

## LABORATORY MANAGEMENT

**MGM Laboratories, Inc.**, currently has non-union management positions open.

These positions require technical expertise in large volume film processing as well as managerial and personnel handling skills. We are looking for individuals with at least 5 years experience in a film laboratory.

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**Roy Regan**  
**MGM FILM CO.**  
 Industrial Relations Dept.  
 10202 W. Washington Blvd.  
 Culver City, CA 90230



(continued from p. 124)

He received the SMPTE Progress Medal Award in 1972 "in recognition of the energies and talents he has contributed during his professional career to the advancement and growth of the motion picture industry . . .," the citation read, in part.

He belonged to a number of professional associations, among them the Academy of Motion Picture Arts and Sciences, the Academy of Television Arts and Sciences, the American Society of Cinematographers, and the Society of Photographic Scientists and Engineers. He was a Fellow of the British Kinematograph, Sound and Television Society.

He is survived by his wife, Helen, their five children — Elizabeth Lee, Joel, Ann, Peter, and James — and seven grandchildren.

## BOOK REPORT

**Digital Television: Bandwidth Reduction and Communication.** By Richard H. Stafford. Published (1980) by John Wiley & Sons, Inc., 605 Third Ave, New York, NY 10016. xiv + 387 pp. Illus. 9¼ x 6¼ in. Price \$34.95.

This book covers both theoretical and practical aspects of digital image processing. Three introductory chapters provide the theoretical groundwork on applicable pulse modulation systems and the principles of pulse code modulation (PCM) encoding. In Chapter 4, a detailed treatment (126 pp.) is given for modern techniques of bandwidth reduction; the techniques treated include statistical reduction, direct digital processing, differential PCM, delta modulation, bit-plane encoding, contour interpolation, frame-to-frame correlation, significant-bit selection, transform-coding methods, and channel-sharing techniques.

The technique of pseudorandom noise coding (PRN) is then explained, and a new method is introduced for combining PRN and PCM. It is also shown how PRN sampling can be combined with pulse-position modulation (PPM).

Other topics discussed are the convolutional codes and the Reed-Solomon codes (the latter codes have powerful error-correcting properties and simple decoding algorithms).

There is also a useful detailed *Bibliography* of research on digital TV communications systems and error-correction coding. Especially welcome in a field containing a rapidly growing vocabulary of abbreviations is a detailed list of *Symbols and Abbreviations*, providing a definition as well as a citation to the page on which each term is discussed.

## DISCOVISION™

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### Advertisers Index

Adams-Smith	112
Agfa-Gevaert N.V.	103
Ampex AVSD	111
ASACA	97
Bogen Photo Corp.	120
Camera Mart, Inc.	104
Canon	125
Central Dynamics Corp.	117
Century Precision Cine/Optics	122
Cinema Products Corp.	121
Colorado Video, Inc.	106
Compact Video Systems	115
Crosspoint Latch	108
Discovision Assoc.	126
Electro-Voice, Inc.	113
Elmo Manufacturing Corp.	110
Frezzolini Electronics, Inc.	118
Fujinon, Inc.	127
Fuji Photo Film USA, Inc.	119
Gray Engineering Labs	118
IEEE Transactions on Comm.	124
International Cinema Equip. Co.	126
US JVC	105
Key Systems	128
Lab Methods Corp.	123
LaVezzi Machine Works, Inc.	114
Lenco, Inc.	109
MCI/Quantel	101
MGM Film Co.	126
MPE	130
Professional Services	122
RCA Selectavision	128
RTS Systems, Inc.	129
Seiki Co., Ltd.	116
Sony Video Products	98-99
Studer Revox	124
Tentel Corp.	116
Thomson-CSF Broadcast	107

# The new 17x8.5 high speed EFP zoom from FUJINON.



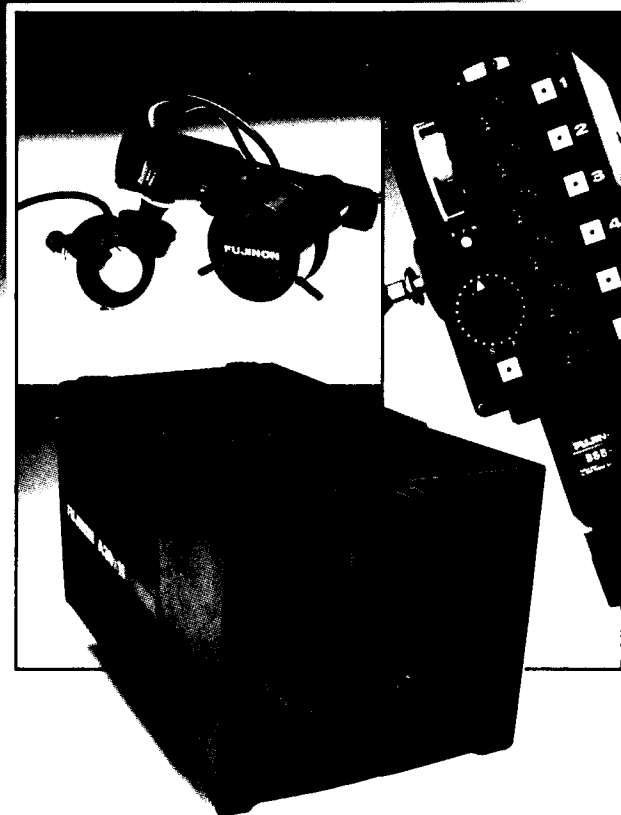
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