New Products and Literature

Additional information on the items covered in this section is available from the manufacturers. Each item is identified by a code number. To obtain further details, simply fill in the coupon appearing on page 15.

TRANSISTORIZED SIGNAL TRACER

1 **International Representatives Corp.** is handling the U.S. distribution on a highly sensitive, rapid-testing signal tracer, the "Minitracer," made by **Unified Development Corp.**

This self-contained, transistorized unit pinpoints defective components, locates electrical

hum, mechanical vibration, and other vital functions in AM and FM radios, TV sets, communications equipment, servo-control circuits, and other industrial gear.

It is being offered in "laboratory and industrial" and in "general service" versions with the latter not including the transducer, inductor, and microphone probes.

ELECTRONIC IGNITION SYSTEM

2 **Palmer Electronics Laboratories, Inc.** is now offering a transistorized electronic ignition which has been trade named "Transfire."

The company is offering two unassembled kits of parts for the build-it-yourself group or in factory assembled versions for a variety of marine, automotive, and police applications. Depending on the model, the kits include coil, blank extruded chassis, two transistors, one or more VR diodes, ballast, resistors, leads, screws, terminals, transistor mounting kits, decal, and complete instruction details. Since various models are available for 6- and 12-volt systems, positive- or negative-ground, details should be obtained from the manufacturer before ordering.

COLOR-TV DEGAUSSING COIL

3 **Stancor Electronics, Inc.** has just introduced a new degaussing coil for color TV servicing which features rugged design for maximum convenience and usability.

The Model DGC-100 includes a 10-foot line cord with line switch at the coil end. This eliminates the need for repeated plugging and unplugging from the a.c. line.

FIBRE OPTICS CRT

4 **General Antronics Corporation** has developed a new fibre optics cathode-ray tube for use in nuclear energy studies. The 7" round-face tube, Type M1056, permits rapid recording of

information displayed against highly accurate reference lines which have been applied directly onto the rectangular fibre bundle surface.

Accuracy of the reticle is better than a tenth of the spot size, which is sufficiently small to resolve 1000 lines per inch. The tube can be customized for specific applications, including photographic recording of rapid single or repetitive events superimposed on a known accurate coordinate system of the user's choice.

PORTABLE TEST INSTRUMENTS

5 **The Triplett Electrical Instrument Co.** is now offering a new line of a.c. and d.c. portable instruments engineered to laboratory accuracies.

The d.c. portables feature the company's suspension movement (no pivots, no bearings, no hairsprings, thus no rolling friction). Other features are a 6-13/32" mirror scale, knife-edge pointer, and fully open meter front with top and side natural lighting. The unit measures 7⅜"x6-7/16"x3¾" with carrying handle attached.

U.H.F. CONVERTER

6 **Gavin Instruments, Inc.** is now marketing the Model G-2 u.h.f. converter which features a long-life, low-noise nuvistor circuit. The company claims that this new unit provides 50% more picture power than other single-tube con-

verters. An isolation transformer provides a cold chassis for safety and service. The built-in u.h.f.-v.h.f. coupler permits use of the existing v.h.f. antenna and transmission line.

SUBMINIATURE CAPACITOR

7 **Erie Resistor Corporation** is now offering a new line of subminiature tubular capacitors which have been specifically designed for use in industrial and military equipment.

General specifications of the Style 390 include a capacitance range of 5.6 through 1200 $\mu\mu$f.; tolerance ±10%, ±20%, or GMV depending on capacitance; working voltage of 100 at 85 degrees C or 50 at 125 degrees C; and MIL specifications meeting or exceeding MIL-C-11015.

MINIATURE R.F. CHOKES

8 **Nytronics, Inc.** announces the availability of a line of r.f. chokes that meet MIL-C-15305A, Grade 1, Class B specifications.

These epoxy encapsulated inductors come in three sizes to fit most design requirements: .90" long x .31" diameter and inductance values from 1 to 10,000 μhy., .60" long x .25" diameter with inductance values from 1 to 1000 μhy., and .44" long x .188" diameter with inductance values from .1 to 100 μhy.

DIODE TESTER

9 **Disc Instruments, Inc.** is now marketing a new diode tester which provides direct connection to all standard oscilloscopes for display of E-I curves for zener, computer, power, and tunnel diodes.

Forward current and reverse voltage on the tester is continuously variable through five ranges. Push-button control allows rapid forward and reverse testing. Reverse leakage and forward current is controlled to prevent overloading by use of limiting circuitry.

The Model 1050 operates on 117 volts a.c. and measures 5¾"x8"x7½".

STRAIN-GAUGE LOAD CELL

10 **Braincon Corp.** has developed a new silicon semiconductor strain-gauge load cell for use in measuring and monitoring tension of equipment used in a wide variety of undersea applications.

The Type 210 load cells are available for force ranges from 0-100 and 0-100,000 pounds. The cells utilize piezo-resistive silicon semiconductor strain gauges with temperature compensation. Their design provides output levels of 250 mv. which drive indicators and recorders directly without complicated electronic amplification.

WIDE-BAND VOLTMETER

11 **Keithley Instruments** is now offering a new electronic voltmeter which measures signals from 70 μv. to 300 volts over a 10 cps to 100 mc. spectrum.

Designated the Model 120, the circuit employs u.h.f. transistors in the amplifier circuit to achieve a bandwidth 20 times greater than that of v.t.v.m.'s. The instrument provides ranges of 1 mv. to 300 v. full-scale, rise time below 6 nanoseconds, noise on the 1 mv. range within 70 μv., and full-scale output of 200 mv. on all ranges.

The unit measures 11½"x7¼"x13¾" and weighs 17 pounds. Input requirements are 105-125 volts or 210-250 volts, 50 cps-400 cps.

IN-CIRCUIT TRANSISTOR TESTER

12 **American Electronic Laboratories, Inc.** is in production on an in-circuit transistor tester which incorporates automatic lead finding which eliminates the need to know lead configuration.

The instrument will test transistors both in-circuit and out-of-circuit. It checks for opens, shorts, and no gain. It will handle virtually every type of transistor including power, switching, small-signal, junction, alloy, point-contact, and military types. Results are indicated by lights. The instrument operates from a standard 117-