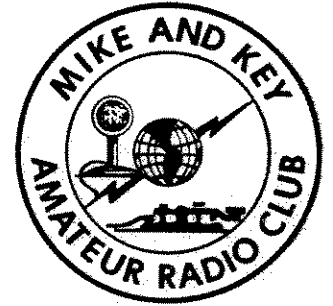
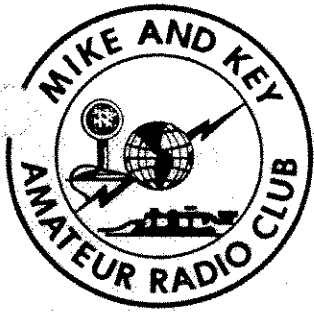


# K7LED RELAY



The K7LED RELAY is the Official Publication of the MIKE and KEY AMATEUR RADIO CLUB, P.O. Box 2121, Kirkland, Wa 98083-2121. The club meets the third Saturday of each month at 9:30 AM in "The Good Neighbor Center", 305 S. 43rd St., Renton, WA. All "HAMS" invited. The Mike & Key Net meets each Wednesday evening at 1930 hrs on 224.12 and 146.82-22 Mhz. The repeaters are linked. Your Check-in is welcome.

AN ARRL AFFILIATED CLUB LOCATED NEAR SEATTLE, WASHINGTON

VOLUME 16

DECEMBER 1988

NUMBER 12

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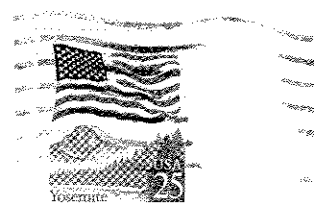
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RELAY DEADLINE 3 JANUARY 1989



