

Calendar

March 1998

cinec 98 International Trade Fair for Motion Picture Technology and Post-Production, M.O.C, Events Center, Munich, Germany. Info: Messe Munchen GmbH, cinec Exhibition Management, Messegelände, D-80325 Munchen, Germany. *March 21-23, 1998.*

April 1998

NAB '97 International Convention and Exposition, Las Vegas Convention Center, Las Vegas, Nev. Info: National Association of Broadcasters, 1771 N St. NW, Washington, DC 20036-2891, <http://www.nab.org/conventions>. *April 4-9, 1998.*

May 1998

Lightfair International 1998, Las Vegas Convention Center, Las Vegas, Nev.

Info: AMC Tradeshows, 240 Peachtree St. NW, Ste. 2200, Atlanta, GA 30303. *May 27-29, 1998.*

June 1998

SHOWBIZ Expo, Los Angeles Convention Center, Los Angeles, Calif. Info: Reed Exhibition Companies, 383 Main Ave., Norwalk, 06851, <http://www.showbizexpo.com>. *June 12-14, 1998.*

SMPTE Activities

TORONTO, ONTARIO, CANADA—32nd Advanced Motion Imaging Conference, Sheraton Center Hotel, *February 5-7, 1998.*

LOS ANGELES, CALIF.—2nd Annual SMPTE Spring Film Conference—Co-located with Showbiz Expo, Los Angeles

Convention Center, Los Angeles, Calif. *June 12-14, 1998.*

PASADENA, CALIF.—140th SMPTE Technical Conference & Exhibit, Pasadena Convention Center, *October 26-31, 1998.*

ORLANDO, FLA.—33rd SMPTE Advanced Motion Imaging Conference, *February 1999.*

SYDNEY, AUSTRALIA—SMPTE '99, *July 13-16, 1999*

NEW YORK, N.Y.—141st SMPTE Technical Conference & Exhibit, *November 19-22, 1999.*

For more information on these and other SMPTE activities contact SMPTE headquarters: (914) 761-1100, Fax:(914) 761-3115

New Products

Camera Accessories

Telemetrics, Inc., announced its serially controlled **PT-LP camera pan/tilt mechanism**. The unit incorporates a serial control receiver and a power supply to facilitate remote studio operation of cameras with teleprompters. The product's pan/tilt mechanism's variable speed operation is provided by heavy-duty cross roller bearings and Swiss motors with isolation mounts. Additional features include positional feedback for short storage and recall, adjustable end stops, and a threaded base for easy tripod and ceiling mounting.

Camera/Camcorder Equipment

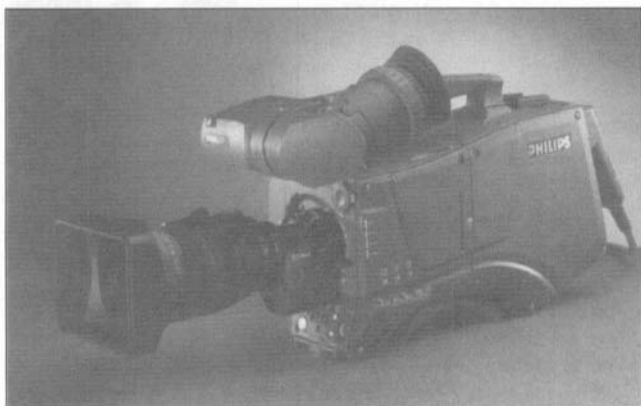
Philips BTS has introduced the **LDK 100** series featuring the most advanced 12-bit A/D and 24-bit dynamic digital signal processing technology. The camera converts, via adaptors, to several different applications including Triax, DVCPRO camcorder, and Betacam SP configurations with additional configurations available in the future. The 100 Series operates in either 4:3 or 16:9 widescreen modes.

The **LDK 120**, also from Philips BTS, features the speed and power of two Intel inside processors. The camera includes a

host of intelligent automatics including an extended iris function that automatically controls gain, lens iris, and exposure time for a wide range of illumination levels. The 120 has a credit card sized Smart Card capable of storing up to four scene files and two operator files.

Projectors

JVC and its subsidiaries, JVC Professional Product Co., and Hughes-JVC Technology Corp., have jointly announced the **DLA-G10 video/data/graphics projector**. The 26-pound, 9 x 17 x 15 in. DLA G10 is the first projector



The LDK 100 Camera



The LDK 120 Camera

to utilize the new D-ILA technology. The projector also uses adaptive digital pixel conversion technology to optimize picture quality and produce smooth, clear pictures no matter what the signal resolution. Resolution of 1365 x 1024 allows for full coverage of SXGA (1280 x 1024) graphics. A 10-bit digital gamma correction provides accurate gray scale reproduction. Video resolution of 1000 TV lines and contrast ratio of greater than 250:1 provide excellent video reproduction.

