

Classified

Employment Service

These notices are published for the service of the membership and are inserted for three months, at no charge to the member.

Positions Available

Advanced Television Technology Center has the following job openings:

RF Engineer. Skilled in the testing of TV broadcast systems. Duties include operation and maintenance of the RF test bed located at ATTC. Knowledge of video, audio, digital communications systems, and especially RF equipment. BSEE and experience in troubleshooting required; MSEE desired.

Advanced TV Systems Engineer. Skilled in analog and digital TV broadcast systems. Duties include addressing the issues involved in development, testing, and verification of DTV systems and standards. BSEE and knowledge of video, audio and digital communication systems required. MSEE and experience in direct-ing technical programs desired.

Digital Compression Specialist. Requirements are the same as for the position above with the addition of knowledge of MPEG systems.

Contact Stanley Salamon, ATTC, 1330 Braddock Place, Ste. 200, Alexandria, VA 22314. (703) 739-3850, fax: (703) 739-3230. E-mail: ssalamon@pbs.org.

Audio/visual Systems Project Manager. Must have experience in design/installation of presentation systems for board-rooms, training rooms, and video/data projection alignment and installation. AutoCAD skills and project management expertise required. Send resume to Debbie Hamner, Hoffman Video Systems, 1049 Flower St., Glendale, CA 91201. Fax: (818) 507-7118.

Chief Engineer. Responsible for engineering and maintenance of all-digital post-production facility and for design and project management of installation of video production equipment and systems. Supervise technical maintenance staff, budgets, and capital planning and construction scheduling. College degree and minimum of 5 years experience in supervisory capacity required. Send resume and salary history to Encore Media Corp., Chief Engineer, #182, P.O. Box 4917, Englewood, CO 80155.

Chief Engineer. Heavy transmitter and maintenance experience required to maintain high on-air quality and to build for the future. Send resume to General Manager, WBFX-TV, 622-G Guilford College Rd., Greensboro, NC 27409. (910) 547-0020. Fax: (910) 547-8144. EEOC.

Director, School of Film; Associate/Full Professor, Tenure Track. Position available July 1, 1997. Responsible for leadership, management, and administration of the School of Film and its programs. Teach in areas of interest/expertise. Requires degree or equivalent professional experience suitable to MFA and MA programs in film. Send resume and 5 references to Dr. Marilyn Bradshaw, College of Fine Arts, Ohio Univ., 54 E. Union St., Athens, OH 45701.

EFX Systems has the following positions open:

Chief Technician. Specific expertise in digital audio workstations (Synclav, Post Pro, Fairlight). Knowledge of IBM/Macintosh computers and networking systems. Departmental management background.

Technician. Analog console background with experience in Neve V series and/or Harrison Series 10. Digital audio workstations background needed; knowledge of IBM/Macintosh systems a must.

Fax resume/salary history to Mike Morongell, EFX Systems, (818) 848-0706.

Electronic Maintenance Technician. With strong interpersonal skills to work with production team and local cable affiliates. Maintain sophisticated broadcast TV production and distribution equipment. Two years of college level electronics and computer technology education, 5 years of directly related TV electronic maintenance experience, and good working knowledge of all common PC applications. Contact NewSport, Dept. LK, 40 Seaview Blvd., Port Washington, NY 11050.

Regional News Network has the following open positions at its station:

Chief Engineer. Requires experience in UHF transmitter operation and installation of studio, production, master control, and microwave systems. Responsible for preventive maintenance programs and for staffing, supervision, and building maintenance. General license required; SBE certificate a plus.

Asst. Chief Engineer. Capable of component-level maintenance on variety of broadcast equipment. Computer configuration and networking skills necessary. UHF transmitter experience a plus.

Maintenance Engineer. With 2 years experience in component-level repair of ENG and studio cameras, video recorders, routing and production switchers, etc. Transmitter and/or SBE certification preferred.

Fax resumes to D. J. Brumfield, (914) 339-0115.

RF Engineer. Primary responsibilities are to install, operate, and maintain fixed and portable RF communication systems and microwave and satellite equipment. Must

be experienced and able to travel to remote locations to set up communications and transmission wherever breaking news occurs, worldwide. Send resume to RF Engineering Position, Dir. Technical Operations Recruitment, CBS Inc., 524 W. 57th St., New York, NY 10019.

Senior Design Engineer. Requires strong background in real-time embedded software design and development, skills in C++ design and coding, assembly language programming, and network interfacing. Must have a practical understanding of DSP, familiarity with RISC and multi-processor systems, hardware knowledge, and some background in pro audio. Prefer BS/MS degree in EE or CS, and 5-10 years experience. Fax, mail or e-mail resumes to Euphonix Inc., 220 Portage Ave., Palo Alto, CA 94306. Fax: (415) 855-0410. E-mail: hr_dept@euphonix.com. Specify Job Code ENG-0002/96.