**REPEATER FREQUENCY**

52.05 - 53.05  
146.22 - 146.82  
224.12

First Class

## BOARD MEETING

FIRST TUESDAY  
OF EACH MONTH

## CLUB MEETS:

17 DECEMBER 1988

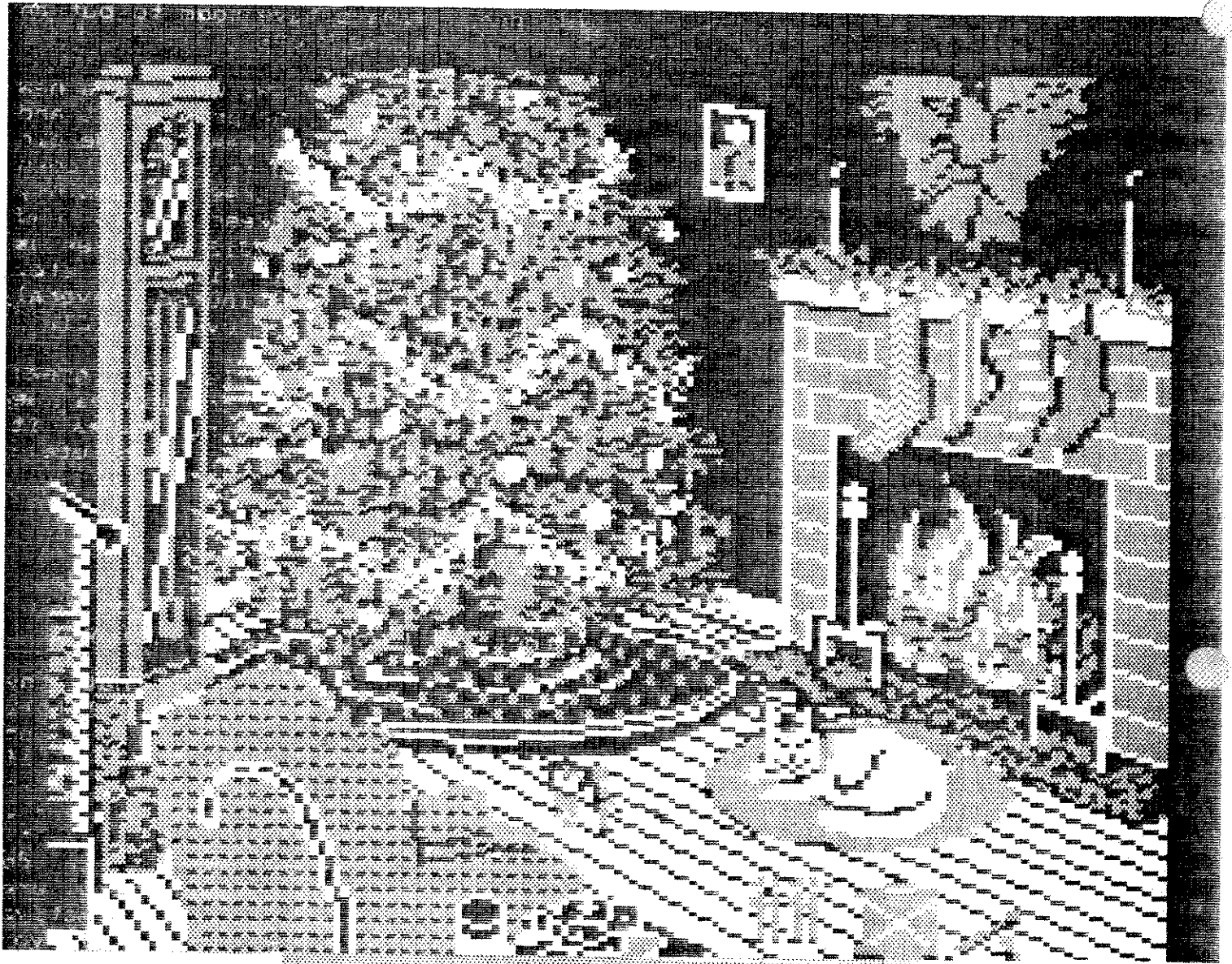
RENTON 10:00

UGN CENTER

HEDBERG, PETE K7WTS  
20904 NE 77TH ST  
REDMOND  
WA 98053

BREAKFAST: 0730  
AT MITZEL'S IN KENT

COFFEE AND DONUTS WILL BE READY AT 0930



**HAPPY HOLIDAYS**

Wishes from the Key Club

**MERRY CHRISTMAS**

**SAFE AND HAPPY NEW YEAR**

**MIKE AND KEY CLUB**

DE THE PREZ.....

I want to take this opportunity to thank each of the members that donated to the turkeys for the boys the Griffen Home this last meeting. A total of eighty six dollars was given and this was enough to provide six turkeys and all the trimmings for their Thanksgiving dinner. Thank you ona and all!!!!!! So far this year we have given almost seven hundred pounds of food and I hope that by the next meeting we will have gone over our goal of one thousand pounds for 1988.

Our 1988 Christmas party was a very nice event. The members that attended donated quite a few nice toys that are now on their way to finding good homes with needy children. Thank-you all for your generous donations.

Boy, are we growing!!!! Well, - - we have grown so much that we are in real need of a new place to meet. Do you have any ideas for a meeting place? If so, please contact anyone on the Board with the details as we must get a place soon. Until we do, we must only allow the first sixty five to come through the doors, then all the rest are in the hall. Sorry, but that is the way it has to be to meet the fire codes of the county.

If you have ordered a Mike and Key hat, please get them from Ray WA7EKH as soon as possible. We want to get these settled before we order again.

Elections are coming!!!! Have you selected your candidate yet?? If not, now is the time to get your nominations into the board members for entrance on the ballot -- DON'T DELAY!!!

March, 1989 is the next Mike & Key Flea Market -- Have you signed up yet?? See Hal N7NW for details.

And last, but not least, is the April Awards Banquet. April 1, 1989 --- put it on your calender now so thatyou wont't forget.

Rick NU7Z

de the Editor.....

