

New Products

Audio Equipment

The K 133 IR and K 444 IR wireless infrared headphones are new from AKG Acoustics. Both feature physiological sound leveling for total transparency even at the lowest volumes. They also have an ergonomic adaptation of the earpads for perfect supra-aural headphone performance, semipermeable earpads for optimal sound pressure, specially developed suspension, perforated grids on the outside for optimal acoustical transparency, and an ultra-light weight of 6.4 oz. The headphones offer four diodes for perfect signal reception, a mute function that eliminates hisses that occur when transmission is disturbed, multiuser operation, one loudness/one balance control, and three connectors.

The Soundcraft K-1 Series of modular, 4-bus, live sound reinforcement consoles from Soundcraft have been modularly designed in blocks of four inputs, allowing users to choose the best mix of mono mic/line and mono or stereo line inputs. The onboard capabilities include a phase reverse switch, high headroom/low noise microphone preamps, high-quality high-pass filters, and four-band equalization with two sweepable mid-range controls. The boards offer six auxiliary sends per channel, which are all switchable in parts between pre- and post-EQ.

Soundcraft has also introduced the **Soundcraft K3 Series** of modular, compact, 8-bus mixing, live performance consoles. Available in frame sizes for 16 to 48 inputs, with eight different modules possible, the consoles also feature a new MIDI Scene Set module that provides instant recall of up to 128 different mute scenes covering inputs, groups, and stereo effects returns. They also send program change data to external MIDI signal processors, and "note on" commands to trigger samplers and sound effects.

The Soundcraft DC2020 Surround, a computer-controlled audio post-production console now available from Soundcraft, is designed to provide superior quality multiformat surround sound mixing and monitoring in film, television, music, and multimedia applications. Features include a dedicated surround sound master module that connects directly to four-, five-, and six-channel systems with integrated monitoring, flexible routing, and dual LCRS joystick panners. The "floating bus" architecture routes any subgroup to any channel output, and all channels

may be assigned or reassigned at any time to four stereo floating group faders.

The Soundcraft B800 audio console is available in frame sizes with 20 to 48 mono or stereo inputs. Standard features include eight mono or four stereo subgroups plus two stereo master buses, stereo AFL/PFL, four optional VCA groups, and six mono plus two stereo auxiliaries.

The Topaz Project 8 console from Soundtracs PLC features ultraglide rotary pots with double bushing for precise control and extended durability, restyled color-coordinated knobs for instant recognition and accurate positioning, tight tolerance equalizers on main and secondary input channels, and a new anti-glare suede finish to all trim. The console is available with either 24 or 32 channels, providing 48 or 64 inputs on mixdown.

Compression Equipment

The Compressionist 200S MPEG publishing system is available from Minerva Systems. The system features two main architectural elements: an engine capable of real-time video pre-processing and MPEG 1 or MPEG 2 encoding, and MPEGmaker, a complete set of software tools that provide an easy-to-use interface for human-assisted coding.

Control Systems

Telemetrics, Inc., has introduced a new **camera control system** for broadcast, video production, and interactive television studio applications. The system integrates Telemetrics' line of camera robotics components with a new software control program designed to deliver camera control capabilities on a single touchscreen workstation. By employing a touchscreen graphical user interface, Telemetrics control panel software (TM-CPS) provides simple control of all camera robotic and electronic settings, video switching, and peripherals. Live camera "program" and "preview" images and still video "preset" images can all be viewed on a single PC display.

Desktop Video

Grass Valley has upgraded its **VideoDesktop personal production suite**. The basic system includes an Apple Power Macintosh 8100/100 CPU, VideoDesktop board set, 20-in. monitor, and an 8.2-Gbyte hard disk array.

Signal Processing/Transmission Equipment

BSS Audio has updated its BSS DPR-901 by introducing the **BSS DPR-901 II dynamic equalizer**. The new split band switch feature capability allows the device to be used as a single 4-band device or as two separate 2-band devices — permitting one section to cover the low and low/mid ranges and the second section to cover the hi/mid and high range. The new side chain monitor feature permits the engineer to tune in to the exact frequency area desired.

