

New Products

KLM'S KT-34XA

KLM Electronics' new KT-34XA tribander delivers broadband coverage on 20, 15, and 10 meters at performance levels equal to or exceeding many stacked monoband systems. With reduced weight and wind load, and tower and rotator requirements, overall system costs can be kept to a minimum with no sacrifice in performance.

KLM's field-proven 4-element KT-34 is the heart of the new "X" tribander. But, doubling the boom length, adding one more tri-resonant element, and one full-sized 10-meter element has increased the gain to 11-11.3 dBd on 10 meters, 9-9.5 dBd on 15 meters, and 8.5-9 dBd on 20. Two driven elements are used to make the KT-34XA unusually broadbanded (a concept applied to many KLM antennas). Gain is virtually flat across each band except for 10 meters which has been optimized for the DX'er at 28-29 MHz.

The traps, coils, and capacitors of conventional tribanders have been discarded in favor of integral linear loading and Hi-Q air capacitors, all composed of aluminum tubing. These give the KT-34XA a conservative power-handling capability of 4 kW PEP and a high level of operating efficiency. Linear loading also makes full $\frac{1}{4}$ -wave elements possible on 10 and 15 meters, and brings 20 meters much closer to the desirable $\frac{1}{4}$ -wavelength than any conventional tribander.

Mechanically, the KT-34XA has been built to survive. All aluminum, including the boom, is tough weather-resistant 6063-T832 alloy. All electrical hardware and guy cables are stainless steel. Virtually indestructible lexan insulators, just like those used on KLM's linear-loaded 40-meter Big Sticker, are used for mounting the elements and insulating them from the boom. KLM's 3-60-MHz 4:1 ferrite balun is supplied with the KT-34XA for direct connection to any 50-Ohm coaxial feedline. Special kits to upgrade the KT-34 are also available.

For more information, contact *KLM Electronics, 17025 Laurel Road, Morgan Hill CA 95037*. Reader Service number 40.

5820-437-1918 TRANSMITTER, RADIO T-1151 (V) / USQ FORKED STICK, PRAT MOSS

The disgustingly decrepit dab of doggie-doo distastefully depicted does indeed deceive. Delicately encapsulated within a husk of camouflaged epoxy is a VHF transmitter! Operating in the 150-MHz range, this aesthetically appealing little unit is actually a "seismic intrusion detector"—a sophisticated surveillance monitor which was used in Viet Nam to detect troop movements.

The luscious looking lump of fecal foolery contains several discrete transistors and a seismic detector. The instru-

ment is powered by three mercury cells and is armed by withdrawing a small plastic pin which closes a switch.

In actual use, seismic intrusion detectors are scattered throughout an area suspected of being in the route of the enemy; ground vibrations cause an inertial device to close a circuit, activating the transmitter. The pulse-coded signals are picked up by a remote VHF monitor receiver, alerting personnel to the presence of intruders.

Range of the radiated signal is approximately 300 meters, limited by its relatively low power (a few milliwatts) and its built-in copper-foil dipole. After 15 years, the batteries are dead, but the circuit is still very much active. Who will be the first to key up the local repeater with digital doo-doo?

Weighing only about an ounce, the detectors were made in several different sizes and shapes. Their cruddy appearance was deliberately designed to blend in with native ground litter. While some look like droppings from a passing puppy, others resemble nondescript globs of mud.

If anyone would like to own his very own transmitting atrocity, he may order one for only \$5 postpaid from *John Meshna, PO Box 62, 19 Allerton Street, East Lynn MA 01904*. Reader Service number 478.

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JUST WRAP KIT

Complementing the introduction of its new Just Wrap wire wrapping tool, O.K. Machine and Tool Corp. has announced

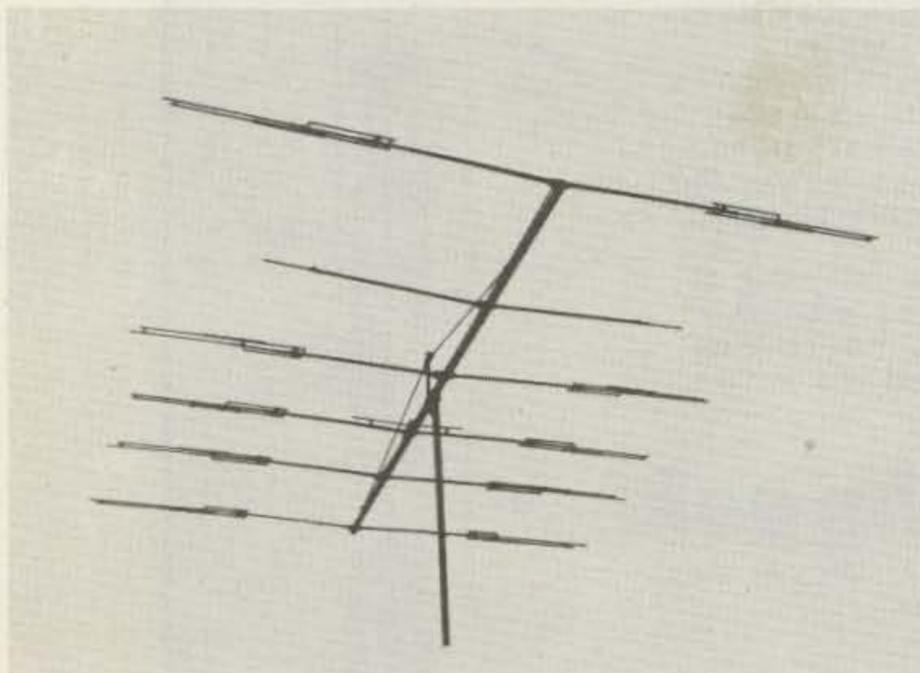
its new Just Wrap Kit. The Just Wrap tool wraps 30 AWG wire onto standard .025"-square posts without stripping or slitting the insulation. The tool can daisy chain continuously through several points or can be used in the point-to-point mode. It contains a built-in wire cutoff device for terminating the final connection of each chain. The JWK-6 Kit contains the Just Wrap wrapping tool, the JUW-1 unwrapping tool, and four 50-ft. wire refill cartridges, 1 each in red, white, blue, and yellow, all packaged in a sturdy, reusable clear plastic box. The JWK-6 Just Wrap Kit is available from stock at local electronics retailer or directly from *O.K. Machine and Tool Corp., 3455 Conner Street, Bronx, NY 10475*. Reader Service number 54.

DENTRON ANNOUNCES NEW GLA-1000B LINEAR

DenTron Radio Company has introduced an improved model of its popular GLA-1000 linear amplifier, the GLA-1000B. Featuring a tuned input circuit for consistent 50-Ohm input impedances, the new unit is the smallest and most economical 1200-Watt SSB (800-Watt CW) linear amplifier ever offered to amateurs.

DenTron has also added a new innovation in amateur linear amplifiers, namely a front-panel antenna switch, designed to allow user selection of either a dummy load (such as a DenTron Big Dummy) or an alternate antenna system.

Additional improvements include the use of LED status indicators for standby and transmit, thus ending the need for replacement of incandescent light



The new KLM KT-34XA.



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