

nidirectional type with an output said to be about 6 dB higher than larger comparable units. Other features include a controlled low-frequency rolloff to insure natural sounding voice and music pickup, a hum-backing coil to make it insensitive to strong hum fields such as those produced by studio lighting, a mechanical-elastomer isolation system that makes it resistant to handling noise, a built-in breath and pop filter, and a rugged Veraflex® polyester grill.

The SM63-CN is 144.5 mm long and 33 mm in diameter. It weighs 80 g. The price is \$100.

A film cleaning machine designated the Kinetronics LC-100, has been announced by

Kentronics Corp., 42 Sherwood Terrace, Lake Bluff, IL 60044. The machine is 7½ in high, 11½ in wide and 8½ in deep. It utilizes a solid state liquid control system, Swiss velvet cleaning tapes, and a static neutralizer. The film cleaning solution called Kinetreat PR is said to cut safely through the fingerprints, oils, and grease that hold dirt to the film. The LC-100 is available in 16/35-mm, 46-mm, 70-mm, and 105-mm models. Prices start at under \$600.

An improved ECCO 202 instant antistatic film cleaning and conditioning system has been announced by Electro-Chemical Products Corp., 89 Walnut St., Montclair, NJ

07042. The system is said to clean, condition, lubricate and stop dust and lint attraction on both sides of motion picture film or filmstrip in one operation. Designed for 8-, 16-, and 35-mm formats, the system consists of one Model "D" applicator, one quart of ECCO 1500 solution, six cleaning flannel, double-faced rolls and two 2- x 4-in felt pad cushions. It weighs 4 lb and is priced at about \$60.

*Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.*

# Digital Television Broadcast Design Engineer

## Unique Opportunities In California!

The Grass Valley Group, Inc. is seeking qualified individuals for research and development in the digital television field. These unique career opportunities offer exciting technical challenge in an excellent living environment — the rural and recreationally abundant Sierra Nevada foothills.

Applicants should be thoroughly familiar with the present state-of-the-art in digital television or image processing. This means the knowledge of current digital systems and techniques, as well as recent hands-on experience in the development of digital video equipment, including application of the latest semiconductor devices. Project management experience, especially in the digital field, is highly desirable. However, applicants should understand that the

positions require circuit development expertise. The ability to manage or directly participate in the development of supportive software systems is also highly desirable.

These positions offer excellent compensation and fringe benefits. All travel and relocation expenses will be paid by the Grass Valley Group.

Applicants should submit a resume to Val Marchus, Personnel Manager, The Grass Valley Group, Inc., P.O. Box 1114, Grass Valley, California 94945. All inquiries will be treated in the strictest confidence. Qualified applicants will be interviewed in Grass Valley.

An equal opportunity employer m/f/h.

**The Grass Valley Group, Inc.**  
A Tektronix Company

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