

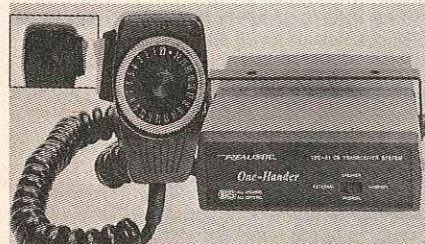
New Products

Additional information on new products covered in this section is available from the manufacturers. Either circle the item's code number on the Reader Service Card inside the back cover or write to the manufacturer at the address given.

RADIO SHACK

MIKE-CONTROLLED CB MOBILE

The Realistic TRC-61 "One-Hander" mobile CB AM transceiver from Radio Shack has all controls built into the microphone. This includes the on-off/volume control, squelch, and rotary 23-channel selector. The remote section can be mounted where desired. All crystals are supplied for 23-channel operation of this 4-watt r-f unit. The One-Hander



has a built-in noise-blanker and automatic noise limiter. Sensitivity is given as $0.5 \mu\text{V}$ for 10 dB (S+N)/N, selectivity as $-6 \text{ dB} \pm 3 \text{ kHz}$, adjacent channel rejection as -60 dB . A three-position switch on the transceiver selects a built-in speaker, external speaker, or uses the microphone as a speaker. The remote section measures 7"D x $5\frac{1}{4}$ "W x $1\frac{1}{2}$ "H (17.8 x 13.3 x 3.8 cm). \$149.95.

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YAMAHA POWER AMPLIFIER

The B-2 power amplifier is the second-generation amplifier using the Yamaha FET's in a patented cascode bootstrap circuit, said to achieve a 115-dB S/N. The front panel is like the \$250 UC-1 control panel used on the B-1, except that it is permanently attached and has connections for two sets of speakers instead of five. The dual peak-reading meters



have a range from -50 to $+5 \text{ dB}$, and are said to indicate peaks within 2 dB for a single 10-kHz sine wave. The B-2 is rated at 100 watts per channel, 20 to 20,000 Hz at 0.08% THD, into 8 ohms (140 W into 4 ohms). The frequency response, at 1 W output, 8 ohms, dc setting, is dc to 100 kHz, $+0/-1 \text{ dB}$. Measures $17\frac{1}{8}$ "W x $14\frac{5}{8}$ "D x 6"H (43.5 x 37.1 x 15.2 cm). \$850.

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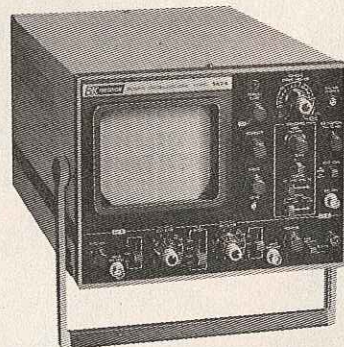
AVANTI TVI FILTERS

Avanti offers three filters for CB'ers with TV interference problems. The AV-800 low-pass filter is for transceivers radiating harmonics of the same frequency as one or more of the local TV channels. The AV-811 filter on the TV lead-in is designed for problems at the TV receiver due to front-end overloading. The AV-820 AC Line Filter is prescribed if the CB signal is being transmitted through ac power lines.

CIRCLE NO. 89 ON FREE INFORMATION CARD

B&K 30-MHz DUAL-TRACE SCOPE

A dual-trace triggered scope with signal delay, designed for applications where very high-speed waveforms must be viewed with clarity and accuracy, has been introduced by B&K-Precision as the Model 1474. An internal 160-ns signal delay line permits the user to view information appearing during the very short rise and fall times of high-frequency waveforms. Minimum visible delay is 12 ns. The 1474 is suitable for such applications as microprocessor system development, troubleshooting of minicomputers and peripheral equipment, and most other digital applications. Rise time is specified as 11.7 ns or less. Waveforms are displayed on an 8 x 10 cm CRT viewing area. A ten-position vertical attenuator covers 5 mV to 5 V/cm at an accuracy of $\pm 30\%$. The unit is said to have a

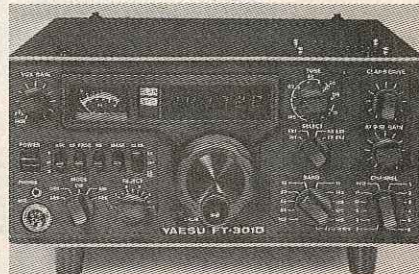


smooth response to well beyond 30 MHz and can trigger on signals up to 50 MHz. Other features include 20 calibrated sweep positions from $0.2 \mu\text{s/cm}$ to 0.5 s/cm (X5 magnification increases sweep speed to 40 ns/cm). The unit, \$820, is fully regulated and designed to maintain accuracy over a 105-130-volt ac range. It measures 9.8"H x 14.5"W x 17.8"D (20 x 25 x 36 cm). Net weight is 19.6 lb (8.8 kg).

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YAESU "DIGITAL" HAM TRANSCEIVER

The Yaesu FT-310D solid-state transceiver with digital readout covers amateur bands from 160 through 10 meters, plus WWV/JJY reception for time signals. Frequency readout to six places is provided by a red LED display. It's rated at 200 watts PEP power input, 200 watts CW, 50 watts AM and FSK (accepts keyboard shifts of 170 or 850 Hz). Receiver sensitivity is $0.25 \mu\text{V}$ at S/N 10 dB. Features switchable selectivity. Audio re-



sponse is 300 to 2700 Hz at -6 dB . Distortion products are less than -31 dB . Frequency drift during any 30-minute period is said to be less than 100 Hz. The unit may be powered by a 13.5-V dc source, negative ground, drawing 21 A in transmit, 0.9 A receive. A matching ac supply with self-contained speaker is available. Measures $11\frac{1}{4}$ "W x $7\frac{11}{16}$ "D x $4\frac{15}{16}$ "H (28 x 19.5 x 12.5 cm).

CIRCLE NO. 92 ON FREE INFORMATION CARD

AUTO CASSETTE/RADIO

The Superscope CA-15 is an in-dash stereo cassette-tape player that features automatic reverse, manual direction select switch, fast



forward and rewind, manual eject, and slide controls for volume, tone and stereo balance. There are also indicator lights for each direction of tape travel.

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TRIPLETT FET VOM

Triplet's model 64 battery-powered FET voltmeter has 29 ranges, including six for low-power ohms. These six have an open-cir-



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