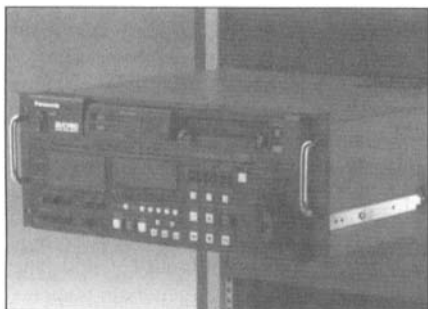
Hughes-JVC Technology has also introduced the **Model 100 Image Light Amplifier projectors**. The single lens Model 100 features a new compact Image Light Amplifier for better reliability and durability. Coupled with the CRT image source with fiber-optic plates, the projector features dramatically improved picture resolution, uniformity, and decreased weight and size. The projector produces 1500 ANSI lumens of light output from a 750-W xenon arc lamp, and has a wide range of input capability displaying signals with horizontal frequency up to 135 KHz and graphics resolutions more than 2000 x 1500 (1500 TV lines, 4:3).

Switchers

The **Diamond Digital 35 component digital production switcher** from Philips BTS features a newly designed 3M/E plus program/preview architecture with a choice of two different sized versions of the on-air dedicated control panels. Features include unlimited set-up storage on the internal hard drive. An increased number of communication ports allow for extended machine control, while a specific modem port is provided for a quick and easy system check-up.

Intercom System

The **RTS Zeus 2400 DSP Intercom system** from Telex Communications, Inc., is designed to deliver 24 channels of better than CD quality audio in a two rack unit package as the CD quality sample rate of 44.1 KHz is enhanced by 20 bits of reso-



The Winsted F8203 Rack Slide Kit for Panasonic DVCPRO models

Computer

help wanted: quarterback

You don't just call the shots – you know how to get your entire team into scoring position.

At IBM, we are continually innovating, creating a future most can only imagine. If you want to see your efforts propel your career, apply them to the challenges at IBM. We can give you the advantages of working for an industry leader, and we offer a level of responsibility that is challenging and offers you potential for continued achievement and career growth. Bring your expertise to the forefront.

IMMEDIATE OPENINGS

We are building the infrastructure that will launch a major television network. In addition, we are expanding our solutions to include new leading-edge technology. Our development efforts will provide global solutions. If you have experience with object-oriented development, networks (satellite, LAN), PC architecture, video or MPEG, consider the following opportunities:

Development Manager

Lead a team of developers to build a low-cost, high-function digital video playback unit. This device is the SpotInsert unit and is a Windows NT-based Pentium server. To qualify, candidates must have expertise in C++, Object Oriented Analysis/Development (OOA/OOD), software development methodology, PC architecture and network topology.

Test Manager

Take charge of a team that provides all functional testing of our solutions. Candidates must have 5 years' experience in testing/QA and familiarity with automated test tools, test metrics and methodologies. Product testing will include RS/6000 (AIX) and PCs (NT). Products are built using standard tools such as Lotus Notes, DB2, ADMS, HACMP, C++, Java and network protocols (satellite, Ethernet, ATM).

Architect Manager

Lead a team of architects with the mission of designing new solutions for customer requirements. This team will work with customers to gather requirements, and interact closely with the development group to design leading-edge solutions, in order to bring the product to market.

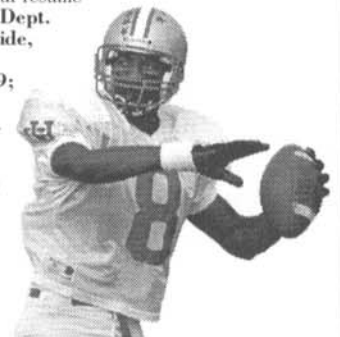
Application Programmers

Our digital video broadcast project offers you a range of challenges in software design, development, testing, and integration and an opportunity to enhance your expertise in C++, OO design and development, Windows NT, LAN and PC platforms. Here, you can collaborate with our internal developers and international customers as we identify, define, document, build, and deliver solutions that incorporate IBM and non-IBM products for the broadcast market. To meet the demands of this position, you must have a BSCS or the equivalent and 5 years of experience creating solutions and delivering on time and on budget. A record of software design life cycle success is essential; a product development background is preferred.

In addition to an excellent compensation and benefits package, we offer a working environment that will allow you to reach your professional goals and develop skills in new technologies. For consideration, please send your resume

to: **IBM Staffing Services, Dept. 293GW, c/o TMP Worldwide, 3803B Computer Drive, #106, Raleigh, NC 27609; FAX: 1-919-786-0456; e-mail: jobs@vnet.ibm.com.**

Visit our website at www.empl.ibm.com for additional information on our current openings. IBM is committed to creating a diverse environment and proud to be an equal opportunity employer.



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lution The heart of the system, a TDM ASIC, performs all audio switching and mixing in the digital domain. The TDM ASIC processes 45-bit word length to insure full performance regardless of the number of users on a given path. RTS Zeus 2400 comes complete with Zeus-Edit, a Windows-based configuration software package. The Intercom system is aimed at auditorium and stadium installations, broadcast and simulator situations, and military and industrial applications.

Racks

Winsted Corp. has added **Model F8203** to their line of rack slide kits designed specifically for Panasonic, JVC, and Sony VTRs. These models feature heavy duty chassis support brackets, Accuride ball bearing slides for smooth pulling action, and pivoting rear finger brackets to allow mounting in sloping or vertical racks.

