R71h owners take note! Here are some ideas for your receiver, gathered irom va: ious sour:es:

TRICK!NG THE R71h TO TUNE BF'OU inn KHZ. Ibas receiver :s designed for VLi reception down to about 97 khz . The tollowing steps will coniuse the microproceisut sufficieativ to permit ieseption town :0 0.0 kbz' (A Vavetek 180 sweep functicn
generator was used to verify that the R71A indeed tunes below 100 kbz .)

1. If all 32 memory channels contain frequencies, use the FUHC and CLEAR buttons to clear a memory channel.
2. Place VFO-M switch into the $K$ (memory) position.
3. Using all the manual dexterity you can muster, rock the Main Tuning knob back and forth, while simultaneously rocking the MEMORY-CH rotary control to switch between a memory channel with a frequency in it and a clear memory channel. Continue rocking both the controls until a frequency of 0.000 .0 appears on the digital display.
4. Depress the VRITE button. this stores the 0.000 Mhz frequency in a memory channel. You can now rotate the Kain Tuning knob clockwise to tune up from 0.000 Khz to the frequency you want. Be careful! if you rotate the Main Tuning knob counterclockwise, the radio will immediately revert to 29.999 Mhz .
5. To tune below 100 Khz in the future, just recall the 0.000 Khz frequency fron the memory channel and use the tuning knob to tune upward.

RESUNE SCAH FUNCTIOI. For the "Resume Scan" function to operate as described on Pg. 13-14 of the R71A Manual, the "Scan Stop" function switch (fig. 7-3, Pg. 20) must be in the "timer on" position. As shipped fron the factory, this swith is in tbe wrong position.

CV MODF. If either the FL-32 or FL-63 CV filter is installed in the R7iA, the filter switch (fig. 7-1, pg. 19 of manual) MUST be sild to the left (OM) position or the new filter will not operate. Tbis caveat was not included in the owner's manual.

THREE VFOs. The R71A actually has three VFOs. The 3rd one is the memory mode; any frequency may be changed simply by rotating the tuning dial. The memorized frequency will not be lost.

FOUR TUEIEG SPEEDS. There are actually four tuning speeds on the R71A, depending upon the position of the tuning speed (TS) switch and the rotational rate of the Main Tuning knob. Curiously, with the $T S$ switch activated, the incremental tuning speed is greater when the dial is turned slowly than when it is turned fast! Vith the TS switch in, tuning rate is 2 Mhz per revolution in $1-K h z$ steps when turned slowly, but 1 Khz per revolution when turned fast. Vith the TS switch out, tuning speed is 2 khz per revolution (slow) in 10 Hertz increments, and (fist) it is 1 fhz per revolution in 50 Hertz steps.

IAPROVED NV SEASITIVITY. This mod will allow the preamp to operate at the broadcast band, while shutting off automatically below 500 Khz . Gain is about 1-5 db. To make the modification, remove the top screws and top of the cabinet. Locate the RF unit on the right side and find the two Ba618 bandpass filter ICs. Locate diode D23 about an inch to the left and cut the upper lead. Bend it out of the way, making sure it doesnt touch any other component.

MORE MV A LV IKPROVEMEYTS. Remove attenuation circuit consisting of R11, R12, R13 and C78 on the RF board, and connect L53 directly with L52-D10. Add a 1 mh choke betweed the LBA input and the chassis to drain off static charges. L59 should also be changed to 1 mH to increase VLF sensitivity.

AUDIO RESPONSE. To reduce bass response a biss (for better voice clarity), connect a ? 250 uF capacitor in parallel to C73 on the MAly board, which incraeces tone control range. Connect a 47 uF electrolytic near $J 5$ between SP3 and chassis to reduce biss (watch polarity!). Reduce C131 to 47 uf and put an electrolytic capacitor between 1 uF and 4.7 uF in parallel to the phones jack. Values depend on the impedance and personal preference. If the REMOTE switch is not used for its intended purpose, a 330 mH choice, connected between C125 and R164 on the one side and the Renote switchion the otber side, may be switched to ground, thus forming a bigh pass filter. The REMOTE switch now acts as a "SPEECH-KUSIC" selector.
$A M$ SELECTIVITY. Whoever is prepared to do without the LOCK function can utilize this SPDT switch for a bandwidth selection in the 3rd IF irrespective of the mode selected, by switcbing the connections (D39)-R91 and (D30)-R88. This permits the cascadiug of two quartz filters (2nd a 3rd IF) in AK. This is great for DXing, and gives a VIDE bandwidth for SSB. Access to the LOCK switch is not easy. however, and requires quite careful work.

