and details. Keep loose!!

Lil' John offered to set up for hidden transmitter hunts under M&K sponsorship. Will be advising Yawl as soon as we get the word. You might check out your loop and sharpen your ear lobes ala Dr. Spock. Karon P. (K7IPQ Management and Supervision), Jan Hedberg, Kathy Freinwald, and several others will be arranging for a "Ladies Activity" What, where, and so forth is up to them but they're going to "ring a gong" somewhere. Stand clear!!

Asked at the membership meeting if there was sufficient interest for M&K to arrange for a date at the Cirque Dinner Theatre in the near future. Several hands went up and it looks like we'll have activity here. Prices run from \$9.50 upward depending on the star and the day of the week. Excellent food and always a good show. Eve Arden starts on 13 July thru 5 Sept. Jose Ferrer follows. Call me at 226-4222 if you are interested in a M&K party at the Cirque.

Also--if you have ideas for activities that you'd like to see the club sponsor, please give me a call--I'm open for YOUR suggestions.

SIX METER OPERATION SOUTH TO L.A.

Now that we are semi-settled in our new home, I can pass along the findings on our trip south for those of you who may make the trip yourself.

Operating six through repeaters quit about Longview, Wa. with WR7ABO (Capitol Peak) being the last. WR7AHO/7 was last heard from just south of Chehalis, Wa. From then on it was dead through Oregon and Northern California. Making occasional calls on 53.290 and 52.525 MHZ simplex produced nothing. The calls were made in and around major metropolitan areas.

First contact made was about 20 miles north of Vacaville, Ca. on 52.525 MHZ simplex with WA6TLW. Little did we know that this was quite an elaborate system. The Vacaville repeater was not operating as published in the ARRL Repeater Guide. Input was on a 450 MHZ up-link with output on 52.525 MHZ. QSOing with WA6TLW, he described a very sophisticated system using tones to link-up repeaters on 450 MHZ with outputs at various cities on 52.525 MHZ. Basically, though, the group is 450/220 MHZ with only occasional 52.525 MHZ down-links where UHF will not cover a given area. If you wish to QSO anywhere in the Vacaville (40 mi. north of San Francisco) or San Francisco bay area just transmit on 52.525 MHZ simplex and you will be heard and answered.

Next active area is the Los Angeles basin area (the LA complex) which is served by two repeaters on 6 FM, WR6AAK (carrier access) 52.760/52.525 MHZ and WR6ADP (carrier access) 53.380/53.720 MHZ. The operators here are kind of a select group, about 25 or so, and are very interested in 6 meter operation in other areas. We have been filling them with info and they are generally quite surprised at the activity in the Seattle area. The general simplex frequency here is 52.525 MHZ...that way you can hear the repeater and yet not clobber repeater ops on the input frequency. We have talked to mobiles in the San Diego and El Cajon areas full quieting into the Los Angeles machine which is about 100 miles away. Of course, we are arm chair copy here in Carson, Ca. The machine is about 18 miles away from us.

We haven't operated WR6ADP--just listened to it. Will write more info later concerning our shipboard operations. Till then we will be monitoring WR6AAK at the home QTH. Give us a call and drop by if in the area.

--73--

Dennis & Donna
K7DCG/6--WB7DYR/6

DON'T FORGET....M&K SOCIAL DINNER....JULY 6....EAST VALLEY ROADHOUSE

SWAP AND SHOP

FOR SALE: New BEARCAT-101 programmable, 16 channel scanner....\$290
HEATHKIT HW202 2 meter transceiver, 10 watts with 6 sets
of crystals: 52/52, 76/76, 04/64, 28/88, 22/82, 19/79.
\$160.
GE PROGRESS LINE 6 meter, 2 frequency, 30 watts. Working
on 53.290/53.290 and 52.70/53.16. \$65.
Denny WA7TQS---523-9448

FOR SALE: Case for Standard Handie Talkie---WA7YIG

WANTED: 2 Drawer File Cabinet. Also, need drawings to add FM to
Heathkit 6M Shawnee. W7JIE---226-4222

FOR SALE: HEATH HW-12A 75 meter transceiver with Heath AC supply.
Wired perfectly.
15 Gallon All Glass Fish Tank with wrought iron stand.
Includes large box of accessories...several pumps...gravel...
heaters...all you need for tropical fish. WA7WMC--584-2988

SEAFAIR PARADE COMMUNICATIONS

Help is needed in providing communications for 5 Seafair parades on
the following dates:

July 31--Torchlight Parade....Downtown.