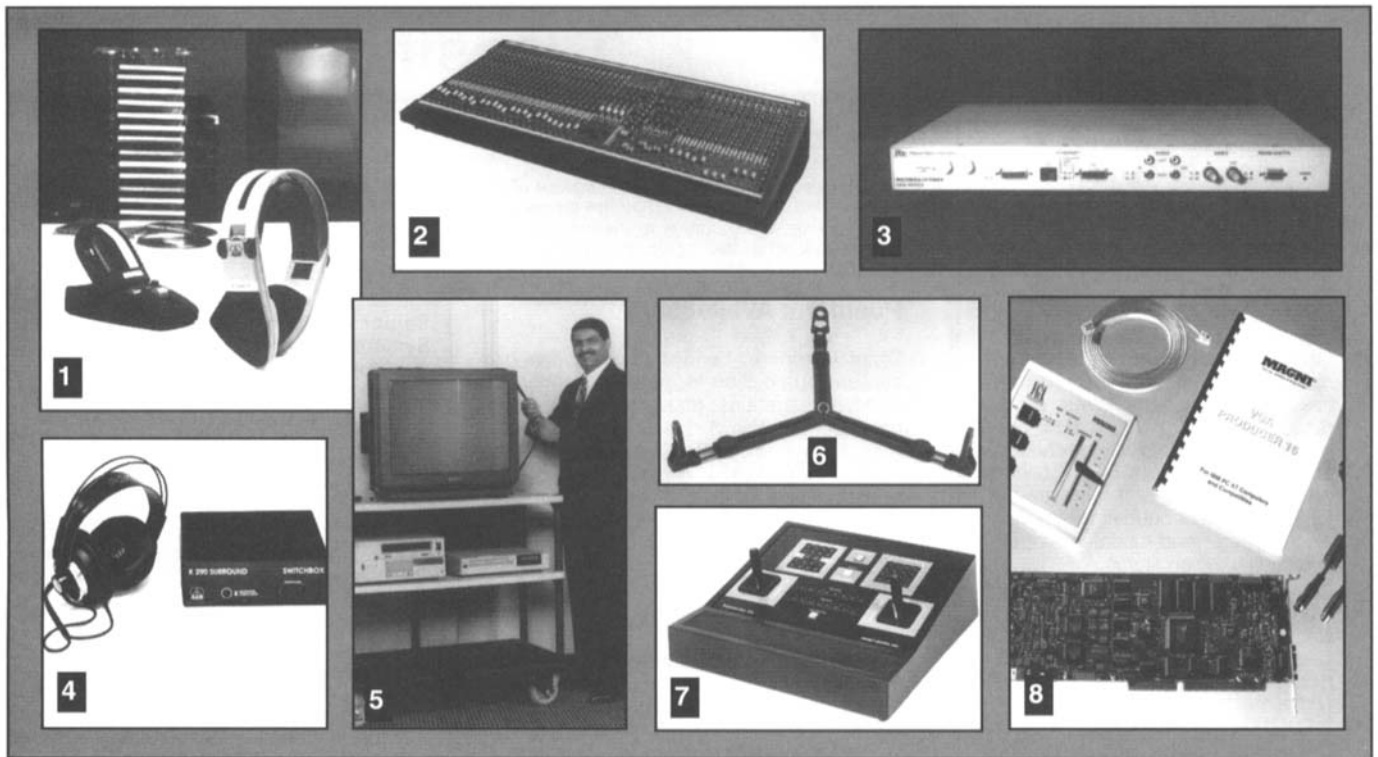
Also from BSS is the **BSS FCS-916 microphone preamplifier/parametric equalizer**. The unit is a discrete, high-quality microphone preamplifier with gain control and phantom power. It features a separate line input with gain control, filters (each with independent in/out switching), independent sweepable high and low-pass filters, four full parametric bands, maximized band coverage that does not compromise control resolution, and five-segment LED metering systems.

Colorado Video Inc., has introduced the **Model 241A VBI picture receiver**, designed for the reception of specially encoded still images transmitted in a single line of the vertical blanking interval of a standard television signal. The 241A is capable of reproducing full gray-scale and NTSC color-compatible pictures.

The POC6900 Series from Physical Optics Corp. is a series of high-speed, fiber-optic, multimedia data transmission systems that simultaneously transmit audio/video, Ethernet, T1, and RS 232/RS 422 data to a remote location via single-mode or multimode optical fiber. The systems can extend the transmission range of each multimedia data stream to 4 km for multimode optical fiber and more than 40 km for single-mode optical fiber. These multimedia transmission extenders feature 8-bit digital video resolution with 12-MHz sampling (>50 dB SNR) and 16-bit, CD-quality mono or stereo audio (>80 dB SNR).

