

spent on the instruction book.

If anything, I liked the control layout and labeling on this unit slightly better than that on the standalone box. The display is clear and very visible over a wide range of angles. Packaging the filter in a speaker cabinet saves space, a valuable consideration if your operating table includes a rig or two, a PC keyboard and a PC monitor. It also eliminates cable clutter, so it contributes to a neat installation. Yaesu transceiver owners can keep that "original equipment" look through their station, too.

The unit I tested already had been installed in a Yaesu SP-5 speaker cabinet, but the installation instructions in the book were clear. A few screws and you are done. The instructions include a warning that some (non-Yaesu) rigs provide 12 V power that is not clean, and ground loop problems can result. The manufacturer recommends a separate power supply (12 to 16 V at 1 A). A jack at the back also accepts a connection to your rig's PTT line—needed, according to Timewave, if your rig does not fully mute the audio output during transmit.

Both an 8-pin DIN plug and a 9-pin RS-232 connector offer alternative input/output connections. If you plan just to use the filter on SSB and CW, you really just need to make two connections—12-V

power and a phono connector for audio from your rig to the filter.

From an operating standpoint, the performance appeared to be identical to that of the DSP-599zx. The brick-wall filtering, noise-reduction and notching capabilities work very well (see Table 6); as we found with the DSP-599zx, the speaker-mounted unit was relatively insensitive to variations in input. An internal AGC is included, and I suggest using it! I found it very effective. The only *major* difference is that the DSP-59Y does not include the test instrument functions that the DSP-599ZX provides.

For all voice modes, the upper and lower edges of the bandpass are independently tunable. Press the **TUNE** control so the arrow symbol on the display points to the left, and you can adjust the bottom edge of the filter from 110 to 1000 Hz. Press again, so the arrow symbol points to the right, and you can adjust the upper filter edge from 1000 to 5000 Hz. Noise bothering you? One press of the **NR** button often works magic. Always and for all noise sources? No, but I found it to be very effective on many noise sources.

Heterodynes got you down? You have a choice of manual or automatic elimination. Take my word for it, in the automatic mode on 40 meter SSB, a broadcast heterodyne is often gone before you

realize you have a problem.

As usual, with a DSP filter operating at the audio end of the receiver, don't look for a cure for interference caused by such things as intermodulation and front-end overload. But if the signal you want plus the interference are both within the dynamic range of the receiver, you can be in for a delightful surprise.

Manufacturer: Timewave Technology Inc, 2401 Pilot Knob Rd, St Paul, MN 55120; tel 612-452-5939; fax 612-452-4571. Manufacturer's suggested retail price: \$389 (requires Yaesu SP-5 or SP-6 speaker, not included. Manufacturer's suggested retail price of the SP-5 or SP-6 is \$157.).

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Feedback

◇ Table 1 in "Product Review," *QST*, Jul 1997 (p 58) contained an error. The Standard C508A includes CTCSS tone decoding as a standard feature, so Table 1 should indicate "Y" in that row beneath the C508A.

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New Products

WARREN GREGOIRE TR-2000 HEADSET CONNECTORS, PTT BOX

◇ To complement its model TR-2000 communications headset, Warren Gregoire & Associates now offer headset connectors for popular late-model transceivers. Typical connectors are \$23 apiece. The transceiver must be able to provide 1 to 10 V dc at the microphone connector to power the electret microphone element. The company also offers a PTT box that will work with nearly any transceiver for \$14.95.



The TR-2000 headset itself is available as a kit for \$44.95 or fully assembled and tested for \$64.95 (plus shipping and handling). The TR-2000 can be wired to work with most transceivers, including older units. Instructions are provided. The company offers a 30-day, money-back guarantee on purchases.

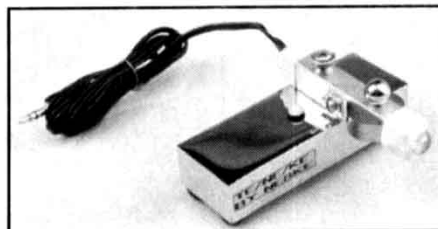
For more information, contact Warren Gregoire & Associates, 229 El Pueblo Pl,

Clayton, CA 94517; tel 800-634-0094 (orders); 510-673-9393; fax 510-673-0538; e-mail info@warrenregoire.com.

TE-NE-KE KEYSER PADDLE FOR PORTABLE, MOBILE CW

◇ Boyd Mason, NE8KE, offers the TE-NE-KE (pronounced "teeny key") iambic keyer paddle that's suitable for portable or mobile use. The paddle contacts are formed from beryllium-copper finger stock that provides for touch-style keying. It takes very little pressure to send great CW, and the TE NE KE paddle swings 90° over its rugged, chrome-plated base for storage or transport (or you can send with it in that position if you like). The paddle includes a lightweight connecting cable and a miniature stereo-type phone plug to connect to your favorite keyer or transceiver.

For those who would prefer a knee-



mounted base, NE8KE offers the NE-KE ("knee key"), a leg strap base for mobile or portable for \$12. The same paddle will fit either mounting arrangement.

The TE NE KE or NE-KE sell for \$35, and the do-it-yourself kit is \$25 (plus \$4 shipping for either unit).

For more information, or to order, contact Boyd Mason, NE8KE, 8297 Cleveland W, Coopersville, MI 49404; tel 616-837-7182.

100 W FM/SSB AMPLIFIER FOR 2 METERS

◇ The MH-A104 from Maha Communications is a compact 2 meter amplifier for FM and SSB. An input power of 1 to 10 W (144 to 148 MHz) provides an adjustable power output of 10 to 100 W. Features include a selectable low-noise GaAsFET preamp; a selectable 15 dB attenuator; a 5-LED power output indicator; and front-panel controls and indicators.

Designed primarily for the mobile operator, the MH-A104 measures 6.5 × 2.25 × 9 inches (HWD) and is powered by 13.8 V dc. Price: \$229.95. Maha products are available from your local Amateur Radio dealer. For more information, contact Maha at 2841-B Saturn St, Brea, CA 92621; tel 800-376-9992, fax 714-986-9221, e-mail sales@maha-comm.com; <http://www.maha-comm.com>.

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