Just a few lines to let you know that I really do exist. Thank goodness for the many contributors, I don't always have room to put an article in the RELAY.

Thanks to Ray WA7EKH, we have a new cover, actually, he printed it and yours truly cut and pasted. He did the hard part and it sure looks better. Ray also does the monthly calender, the address labels and the rosters. Gib W7JIE supplies us with many articles, fillers, etc. This month he contributed several articles he received over PACKET.

Mike WA7UVJ is also a great contributor. The rare issues he does not send something makes it seem like the issue is incomplete.

Vic WB7TBR also sends articles and information, as well as, Paul N7DIP and Rick NU7Z. And....Don't forget the printer, Vern W7ZLW. There are many more of you who are contributors and I appreciate all of you.

I just want you to know that the RELAY is not just my little project. There are many members on this team and I thank-you all. If someone wants an article put in that is in WORLD RADIO or ARRL, just let me know and I'll do it. There are alot of members who do not get either one and there are articles that would be informative to the entire membership. If you want something reprinted from a magazine, you must get permission from the publisher of that magazine in writing for that particular article before it can be reprinted. Thoroughly confused??? Any questions, call me. Joyce N7JPW

BUDDAY WHILE CONTEMPLATING HIS NAVAL,  
REPORTEDLY SAID, "THIS BEATS THE HECK  
OUT OF DAYTIME T.V.!!!"

MINUTES GENERAL MEETING 11-19-88  
 Opened by NU7Z 10:00. AM  
 K7PHZ was the Greeter Team.  
 New members voted in: N7IVR, KB7FLY,  
 N7IHS, KA7MCH, Wayne Joslin (no call  
 yet).  
 Hats were available for \$6.92.  
 Mike KA7CSE collected the K200 logs.  
 We must decide what kind of  
 QSL cards we are going to send.  
 K7YR noted that K7LED address is  
 wrong in the call book.  
 NU7Z reported the Club bought 120#s  
 of turkey for the Boys Home.  
 Also collected another \$78.00  
 for food for the Boys Home.  
 W7VIH is going to make a  
 delivery today.  
 NU7Z noted a food drive on Dec. 10.  
 Our 2M repeater will be used to  
 coordinate. (see November Relay  
 for details).  
 KB7ZS reported initial planning for  
 Field Day.  
 NU7Z reminded the group of the Work  
 Party (picnic) at Fort Flagler  
 last of April (no date set yet).  
 The Long Range Plan was published in  
 the November Relay and members  
 were ask to provide comments.  
 Christmas Party at the Ballard Eagles  
 on December 3. Sign up sheet  
 was passed around.  
 WM7A presented a US flag to the Club  
 which was donated by XYL of  
 N7C00.  
 K7YR talked of a Maritime Musium on  
 the cruiser Oklahoma City and  
 the possibility of a Ham station  
 on board. A lot of details are  
 being worked.  
 K6DOW reported on several Public  
 Service events comming up.  
 The Public Service Net is now  
 up and running at 7:00 PM each  
 Thursday on 146.82.  
 The Executive Board is investigating  
 ways and means of publishing  
 the yellow King County Amateur  
 Information booklet.

W7JIE said the Good Will Games will  
 need radio operators, good  
 opportunity for Hams. He also  
 mentioned a Computer Swap at  
 the Kent Commons on 11-27-88.  
 K7PHZ stated that the January meeting  
 will be a NON business meeting.  
 We will have informal technical  
 sessions  
 K7PHZ collected .25 cents from each  
 member NOT wearing an ID badge.  
 The money goes into the ladies  
 gift fund for the Awards Banquet.  
 K7YR gave a brief repeater report and  
 stated a short delay is necessary  
 when accessing the 2M link via  
 220.  
 de WB7TBR for N7JPN

AMATEUR EXAMS---EXAMS---EXAMS  
 Monthly; 1st Saturday: North Seattle  
 Community College; 10:00AM.  
 Walk-ins OK. Info: Harry W7JWJ  
 523-9117