Staff Engineer. Post-production/broadcast facility in Charlotte, N.C., has immediate opening. Must have degree in electronics and 5 years experience as an engineer, EIC, or maintenance technician at a post-production facility or advanced television broadcast operation. Send resume, references, and salary requirements to David Whaley, Creative Post and Transfer, 377 Carowinds Blvd., Fort Mill, SC 29715. Fax: (803) 548-3153.

Vice-President of Technology and Engineering. Minimum qualifications include BSEE, experience in all facets of electronic post-production, and a proven management record. Qualified candidates should send resume/salary history in confidence to Richard O'Hare, Pres., Todd-AO Video Services via fax at (213) 465-6172, or e-mail to rick_ohare@todd-ao.com.

Video Engineers. Post-production facility has positions available for experienced video engineers in the areas of second shift telecine (Rank experience preferred), and first and second shifts for videotape and general system coverage. Send resumes to Hollywood Digital, 6690 Sunset Blvd., Hollywood, CA 90028, Att: V.P. of Engineering. Fax: (213) 469-8055.

Positions Wanted

Broadcast Engineer. Manager of technical team of a broadcast company wishes to relocate from South Africa to U.S. Have designed and built OB vans, edit suites, etc. Experienced in maintenance and repairs on Betacam, switchers, DVEs, distribution amplifiers, etc., and in budgeting, planning, and upgrading. Contact Andre Veenhuis. WWW: andre+lenise@mega-web.co.za. Tele: 2711 425 3029.

Information for Authors

The *SMPTE Journal* publishes papers on technical, engineering, and scientific developments in motion pictures, television, and related fields, including desktop video, multimedia, and computers.

Manuscripts should be submitted to:

Jeffrey Friedman, Editor/Publisher
SMPTE Journal
595 West Hartsdale Avenue
White Plains, NY 10607

Review: Every paper submitted to the SMPTE is reviewed by the Society's Board of Editors. The identities of the reviewers remain confidential, so they may feel unconstrained in their evaluations. Every paper is sent to three or four reviewers who are knowledgeable in the subject of the paper. Once the paper is reviewed, the editor informs the author of its acceptance or rejection. On the basis of the reviewers' remarks, the editor often suggests revisions to improve the paper. In addition, every manuscript undergoes copyediting and styling by the editorial staff to ensure accuracy, consistency, and readability.

Content: The *Journal's* primary objective is to follow the progress of engineering developments in the motion imaging fields. Controversial papers are welcome, providing they are substantiated by reliable data.

Technical articles must be informative and well organized. They must record original work or review previous work, giving proper credit. Results of actual experience and research should be given. Commercialism is unacceptable.

Manuscript Submissions on

Disk: The *SMPTE Journal* is published on an Apple Macintosh desktop publishing system using Microsoft Word and QuarkXPress. Authors are encouraged to submit manuscripts on 3.5-in. disks. Most Macintosh, DOS, and Windows applications are acceptable. Disks should be accompanied by hard copy. For further information, please contact the editor.

Preparation of Manuscript:

Manuscripts should be printed in black on one side of 8 1/2 x 11-in. (22 x 28-cm) paper with 1 1/2-in. (4-cm) margins. *All material, including abstract, main text, references, figure*

captions, and tables, should be double-spaced. Number all pages consecutively.

To accelerate the reviewing of manuscripts, an original copy and three good-quality photocopies of all text and illustrations are requested.

Title Page: The author's first and last name should appear at the top of the first page. At mid-page the title should appear—succinct, accurate, and suitable for later indexing.

Abstracts: Below the title should be a complete, self-contained, informative abstract of about 100 words giving the objective of the paper and an outline of its contents.

Text: The body of the paper should develop the main argument, starting with introductory material and advancing toward a summary. All illustrations must be referred to in the text by figure number. Source materials should be keyed (in order of appearance) to the references by superscript numbers in the text. Footnotes should be avoided, where possible, by making parenthetical notes in the text. Mathematical symbols, abbreviations, acronyms, etc., that may not be familiar to the average reader should be spelled out the first time used, or defined in the text.

Subheads: Appropriate subheadings, inserted throughout the paper, are a useful service to the reader and an aid to rapid comprehension of the information. Usually, one order of subheadings is sufficient.

References: These should be typed on a manuscript page at the end of the text listed in order of appearance. References to periodicals should include the author's name, full title of article, periodical title, volume, inclusive pagination, and month and year of publication. Book references should contain the name of the author, title of book, edition (if other than the first edition), name and location of publisher (the street address is not usually required), year of publication, and the relevant page number(s). Examples of references style can be found at the end of many articles appearing in recent issues of the *Journal*.

Figure Captions: These should be typed on a separate sheet following the references. Captions should be concise.

