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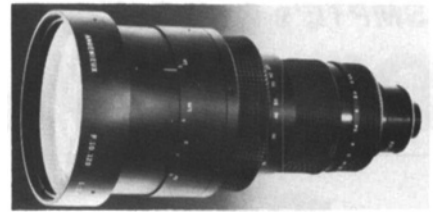
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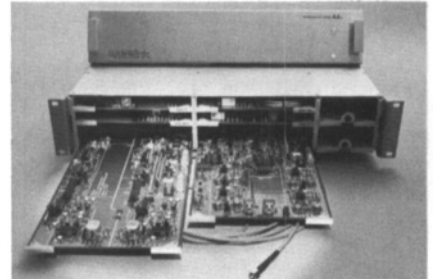
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Zoom lens, Angenieux Corp.

design including high-efficiency coatings to render a sharp image. The design is also a significant departure from conventional zoom lens designs in that the front does not rotate while focusing. The lens will be manufactured in all mounts to fit Aaton, Arriflex, Cinema Products, Eclair, and other professional 16-mm cameras.



Wavelink two-channel audio, Grass Valley Group.

The Wavelink™ family of fiber optic communication products has added two-channel audio with video capability using an FM-on-FM modulation scheme, according to an announcement from the Grass Valley Group, P.O. Box 1114, Grass Valley, CA 95945. The system modulates two pre-emphasized base band audio signals in 100 kHz oscillators, which in turn frequency-modulate two oscillators at 8.0 and 9.8 MHz. The signal is then summed with video and transmitted using LED. The transmitter module can provide for equalization of incoming cable, adjustable gain, and separate output monitor amplifier.

The receiver utilizes an avalanche photodiode and features AGC and squelch functions. Delay timing adjustment is available for precise timing of signals. The FM signal is demodulated and passed through a baseband filter to restore the original signal. Performance specifications are designed around broadcast requirements and include unweighted signal-to-noise better than 58 dB for video and 65 dB for audio over a 2 km fiber. The maximum output is 20 dBm into 600 ohms. The transmitted wavelength of the LED is 820 nm, and 10 μ of optical power are coupled into the fiber.

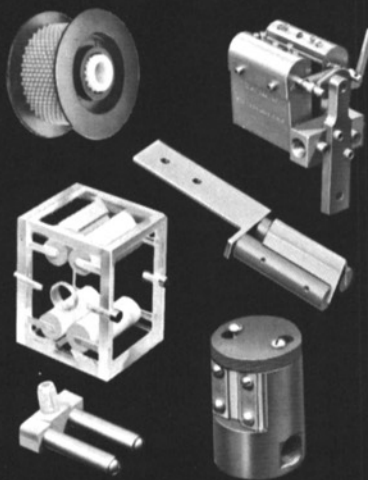
The Datacopy Model 521 Very High Resolution Display (VHRD) has been announced by Datacopy Corp., 1070 East Meadow Circle, Palo Alto, CA 94303. The unit displays digitized information on a bit mapped, P-40 phosphor 8½ × 11-in. (15-in. diagonal) screen with 1728 × 2200 picture elements. The VHRD can display 38,400 characters on-screen at one time. It

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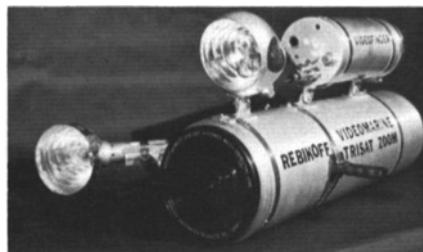


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has a horizontal scan rate of 68 kHz, refresh rate of 60 Hz, and 2×1100 interlaced scan lines. The display includes an image buffer to share data with minicomputer and multibus-based systems. The VHRD provides 1:1:1 resolution with the Datacopy 322 camera and any 200 point-per-inch printer/plotter allowing digitizing, display, and reproduction of the image. Model 521 is priced at \$15,450.



Videomarine underwater camera, Rebikoff.

A deep-sea color-television camera, the Videomarine™, has been announced by Rebikoff Underwater Products, 3060 SW 4th Ave., Fort Lauderdale, FL 33315. Three versions are available, going to 2000, 6600, and 20,000 feet. Applications include use by deep sea-submarines, remote controlled platforms, and divers. The Rebikoff Quarzfloods™ ensure full-spectrum color rendition even in muddy waters, polluted harbors, canals, etc. In synergy with solid state-integrated electronics, corrective optics, and its patented coaxial, unpullable field-installed connector, it is the latest version of the original underwater color TV system which was in world-wide use from Tierra del Fuego to the Arab-Persian Gulf, beginning with the North Sea at the Dutch Submarine Company.

The system is automatic and self-contained, requiring only a 5- or 3-mm diameter coaxial line and a 0.7-A 12-V power supply. It can operate with any portable color TV monitor, any portable VTR, a battery for the camera, and the Rebikoff diver safety light isolation transformer, if the camera is being used by a diver.

The CF200 Micro-Perfect ultrasonic film cleaner with non-evaporative drying has been announced by Lipsner-Smith Co., 4700 Chase Ave., Lincolnwood, IL 60646. The ultrasonic cleaning action removes dirt and surface contamination from the film. Scratches are cleaned, thus increasing the effective use of the wet printing technique. The CF200 process removes dirt and contaminants without touching the film surface because nothing but liquid and air is used in the cleaning cycle. The nonevaporative drying system provides clean, static-free film. Film can also be lubricated to decrease the possibility of damage during handling. Both 35-mm and 16-mm motion-picture film can be cleaned by the CF-200, as well as microfilm, on either reels or flanges. It can be modified for various applications, including the addition of submerged rotary buffers.



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