Monthly; 2nd Saturday: Tukwila,  
 Riverside Inn; 9:30 AM. Walk-ins  
 OK. Info: Harry W7JWJ 523-9117

Monthly; 2nd Saturday: Everett,  
 First Presbyterian Church; Walk-ins  
 OK. Info: Loren KK7M 355-2141

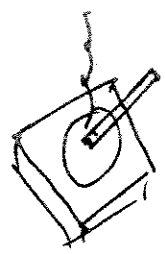
Monthly; 3rd Saturday: Renton,  
 The Good Neighbor Center; 1:00 PM.  
 Walk-ins OK. Info: Mike WA7UVJ  
 854-4031

Monthly; 4th Saturday: Bremerton,  
 Methodist Church (Marine Drive &  
 Kitsap Way). Info: Ed Reinke  
 871-4020

Quarterly: (actual date varies):  
 Radio Club of Tacoma. Info: Jerry  
 W7BUN 845-7652

If you know of an Exam not listed  
 PLEASE give me the details.  
 de Vic WB7TBR 824-2098

**THANKS** for **NOT SMOKING** during our club  
 meetings. You have done a wonderful job, don't think there  
 has been even one slip-up.



NOW come the shocker, if we (the ones of us who don't smoke)  
 would ask that you please **NOT SMOKE**  
 during the Breakfast, would that be too much to ask. There  
 are one or two of us who just get "ripped-up" on tobacco smoke  
 and we would sure like to continue to come to the breakfast.  
 Thanks for your kind consideration. See you at Breakfast.

# MIKE AND KEY ARC NET PREAMBLE

US1---US1---US1

This is (your call) with the MIKE and KEY amateur radio club net. This net meets every wednesday at 7:30 PM, here on the K7LEB 220 and 2 meter club repeaters. This is a controlled net. Please break with your call sign only. All club member and visitor stations are welcome to check-in. There is a swap-n-shop. 2 items for sale or want. 2 items only and please no prices.

....(note.pause here and let repeater drop out)

The MIKE and KEY amateur radio club meets on the third saturday of every month at the UNITED GOOD NEIGHBOR CENTER across from the VALLEY MEDICAL CENTER in renton. From highway 167 take exit 43 or the South 180TH ST exit. All members and visitors are welcome. and the doors open at 9:30 AM. VE testing takes place at 1:00PM following the club meeting. There is also a breakfast the morning of the club meeting at MITZELLS' restraurant in KENI. Try to be there between 7:30 and 8:00 AM.

....(drop out here again)

This is (your call) and my name is (your name) and I am this evenings net control station for the MIKE and KEY AMATEUR RADIO CLUB NET. I will now take check-ins for:

1. PORTABLE OR EMERGENCY POWER STATIONS
2. MOBILE STATIONS
3. US1s OR ANNOUNCEMENTS

I will now take check-ins from members or visiting stations with call signs ending:

	2 meters	220
ALFA thru FUXTROI		
GOLF thru PORTUGAL		
QUEBEC thru ZULU		

ask for late or missed check-ins

run through check-ins station by station, starting with mobiles first

run WESTLINK if available from WA7UVJ

ask if anybody has any further buisness for the net?

Hearing nothing this is (your call) now closing the MIKE and KEY CLUB NET for this week. Thank-you for you participation. 73's and see you next week. This is (your call) clear...

## THE "FREEBANDS"

by Jim Jackson. WA6DDM

Like many of you, one of my enjoyments is listening to the shortwave bands. In fact, like so many other Amateur Radio operators, I began my "career" as a S.W.L. (Short Wave Listener). The many hours I have spent tuning across the bands have been enjoyable and educational. Many times, I got the latest news at the same time the wire services did.

