

Our First Born Was Just Reborn

The new L tames long-life, screw-base, MR-16 lamps with: clever Clip-on doors, diffusers, dichroics and gels. It uses Lowel Tota and VIP parts that many pros already own. Like our triple-patented Lowel-light (that changed location shooting in 1959), the L Gaffer-tapes to walls and windows and clamps, wedges behind or hangs around "impossible" places. Lowel L System — the ideal companion for all your ViPs, Omnis and Totas. And a real light investment.

Ask for the L-light brochure or the 1989 Lowel Catalog



LowelLight Mfg., Inc.
140 58th St. Bklyn., N.Y. 11220
(718) 921-0600 Fax: (718) 921-0303

lowel

SMPTE Test Films



SMPTE has a full line of test materials for television and motion pictures, including monochrome TV test patterns, color TV subjective reference films and slides, photographic sound test films, magnetic sound test films, and a complete range of projector performance films. Most TV films are available in 35mm, 16mm, and 2 X 2-inch transparencies. The sound films are available in 35mm and 16mm (the magnetic sound films are also available in super 8), and the projector performance films are available in 35mm, 16mm, super 8 and regular 8, depending upon the film type. Films are in stock for immediate shipment. All films are guaranteed.

For your free catalog, write to:

**SMPTE Test Film Dept.
595 W. Hartsdale Ave.
White Plains, NY 10607**

Section Meetings

Detroit, June 9, 1992 — The June meeting, held at General Television Network (GTN), attracted an audience of 36 people. Phil Livingston, Panasonic Broadcast and Television Systems Co., gave a detailed and informative description of the technology behind the D-3 1/2-in. recording format, discussing such issues as channel code, product code, error correction, format consideration, and performance capabilities of D-3 and other digital video recording formats. He then described Panasonic's new component digital format, dubbed D-5, and compared it to the existing D-3 format and equipment. After the presentation there was a lengthy question-and-answer session and a tour of GTN's new audio facility. — Helge Blucher (Secretary/Treasurer), Provision, Inc.

Houston, June 17, 1992 — Bob Chase, KUHT, the PBS station of the University of Houston, described the technical complications that the station must overcome to establish itself as the first television station in the Houston market to broadcast stereo audio.

The requirements for stereo audio for TV were discussed, as were three problems: noise reduction, handling of the five separate channels of audio, and mixing monaural audio with stereo audio in the same program. Noise reduction of -30 dB in SNR is achieved by using dBX equipment that pre-emphasizes high frequencies to match receiver noise floor.

With the exception of the main FM L+R channel, the 5-kHz pilot tone, AM DSSC stereo channel, FM channel, and FM pro channels, each channel is centered on a multiple of the horizontal rate of 15.734 kHz. The L+R and FM pro channels are treated as monaural signals, and in addition the L-R and SAP channels are processed through dBX.

Matrixing mono and stereo program sources and curing out-of-phase sources are the two remaining problems. Both are solved on a case-by-case basis. To avoid

confusing the audience, the SAP channel should be disabled when not in use and synthesized sources should be avoided.

After the presentation, the 30-person audience was given a tour of the KUHT facilities, which are currently being remodeled. — Robert E. Musburger (Secretary/Treasurer), University of Houston.

Russia, April 20 to 21, 1992 — Eighty people representing 35 organizations met for a two-day meeting at the All-Russian Scientific Research Institute for TV and Radio Broadcasting. Leonid Strashun, SBC, gave an overview of training operations; Andy Harding, SBC, discussed a videodisk presentation system; Roy Jennings, SBC, provided service information and production systems; and Stuart Monksfield, SBC, lectured on automatic testing. — Eleonora Vinogradova (Chairman), NIKFI.

Sacramento, June 16, 1992 — Over 75 people attended the Sacramento Section's first program meeting, which was held at the studios of KCRA TV. Section Chairman Peter Symes welcomed the group and introduced the section's organizing board of managers and newly elected officers and managers. He thanked them all for their work in creating the new section.

Kirk Law, Tony Chatzgianis, and George Kurio — all of Silicon Graphics, Inc. — gave a presentation, entitled "Not Just Multimedia: How Computers are Changing the Film and Video Markets." The talk included a demonstration of their company's VideoLab, an add-in accessory for SGI workstations. In addition to showing the graphics and traditional video capability of the product, a live camera feed of the audience was shown being texture mapped onto a previously rendered object. The presentation elicited a spirited question-and-answer session. The program concluded with refreshments and an informal get-together. — Ed Hobson (Secretary/Treasurer), Grass Valley Group.



Bob Chase, KUHT, describing the operational methods for stereo audio for television to the Houston Section.