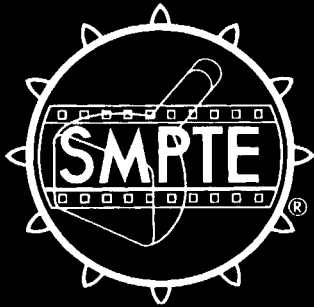
Illustrations: All figures should be labeled with author's name and figure number. Photographs should be black-and-white prints (preferably 8 x 10 in.; 20 1/2 x 25 1/2 cm) without halftone screen.

Line drawings (graphs or sketches) can be original drawings or high-quality photographic reproductions. Choice of lettering size on illustrations should be dictated by the width of the original and the scale at which it will finally be printed. Keep in mind that most illustrations will be reproduced in small size—one or two *Journal* columns wide (2 1/8 or 4 1/2 in.; 5.4 or 11.4 cm). The minimum height of capital letters as printed in the *Journal* should be 1.3 mm (0.05 in.).

Abbreviations

When preparing a paper for submission to the *SMPTE Journal*, the following abbreviations should be used:

ampere	A
ampere hour	Ah
bit or bits	spell out
byte or bytes	spell out
decibel	dB
degree	°
foot	ft
frames per second	frames/sec
gigabit	Gbit
gigabyte	Gbyte
gram	g
hertz	Hz
hour	hr
inch	in.
kelvin	K
kilobit	kbit
kilobyte	kbyte
kilohertz	kHz
megabit	Mbit
megabyte	Mbyte
megahertz	MHz
meter	m
micrometer	µm
microsecond	µsec
millimeter	mm
milliseconds	msec
minute	min
nanoampere	nA
nanosecond	nsec
ohm	Ω
second	sec
volt	V
watt	W



31st SMPTE Advanced Motion Imaging Conference

The Age of Compression:
Nonlinear Editing, Digital Broadcasting, and Other Wonders

February 6-8, 1997

Crowne Plaza Manhattan
New York, N.Y.

Sessions

Four sessions with an emphasis on the transition to digital technology and nonlinear systems, including video servers, graphics devices, and storage systems associated with the latest broadcast technology.

SMPTE Sessions:

- *Nonlinear Editing:
Technical and Operational Issues*
- *Digital Distribution*
- *Storage Technologies Using Compression*
- *Advanced Television*

Two Day-Long Seminars to Follow Conference

- *Shooting on Film, Editing Nonlinear, Completing on Film and Video: What Procedures are Available for the Filmmaker?*
Saturday, February 8, 1997, 9:30 a.m. - 5:30 p.m.
Crowne Plaza Hotel
- *A Technical Introduction to Digital Video*
Presented by Charles A. Poynton
Saturday, February 8, 1997, 9:30 a.m. - 5:30 p.m.
Astor Ballroom, Marriott Marquis
(one block from Crowne Plaza)

Registration Form

	Before Extended to 1/10/97	After 1/10/97
Please mark registration and tickets desired.		
Member: Conference & Seminar (Luncheon & Reception Incl.)	\$385 <input type="checkbox"/>	\$485 <input type="checkbox"/>
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Nonmember: Conference & Seminar (Luncheon & Reception Incl.)	485 <input type="checkbox"/>	585 <input type="checkbox"/>
Nonmember: Conference Only (Luncheon & Reception Incl.)	330 <input type="checkbox"/>	430 <input type="checkbox"/>
Student Member: (Conference, Seminar) (Luncheon & Reception Incl.)	60 <input type="checkbox"/>	70 <input type="checkbox"/>
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Seminars Only

• Shooting on Film

Member	\$100 <input type="checkbox"/>	\$125 <input type="checkbox"/>
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Members of AIVE, IFP, I.A., DGA, ITVA, ITS, AICP and Women in Film receive SMPTE member rates on Shooting on Film seminar registration only. Please specify your organization _____

• A Technical Introduction to Digital Video by Charles Poynton

Member (Book Incl.)	\$135 <input type="checkbox"/>	\$155 <input type="checkbox"/>
Nonmember (Book Incl.)	160 <input type="checkbox"/>	175 <input type="checkbox"/>

Social Events

Partner's Program	\$125 <input type="checkbox"/>	\$150 <input type="checkbox"/>
Get-Together Luncheon	50 <input type="checkbox"/>	60 <input type="checkbox"/>

AUTHORS: Two days Papers Program Complimentary: Seminar \$100. 100 100

TOTAL AMOUNT DUE \$ _____ \$ _____

- Cancellations must be made in writing. A \$50 administrative fee will be incurred.
- No refunds or cancellations postmarked after January 20, 1997.
- Registration credentials will be available for pickup on site.

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An international, award-winning technical society devoted to advancing the theory and application of film, television, video computer imaging, telecommunications, and the associated arts and sciences. SMPTE — nearly 10,000 members in 72 countries and 28 Sections worldwide.

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