You can imagine my surprise one afternoon when I was tuning my R-1000 across the band ends at 27.405 Mhz. and the Amateur bands begin at 28.000 Mhz., so I was wondering who was transmitting on 27.700 Mhz? While listening to a conversation, I thought I was monitoring an Amateur Radio QSO. "Q" signals were used, the verbiage was understandable, and no one sounded like they were speaking like a truck driver. In fact, the conversation I chanced upon concerned DX and "E" layer skip. I, therefore, thought I was listening to a harmonic of a 10 meter Ham QSO. As I tuned across the band, it appeared that every 3-4 Khz, there was a QSO in progress.

Later on, I accessed the W6PW BBS on packet and happened across an interesting article concerning what I was previously listening to. It seems that the frequencies between 27.405 and 27.995 have become, in C.B. jargon, "Freebands". This is an area that has been, for the most part, unused even though the frequencies are assigned to the mobile commercial radio service. (Note: it is illegal to operate C.B. equipment on these frequencies).

Uniden, a manufacturer of Citizen Band radios, currently markets a PLL synthesized radio for the C.B. bands that can easily be modified for the "Freeband" frequencies. In fact, Uniden sells the radio and packs inside the shipping case a copy of "Monitor Times" that details how to convert the radio so it will cover the "Freeband"

area as well as 10 meters! The general consensus is "The FCC will never catch us and, after all, we can do as we please".

A little history lesson: C.B. began as a "quasi" commercial band. It was to be used by small businesses for the purpose of mobile communications. In this way, a lot of small businesses didn't have to petition the F.C.C. for private frequency. Shortly, because of much "illegal" use, the F.C.C. reversed itself and called the C.B. bands a "hobby" band (duplicating one of the purposes and reasons for Amateur Radio). A majority of the people who screamed the loudest favoring the creation of the C.B. "hobbyist" band were the ones who couldn't pass the Amateur Radio exams. So, the F.C.C., under public pressure and, mainly manufacturer's pressure, created the hobbyist C.B. bands. This proves the impotence of the F.C.C. in being able to enforce its'rules.

Its too bad that these "Freebanders" don't get a Ham license. I listened to their operating and they were as good, if not better, than most Hams when it came to operating practices and verbiage! Its too bad someone doesn't tell them that they can even have more fun if they just join Amateur Radio. Everyone decries the doom of Amateur Radio if the Amateur population doesn't swell. The "Freebooters" may be an 'untapped' resource. One of the negative spinoffs of "Free banders" lies in the fact that they are converting radios to uses that are not "type accepted". This may mean T.V.I., whom do you thing they are going to blame? Do you really think these "Freebander" 'Anarchists' are actually running five watts? Do you think they even know how to use a lopass filter? (I heard one fellow from Alabama bragging he was running a KW to a 7 element monobander beam! Figure out THAT E.R.P.!)

A possible future speech by F.C.C. (?): "Congratulations fellows; you did a good job during that

emergency and you saved many lives. You upheld the good operating practices of Amateur Radio and are a credit to the service. Meanwhile, we are taking away 10 meters and giving it to a bunch of bootleggers and 'freebanders' because the C.E. Manufacturer's Association told us to do so. Also, United Parcel Service needs the rest of 220 Mhz, so kiss that good-bye. But keep up the good work and we support you.....!" de Jim WA6DDN @ W6FW

**RADIO CLASSES---CLASSES---CLASSES  
CONFIRMED--**

**TECHNICIAN; GENERAL:** DesMoines, Highline Community College: Jan. 12, 7:00 to 9:00 PM. To register call 878-3701. Info: Mike WA7UVJ 854-4031

**NOVICE; TECHNICIAN; GENERAL:** North Seattle Community College: Jan. 10, Tues & Thurs 7:00 to 9:00 PM; Info: Harry W7JWJ 523-9117

**ADVANCED; EXTRA:** North Seattle Community College: Jan. 14, 21, 28, 8:00 AM to 4:30 PM (8 hours each day) Review Feb. 4th before Exam. Info: Harry W7JWJ 523-9117

