



The Little Bomb

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"A 1000 watt, 5 band linear amplifier weighing 7 pounds?"

Well, it *is* possible, it has finally been done, it goes *mobile*, and best of all, it costs only \$99.95.

It's the new Heathkit HA-14 "KW Kompact" linear amplifier. And "kompact" it is—12 inches wide, 10 inches deep, 3 inches thick, and weighing only 7 pounds!

Basically, Heath took their SB-200 (champion of the low cost kilowatts), removed the power supply, reduced the metering functions to two, and then shrunk the whole thing into a tiny cabinet.

The power supply comes extra. You can get either the HP-24 for 120/240 volt ac operation at \$49.95, or (here you go mobile fans) the HP-14 for 12 volt, negative ground d.c. operation at \$89.95. Both supply all voltages for a full, rounded 1000 watts PEP on sideband, and, since they are separate, they can be conveniently located remotely.

The HA-14 uses either a pair of T160L's or 572-B's in a parallel, grounded grid, class B configuration. It makes no difference which tube number you get, because both will perform equally well. Driving power needed for full rated output is 100 watts.

There is no blower. Ventilation of the two graphite anode power tubes is accomplished by natural convection currents flowing through the completely perforated steel cabinet. My experience so far has indicated that a blower is not necessary.

The KW Kompact features a built-in relative power/SWR meter. It measures relative power and SWR of the exciter plus the linear, or simply the exciter alone. The meter aids greatly in adjusting those sometimes balky mobile antennas. The built-in antenna change-over relay is in a neat little exciter controlled circuit that makes it easy to switch from high

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