Software

Panasonic Broadcast & Television Co. has announced an **upgrade Version 1.1 for its WJ-MX1000 Postbox nonlinear A/V workstation**. Among the new features are KEY LEARN, which allows the operator to create a path for the key pattern using key frames; 3-D KEY PATTERNS, including



1) The AKG K 444 IR headphones from AKG Acoustics. 2) Soundcraft's new Series K3 audio console. 3) Physical Optics' POC6900. 4) The K 290 headphones (left) and switchbox from AKG. 5) The Extra Strong Video Cart from Anthro Corp. 6) The rubber tripod spreader from Cartoni. 7) The CP-DTQ-S from Telemetrics. 8) Magni's VGA Producer 16.

spheres, perspectives, and ripples; and HOT PLAY, allowing audio or video clips to be played from a bin.

Sound Systems

AKG Acoustics has announced its **AKG K 290 surround headphones** and **K 290 surround switchbox**. The system actively supports four channels of surround sound systems. The front two transducers are used for the stereo channels and the rear two for the surround channels. The center channel is output through both front transducers. The headphones can be used for virtually all types of surround sound systems.

Support Equipment

The **Extra Strong Video Cart** from Anthro Corp. is 42 in. wide and 27 in. deep, allowing it to support monitors up to 37 in. wide. Six-in. castors allow the user to move the cart easily between offices, classrooms, and conference rooms. The cart comes with three shelves; the top shelf has a locking safety track that hugs the monitor.

The **rubber tripod spreader** from Cartoni USA provides adjustable support that is particularly helpful when shooting on uneven topographies such as a rocky slope or a stairway. Because of its flexibility, the spreader can remain attached while leg

length and position are adjusted for best angle and balance.

Telemetrics, Inc., has introduced the **CP-DTQ-S desktop preset control panel**. The panel controls four robotic pan/tilt heads with dual joysticks that provide proportional rate, variable speed control for all pan/tilt, zoom, and focus operations. Sixteen preset positions can be stored in memory for each of the four pan/tilts.

Standards Converters

The **VGA Producer 16** from Magni Systems, Inc., has a Flicker Stabilizer circuit which eliminates the flicker associated with converting noninterlaced VGA signals to an interlaced television format. It comes standard with an external remote box for controlling keying, fading, and mixing of converted VGA graphics. The user can genlock to VHS, S-VHS, Hi-8, 8mm, and studio formats and produces 64,536 colors. The resolution in NTSC is 640 x 480 and 800 x 600 in PAL.

For further information regarding the new products and developments listed in this section, contact the companies directly at the addresses listed below:

AKG Acoustics, 8500 Balboa Blvd., Northridge, CA 91329, (818) 830-8278; Fax: (818) 830-7825

Anthro Corp., 10450 S.W. Manhasset Dr.,

Tualatin, OR 97062, (503) 691-2556; Fax: (503) 691-2409

BSS Audio/Harman Pro North America, 8500 Balboa Blvd., Northridge, CA 91329, (818) 830-8278; Fax: (818) 830-7825

Cartoni U.S.A., 2755 Alamo St., Ste. 103, Simi Valley, CA 93605, (805) 520-6086; Fax: (805) 520-6949

Colorado Video, Inc., 6235 Lookout Rd., Ste. G, Boulder, CO 80301, (303) 530-9580; Fax: (303) 530-9569

Grass Valley, P.O. Box 1114, Grass Valley, CA 95945, (916) 478-3000; Fax: (916) 478-3187

Magni Systems, Inc., 9500 S.W. Gemini Dr., Beaverton, OR 97008, (503) 626-8400, (800) 237-5964; Fax: (503) 626-6225

Minerva Systems, Inc., 2933 Bunker Hill Lane, Ste. 202, Santa Clara, CA 95054, (408) 970-1780; Fax: (408) 982-9877

Panasonic Broadcast and Television Systems Co., One Panasonic Way, Secaucus, NJ 07094, (201) 392-4319; Fax: (201) 392-6001

Physical Optics Corp., 2545 W. 237th St., Torrance, CA 90505, (310) 530-1416, (800) 214-0222; Fax: (310) 530-5958

Soundcraft/Harman Pro North America, 8500 Balboa Blvd., Northridge, CA 91329, (818) 893-4351; Fax: (818) 830-7825

Soundtracs, PLC, Unit 21-D, Blenheim Rd., Longmead Industrial Estate, Epsom, Surrey KT19 9XN, England, +0181 388 5000, Fax: +0181 388 5050

Telemetrics, Inc., 6 Leighton Pl., Mahwah, NJ 07430, (201) 848-9818; Fax: (201) 848-9819