**NOVICE; TECHNICIAN:** American Red Cross Headquarters: Jan. 18, 7:00 to 9:30 PM. To register call 323-2345. Info: Gene W7AKA 226-4115

**NOVICE; TECHNICIAN:** Renton Vocational Technical Institute: Jan. 10, 7:00 to 9:00 PM: Mail-in or Personal registration. Info: 235-2352 or Pete KC7TD 631-6772

**UN-CONFIRMED-**

**Radio Club of Tacoma:** Routinely offers wide variety of classes. For info call Angela KC7EQ 584-2228 or Jerry W7BUN 845-7652

**NOVICE; TECHNICIAN:** ICOM in Bellevue: Info call Harry W7JWJ 523-9117

**NOVICE; TECHNICIAN:** Seattle Yatch Club: Into call Harry W7JWJ 523-9117

If you know of a class not listed, PLEASE give me the details.  
de Vic WB7TBR 824-2098

QST DE WIAW  
HR ARRL BULLETIN NR 141 ARLB141  
FROM ARRL HEADQUARTERS  
NEWINGTON, CT. NOVEMBER 30, 1988  
TO ALL RADIO AMATEURS BT

The ARRL has filed its own substitute rewrite of the Amateur rules in response to the FCC proposal in Docket 88 139. The ARRL rewrite was produced by the part 97 rewrite working group consisting of several headquarters staff and group members from the ARRL Board of Directors. This working group reviewed every line of the FCC proposal and also solicited input from the membership to produce the ARRL rewrite. The ARRL approach to the part 97 rewrite was to restate the existing rules in the most unambiguous and least restrictive fashion, consistent with the scheme of Federal regulations. Copies of the ARRL rewrite, together with our comments on the FCC proposal, are available from the regulatory information department for an 8 by 10 inch SASE containing 6 units first class postage.

**CHRISTMAS PARTY 1988**

The M&K annual Christmas Party was held on December 3 at the Ballard Eagles. The food was very delicious, the company was wonderful and the facilities were great. The ham was superb!!! Did you cook that Hal, or did Annie? Those of you who did not attend missed a nice gathering. We had lots of room and lots of time to visit with old friends and meet some new ones.

Thanks go to several, but especially to Hal N7NW who was in charge of the function, to Pat W7VIH who was our private bartender and donated his time for the open bar upstairs in our banquet room. He also reserved several tables for us downstairs right next to the dance floor. About 8 of us (including Darci Dobie) sat around and visited with a few of us trying our luck on the dance floor. The music was good and was low enough that you could visit with friends without shouting. We also enjoyed watching many of the couples ballroom dancing. A fun evening!!  
N7JPN



+++MORE POT STIRRING++

Well my little POT STIRRING of last month created a few returns! Several folks commented on the article but one question was raised and that was "What can we do about it?"

Is this a possible answer?

Article II of the M&K Constitution defines the PURPOSE of this club. I will briefly quote those purposes for those who may have forgotten them:

1. Exchange technical information.
2. Expand cooperation between members and non-members.
3. Promote radio & electronic knowledge. (Now there's a tiger!)
4. Expand operating abilities and efficiency of individuals. (Where have we heard this before?)
5. Promote the hobby to public and community.
6. Direct club general activity toward public service amateur radio communications.

That's the total list. No reference to anything else! Just plain ham radio stuff.

Does this mean we are built on high ideals and practicing the easy way out?? Have we forgotten our club's basic purpose? Are our efforts misdirected? Perhaps we should step back and take a look at what we are doing.

Instead of "quarterly" semi-technical meetings, why not have every meeting contain a technical element? What is so hard about such an idea?

Perhaps it is difficult to "find" a good technical moderator for such a meeting. To moderate that kind of program would take someone who is willing to put his ego, technical knowledge, experience, and even license grade on the line. Be willing to stand up against differing opinions and face the fire of those who disagree.

