

huse.—John P. Weiksnar, Manager/Membership Chair

## Rocky Mountain April 29, 2001

Over 30 attendees were on hand for the meeting, which took place in an informal venue offered by various stations set up to demonstrate streaming video and a variety of tools to create CD-ROM, DVD, and live streaming applications for the Web. Each station was manned by personnel from Digital Metropolis who discussed file formats and bit rate manipulation, authoring, compression tools, and shooting and editing for streaming formats. Hosts for the evening were Jerry Sexton and John Immo, Digital Metropolis.—Rome Chelsi, Section Chair



John Fodek, Teletream, assists at Digital Metropolis exhibition for Rocky Mountain Section in April.

## Russia 2000

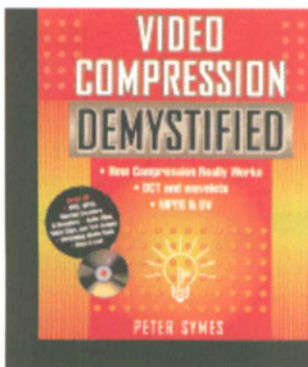
Section meetings were held in the fall of 2000. The topic of the first was "Features of Visual Perception of TV Image Hidden Frame and Procedure of its Detections by Hardware." S. R. Neztsova and G. G.

Demirchoglyan discussed the features of subsensory perception of hidden frames (the so-called 25th frame) in a television image. They have developed an electronic image analyzer capable of detecting the presence of similar hidden insertions and defining their information characteristics.

In December, speakers A. S. Mkrumov and L. A. Sevalnev presented "Multi-channel TV Sound in Secam D. K. TV Systems." At the present time multi-channel sound is used in digital television broadcasting systems with bit-rate reduction, according to MPEG-2/DVB standards, providing for up to six sound channels. However there is still a demand for the development of multi-channel sound for SECAM with D and K air emission standards. Studies have shown that the Musicam system is optimal for coding to multichannel television sound signals, as it provides for the subjective sound of a compact disk at the audio data rate of 256 kbits/c per stereo pair.—N. Alekseeva, Secretary/Treasurer

## Books, Booklets, Brochures

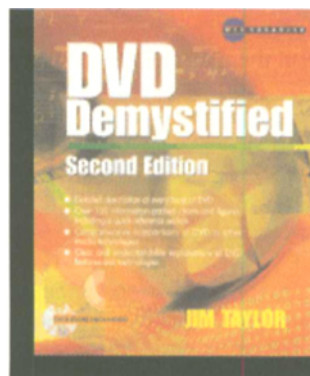
*SMPTE now stocks these recent titles:*



**Video Compression Demystified**, by Peter D. Symes, is an everything-in-perspective introduction to video compression. This book examines major compression standards starting with the basics and moving on to compression tools, performance considerations, transmission/storage quality, transport schemes,

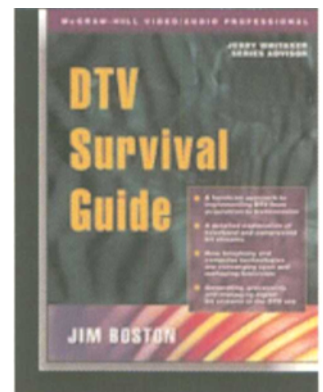
and audio considerations. The CD-ROM contains an MPEG encode with 30-sec video samples and ready-to-use JPEG wavelet, fractal compression algorithms.

**DVD Demystified, Second Edition**, by Jim Taylor, explains DVD technology in a way that is comprehensible to nontechnical readers. It contains details and tidbits to satisfy those who



have already plunged into the realm of DVD. Contents include over 150 information-packed charts and figures, a quick reference section, comprehensive comparisons of DVD to other media technologies, and clear and understandable explanations of DVD features and technology.

The first digital television broadcasts began in October 1998. The government has mandated that by the year 2003 all broadcasts must be digital and broadcasters must relinquish their analog spectrum, creating tremendous anxiety about DTV. **DTV Survival Guide**, by Jim Boston, strips away the hype and reveals the true facts. Aimed at television engineers and technicians, it



presents the substance behind the buzzwords, the truths behind the misconceptions, and the opportunities behind the obstacles.

For additional information about engineering titles available from SMPTE, and to place an order, contact Beverly Blakemore, Sales; tel: (914) 761-1100 ext. 121; fax: (914) 761-3115; e-mail: [bblakemore@smpte.org](mailto:bblakemore@smpte.org); website: [www.smpte.org](http://www.smpte.org).