Aug. 3---Greenwood Parade.....Greenwood District

Aug. 5---Kiddies' Parade.....U District

Aug. 6---Lake City Parade.....Lake City

Aug. 7---China Town

Anyone who is interested in helping, contact Ken Rau, K7YRQ.

FIELD DAY 1976

Had a great turnout for Field Day...about 60 members plus many others
for a total of about 70 people at the site. All had fun, and worked
hard, too.

Jay's (K7BNN) well-drilling rig had to really be a back saver. That
thing worked great for putting-up and taking-down towers.

Our total score looks good...it's up from last year, though not a
whole bunch. Had a few problems, but nothing we can't iron out before
next year. In general, things were great.

My thanks to everybody for all the effort put into "keeping the rate
up". It's kind of hard to do at 4:00 AM Sunday when you haven't
been to bed yet. The duping worked out great...our total % of dupes
is way down on the bands that I have reduped so far.

I was very pleased with the weather and the ten meter openings. The
bugs, dust, and pollen were tough on some people. I hope you all get
over that quick.

FIELD DAY 1976.....continued

I especially want to thank the people who went to a lot of work with their bands, yet didn't get to operate much because of band conditions and other problems. And a thank you to all for putting up with me Sunday AM...it had been a long night.

Had lots of thoughtful people who picked up forgotten items Friday PM before they came over, so we got by with no mad dashes to the mainland.

So thanks to all for the hard work and sorry to anyone I may have stepped on. I think all went great, considering the size of the group.

Think FIELD DAY 1977!!

Kathy K7LED/?

SHORT BURSTS

Field Day did happen and it happened to a lot of people. Wonder what dust does to improve the taste of steak...better yet, what did it do to your beer and pancakes, Les? Understand Rex unplugged the wrong box and got zapped...and he didn't even wake up Les. Want help in labeling those things, Ken? Had one person operating the "Contact Contest" over the weekend. Unfortunately, his rate dropped when he changed contests. How many people keep beer in their sleeping bag for that final Slurp? Should have a contest for the best P. D. phone-etics for K7LED...heard some pretty good ones recently, didn't we, Pete? Understand 20 phone worked California without a microphone, didn't they, Harry? And speaking of 20 phone, do you guys know how to put up your antenna now? Wonder what it would take to get Nancy to cook for everybody...she took on a large crowd this year and really turned out the food. Jason thinks Chris is too skinny...he's forever yelling, "Da Da eat". WA7KBBK has a new Wilson HT. Sounds great on one watt into ACS. This is short, but I still haven't recovered from the weekend, folks...

HF PROPAGATION FORECAST

June 28-July 13....Old Sol is still refusing to liven up the ionosphere with flare activity and hope is fading fast for fireworks in time to celebrate the fourth. We are certainly hanging in the depths of the sunspot minimum, but the longer we go without activity the more we're likely to have a real "Whiz Bang!"

Continued solar doldrums notwithstanding, summertime conditions on the middle HF bands continue excellent and should stay that way as we start down from the summer solstice. The slow slide may not be all as smooth as we'd like, however, with polar disturbances expected July 1, 2, 4, and 8-13 with the latter period varying in intensity day by day. Otherwise, expect conditions to be much as they have been in recent weeks.

HR Report

DON'T FORGET....NEXT REGULAR BUSINESS MEETING...JULY 17...SEE YOU THERE