**BUT IT CAN BE DONE!!** We don't need to turn the meeting into an arm-wrestling exercise--just some plain common ordinary ham knowledge will do wonders for the many hams who thirst for education.

As an example--never say 73's. And for gosh sakes never use 73 on

the voice frequencies. Say "Best Regards". Notice that 73 is plural. That's why 73's is ungood english and ain't not used. At all. Ever. At no time!!

Yers--W7JIE.

(GIB)

REPORT ON THE WOODPECKER SIGNAL  
By James T. Beckham  
FCC Field Operations Bureau  
(de the ANARC Newsletter, 10/88)

The Federal Communications Commission's high frequency network collected data concerning "Woodpecker" radio transmissions during a one week period beginning August 14, 1988. All thirteen FCC Monitoring Stations participated. Over 400 observations of the "Woodpecker" signal were recorded.

Our findings are: 1) The pulse rate remains at 11 to 11.5 pulses per second; 2) The pulse width remains at 4 milliseconds; 3) The lowest confirmed frequency was 7 MHz and the highest 19 MHz; 4) the lowest confirmed bandwidth was 2 kHz and the highest 800 kHz; 5) the most occupied bands appeared to be 10.5 to 11.0, 12.2 to 13.0 and 16.0 to 17.0 MHz; 6) the least occupied bands appeared to be 9.7 to 10.5, 11.0 to 12.2, and 13.0 to 15.0 MHz; 7) the bandwidth mean was 150 KHz, the median 75 KHz, and with a standard deviation of 207 KHz; 8) the air time of a signal was, as a minimum, 7.7 minutes for the mean, 3.0 minutes for median and with a standard deviation of 12.3 minutes; 9) all of the transmissions originated from a single location that we fixed at coordinates 51 degrees 24 minutes North by 137 degrees 42 minutes East near the city of Komsomolsk in the USSR.

These observations are essentially in agreement with the findings of monitoring we conducted February 23 through March 1, 1986. This appears to be the permanent pattern of operation of the "Woodpecker".

Questions or comments should be directed to James Beckham at 202-632-6977.



CLUB MEETINGS--SCHEDULED DAYS.

1ST WEEK OF MONTH:

WEST SEATTLE ARC  
PUGET SOUND REPEATER GRP  
ISSAQUAH ARC  
U OF W ARC  
SEATTLE ARS  
BEARS  
SNO-KING REPEATER GRP

1ST MONDAY 7PM  
EVERY MONDAY 7:30PM ON 146.96 REPEATER  
1ST THURSDAY 7:30PM  
EVERY THURSDAY 7:30PM  
1ST FRIDAY 7:30PM  
1ST SATURDAY 10AM  
EVERY OTHER SATURDAY (CALL 362-3240 FOR DATE)

2ND WEEK OF MONTH:

PUGET SOUND REPEATER GRP  
WESTERN WASHINGTON DXC  
U OF W ARC  
TELEPHONE PIONEERS  
SEA-TAC REPEATER GROUP

MONDAY 7:30PM ON 146.96 REPEATER  
TUESDAY 7:30PM  
THURSDAY 7:30PM  
THURSDAY 12NOON  
SATURDAY 8AM

3RD WEEK OF MONTH:

PUGET SOUND REPEATER GRP  
WASHON ISLAND ARC  
NORTH SEATTLE ARC  
PARS  
U OF W ARC  
MIKE & KEV ARC

MONDAY 7:30PM ON 146.96 REPEATER  
MONDAY 7:30PM  
TUESDAY 7:30PM  
THURSDAY 7:30PM  
THURSDAY 7:30PM  
SATURDAY 10AM

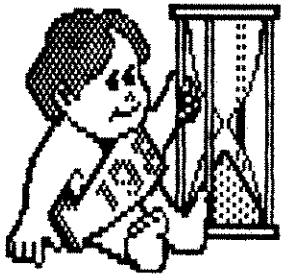
4TH WEEK OF MONTH:

PUGET SOUND REPEATER GRP  
AUBURN ARC  
WUATVS  
U OF W ARC

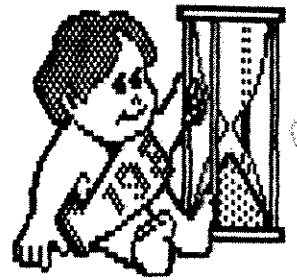
MONDAY 7:30PM ON 146.96 REPEATER  
MONDAY 7:30PM  
TUESDAY 7:30PM  
THURSDAY 7:30PM

AS OF 1ST EDITION 20NOV88--W7JIE...

RELAY DEADLINE 3 JANUARY 1989



# JANUARY 1989



S M T W T F S

1  NEW YEAR'S DAY	2	3 BOARD MEETING AT QTH OF: <i>K7PHZ</i> <i>1930</i>	4  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING	5	6	7
8	9	10	11  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING	12	13	14
15	16  MARTIN LUTHER KING JR. DAY	17 ! GET NEWS PAPERS FROM NEIGHBOURS	18  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING	19  CONFEDERATE HEROES' DAY (ROBERT E. LEE DAY)	20 →	21 ★ ATTEND YOUR CLUB MEETING COFFEE AT 0930 BRING A FRIEND
22	23	24	25  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING	26	27	28
29	30 SEE YOU'ALL	31  NEXT MONTH				

HAPPY NEW YEAR

M & K ARC de Field Day Committee '89

Six months and a few days from the time you read this, Field Day '89 will be over. It is some time down the road, but with all the things going on with the Club, between now and then, it is not too early to start planning. The past 2 years we have placed 3rd, when an additional thousand points would have moved us well into first place. In this light it is felt that we are missing the boat in not getting started at 11 AM. This is the year to prove it. Operations, fun and excitement, will start at 11:00 Saturday June 24, 1989.  
BE THERE, BE READY OR BE LEFT OUT.

At this time we have band chairman for 15ph, 20ph, 75ph and 160 meters. The earlier chairmen volunteer, for the other bands, the easier it will be to arrange operators, equipment, etc. Just a reminder - the band chairman must arrange all matters concerning that particular station. This includes, but is not limited to: Operators/Loggers and their schedules, towers, antenna, coax, radios, chairs, tents, and other items included on the FD check off list. There is a great deal of experience out there waiting to help so start thinking about it.

Due to lessons learned last year the following procedures for camping & barracks space will apply: A "Wagon Master" will volunteer, or be appointed, to collect fees and generally be "in charge" of that operation. The 1988 fee was \$4.50 and if there are changes for 1989 you will be notified. In regard to the barracks, after the reservations are in, that group will elect a barracks "chief", from their group, to be in charge, direct clean up, etc. and notify the Treasurer when ready to vacate the barracks. The BARRACKS FEE must be enclosed with the reservation form.

Thanks,

Jack, KB7ZS

It is requested that reservations be returned as soon as possible.

\* \* \* \* \*                      TEAR OFF AND MAIL TO:                      \* \* \* \* \*

Mike & Key Field Day - 1989  
P.O. Box 2121  
Kirkland, Wa. 98083-2121

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Call: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

WAGON WHEEL RESERVATION  
(1) Camping unit = vehicle and tent or trailer, or motorhome.  
Eight people maximum per unit.

TENT \_\_\_\_\_ TRAILER \_\_\_\_\_ MOTORHOME \_\_\_\_\_ ADDITIONAL VEHICLE \_\_\_\_\_.

BARRACKS RESERVATIONS - #101 (10) & #102 (15), Total 25 spaces.  
(1) FEE: \$8.00 (covers noon Friday to noon Sunday)  
(Make check payable to: Mike & Key ARC)

Spaces requested \_\_\_\_\_ X \$8.00.                      Total enclosed \$ \_\_\_\_\_.

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