

audio mixing in a manner similar to conventional video switchers. The product handles up to 32 analog and digital inputs, routing via a flexible VIRTUAL MATRIX to four analog PROGRAM, four digital PROGRAM, and four MONITOR outputs. All level, channel/machine assignment and audio crossfade settings are stored as snapshots, for instant recall. The product comprises an assignable control surface, a display module, and an electronics rack that houses the main processor, input/output connectors, and serial-control ports.



Multidyne TS-12 NTSC video, character, and stereo tone generator

**TS-12 handheld NTSC video, character, and stereo tone generator**, available from Multidyne, 244 Bayville Ave., Bayville, NY 11709, offers 12 precision test signals, a dedicated black-burst output, character-source ID, and stereo-audio tone in a small package. The character generator produces 16 battery-backed messages of 32 characters each. The stereo tone generator delivers two balanced channels of 400-Hz, 1-kHz, and 8-kHz audio tone with a 0.5-Hz click identifying the right channel. The audio output level is switch selectable for microphone and line. The NTSC test signals include SMPTE Color Bars, Multiburst, Multipulse, 5-MHz sweep, and NTC-7 Composite and Combination. Options for unique test signals sets are available.

The company also announced **TS-12M, a rack-mount NTSC video, character, and stereo tone generator**. The product

features character-source ID, vertical-interval ID, stereo-audio tone with microphone and line-gain settings, and automatic bypass of external video and stereo audio. The test signal specifications feature a differential gain of less than 1% and differential phase of less than 1°. When using the automatic bypass feature, external video and stereo audio are looped through the device. If the external video is interrupted or lost, a test signal, character ID, and stereo tone are switched onto the line automatically. If the video link is interrupted or "off the air," the product will automatically test and identify the source problem.

**A chemical management system** for developer and fixer was introduced by The Allen Products Co., 180 Wampus Lane, Milford, CT 06460. Model IS-199, a mobile automatic mixing and replenishment system with a specific gravity mixing system, responds to the addition of concentrated chemicals and adds the correct amount of water automatically. The product features an audible/visible low-level warning system that is activated when the solution level falls to two gallons or lower; it then resets automatically when the user begins a new mix in the 12.5-gallon tanks.

**The L-Light System has been updated**, it was announced by Lowel-Light Manufacturing, Inc., 140 58th St., Brooklyn, NY 11220. The product can accept a wide variety of Edison-base (E26) lamps and lamp types, from screw-base (not two-in) multireflector halogen lamps to PAR and R lamps. The refined, tape-up clamp-on base comes off easily to be replaced by a Stand-link, enabling the unit to be attached to stands, clamps, or scissor mounts featuring 5/8-in. or smaller studs. The new barndoor system is comprised of a frame that holds from one to four clip-on doors. The frame can also accommodate ViP swing-in accessories such as scrims, dichroic glass, clear glass, and diffusion glass.

# Classified

## Employment Service

*These notices are published for the service of the membership and the field. They are inserted for three months, at no charge to the member. The Society's address cannot be used for replies.*

## Positions Available

**Applications Engineer/Videodisc Recorder Specialist.** Based in Carson, Calif., for our Rewritable Videodisc Recorder VDR-V1000. Minimum five years experience in professional engineering and/or broadcast industry. Send resume to Manager, Human Resources, Pioneer Communications of America, Inc., 600 E. Crescent Ave., Upper Saddle River, NJ 07458-1827.

**Audio Engineer.** Theater design, acoustics, equipment selection, implementation and final commissioning. Some IED experience helpful. Send resume and salary history to Iwerks Entertainment, 4540 W. Valerio St., Burbank, CA 91505-1046, Attn: David Snyder.

**Senior Video Design Engineer.** Immediate opening for professional with digital design expertise and good people skills. Requirements include knowledge of PAL and NTSC television standards, M.S.E.E. degree, and 3 to 5 years of experience in video circuit design. Job description includes design from concept to completion of new video processing circuitry; implementation under discrete digital form, FPGA and custom ICs; control of outside contractors for ASICs design. Company offers good salary and fringe benefits, potential for advancement, and challenging work in creating the ultimate TV images. Send or fax resume to Mr. Yves Faroudja, Faroudja Laboratories, 675 Palomar Ave., Sunnyvale, CA 94086. Fax: (408) 735-8571.

**Technician.** To install, maintain, and repair AV equipment in auditoriums, displays, and classrooms. Minimum two years experience required. Salary in low 20s. Send resumes to Exhibit Dept., Shedd Aquarium, 1200 S. Lake Shore Dr., Chicago, IL 60605. EOE.

## Positions Wanted

**Editor - Video and Film.** More than 7 years experience in various fields: news documentaries, science, sports, TV-film. VTRs: 1/2 in., 3/4 in., 1 in., S-VHS, and editing-controllers. Film: 16 and 35 mm. Willing to relocate to Middle East, Asia, or U.S. Available for full-time staff position or contract assignment. Contact D. M. Lucic, P.O. Box 21354, 3001 AJ Rotterdam, Netherlands. Fax: +31 10486 12 04.

**Engineer.** B.S.E.E. with 12 years TV experience in maintenance, supervision, training, audio/video systems design, project management, installation. Seeks systems design or engineering management position. Will relocate. Contact J. Sipos, 1A Leander Lane, Morrisonville, NY 12962. (518) 561-5034.

## Journals Available/Wanted

*These notices are published as a service for members to expedite disposal and acquisition of out-of-print Journals. Please write directly to the persons and addresses listed.*

**Available.** SMPTE Journals, July 1979 to date. Complete set in excellent condition. Other related science and engineering journals available. Contact Leo Beiser, 151-77 28th Ave., Flushing, NY 11354. (718) 353-7298; Fax: (718) 353-7098.

## ITU-CCIR Workshop on Enhanced Television Auckland, New Zealand 23-25 March 1993

Papers (in English) are invited for presentation at the Workshop, which will have sessions covering the following topics:

- Objectives and requirements of Enhanced Television
- Colour Encoding and Decoding Techniques
- Studio Techniques for Enhanced Television
- Aspect Ratio and Picture Format
- Ghost Cancellation, Sound and Transmission
- Introduction Strategies for Future Television Systems

Prospective authors should fax a 100-200 word synopsis of their proposed paper to their nearest organizing committee representative **before** October 30:

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