Interface Unit

The Phantom TransferEngine from Philips BTS is a fully integrated system designed to interface the Spirit DataCine high-resolution film scanner into the post-production environment through the product's high-speed data port. The Phantom operates at a transfer speed of six to ten frames/sec at a full 2K resolution which is 100 times faster than any other high-resolution film scanner. The system provides for the delivery of files at any user-deletable resolution from 256 to 2048 pixels, another industry first. Television resolution images can be transferred as 10-bit log RGB data, bypassing current video-to-data conversions and vastly improving image quality. Files can be delivered at speeds greater than realtime at this resolution.

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

JVC Professional Products Co., 41 Slater Dr., Elmwood Park, NJ 07407, tel: (888) 303-5600, e-mail: kramere1@netvision.net.il

Phillips BTS, 2300 S. Decker Lake Blvd., Salt Lake City, UT 84119, tel: (801) 972-8000, fax: (801) 972-6304

Telemetrics Inc., 6 Leighton Place, Mahwah, NJ 07430, tel: (201) 848-9818, fax: (201) 848-9819, Internet: <http://www.telemetricsinc.com>

Telex Communications Inc., 9600 Aldrich Ave. So., Minneapolis, Minn., 55420, tel: (612) 884-4051, fax: (612) 884-0043

Winstead Corp., 10901 Hampshire Ave. So., Minneapolis, MN 55438-2385, tel: (612) 944-9050, fax: (612) 944-1546, e-mail: racks@winstead.com, Internet: <http://www.winstead.com>

Obituary

Peter Comandini, a SMPTE member since 1967, died of heart failure on Tuesday, December 16, at Providence St. Josephs, Burbank, Calif. He was 56 years old.

Comandini was a Fellow of the Society and the recipient of the prestigious Herbert T. Kalmus Gold Medal in 1991 in recognition of his outstanding contributions to the preservation of motion pictures.

Noted as one of the industry's most respected experts in motion pictures and film, Comandini supervised the restoration of hundreds of motion pictures including such classics as *Dracula*, *Frankenstein*, *Snow White*, *Gone With the Wind*, *Fantasia*, *Meet Me in St. Louis*, and *She Wore a Yellow Ribbon*.

He was an expert on the early two-color Technicolor process which was an obsolete and difficult technology for which he pioneered breakthrough optical restoration techniques. Comandini produced the first two-color Technicolor features titled



The Toll of the Sea and *Follow Thru*.

Comandini began working in the film laboratory field in 1960 and gained experience in separation negative printing and processing control. In 1971 he migrated to Image Transform as vice-president of technical operations and concentrated on film-to-video and video-to-film transfers.

He co-founded YCM Laboratories with partners Richard Dayton and Don Hagans in 1982. A relationship with the UCLA Film and Television Archive was then established in 1984 with the restoration of *Becky Sharp*, the first three-strip Technicolor feature. The feature premiered at the 22nd New York Film Festival, redefining the technical limits of color film restoration. The accomplishments of YCM in film restoration were honored by the Academy of Motion Picture Arts and Sciences in 1992 with an Award of Commendation.

Books, Booklets, Brochures

The EOA Switch Corp., has released an eight-page, four-color **switching products selection guide**. The guide illustrates each switch and describes features, applications, and user benefits. Products described include the full line of push-button, key-lock, rotary, printed circuit board, emergency stop, toggle, DIP, flush panel mounting models, multiple switch assemblies, and tact switches are included as well as keypads. A description of available switch literature is included along with a fax request form to obtain product data, evaluating samples, and ordering information. For a free guide, contact EAO Switch at 198 Pepe's Farm Rd., Milford CT 06460. Send e-mail to info@eaoswitch.com. Product information is available on the World Wide Web: <http://eaoswitch.com>, and from EAO's fax back service: 1-800-329-7326.

Introduction to DTV RF is a practical guide designed to assist the broadcast engineer in understanding many of the technical issues faced by all television stations in the transition to DTV. The publication focuses on the 8-VSB transmission selected by the FCC. An overview of the 188-byte MPEG-2 digital transport system used

to carry the compressed video, audio, and data bitstreams to the transmitter is also provided. Other subjects covered include the Dolby AC-3 system, capable of 5.1 audio channels per bitstream, and the eight types of audio services that will be available with DTV. The guide, authored by Douglas W. Garlinger, will be of interest to engineering managers and transmitter, studio, and sales engineers. The 100-plus page publication is available from the Society of Broadcast Engineers, 8445 Keystone Crossing, Ste. 140, Indianapolis, IN 46240.

Portable Video: ENG & EFP Third Edition, by Norman J. Medoff and Tom Tanquary has been expanded to cover more topics and techniques than previous publications. The book was designed to be a complete guide to almost any video application, providing the knowledge to gain or enhance video needs of the present and future. The latest equipment for electronic news gathering (ENG) and electronic field production (EFP) are covered. The 304-page publication targets both students and professionals in the field and is available from Focal Press, 313 Washington St., Newton, MA 02158-1626.