

Industry News & Educational Activities

Chicago Section's Fifth Annual Chairman's Reception and Banquet

The SMPTE Chicago Section held its Fifth Annual Chairman's Reception and Awards Banquet 29 November at the Swedish Club of Chicago. More than 100 members and guests were there.

Eight Past Chairmen of the Chicago Section were honored for their devoted efforts which were largely instrumental in achieving the Section's success: Kenneth Mason, Eastman Kodak Co. (1956-57); Jack Behrend, Behrend's, Inc. (1965-66); Al Hilliard, George W. Colburn Laboratory (1967-68); Chuck Zichterman, Petersen Enterprises (1971-72); Matt Herman, George W. Colburn Laboratory (1973-74); Byron Friend, Telecine Film Studio (1975-76); Edward Blasko, Eastman Kodak Co. (1977-78); and George Halonen, George W. Colburn Laboratory (1979-80). We were especially pleased to honor Ken Mason, who proceeded from the chairmanship of the Chicago Section to become President of the SMPTE.

The evening began with welcoming remarks by the chairman of the reception, Edward Blasko. The Awards Presentation, conducted by George Halonen, Section Chairman, took place during the banquet. Plaques were presented to the individuals who contributed to the success of the Section during the past year, including Managers, Section Officers and Committee Members. Special recognition was given to Toni Roth, of Image Transform, for her recent election to the governorship of SMPTE's Central Region.

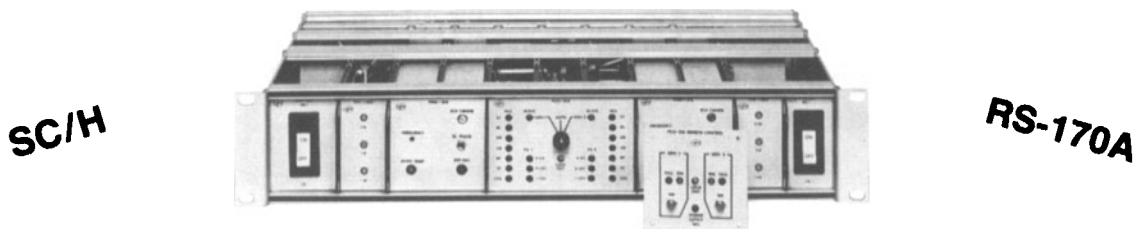
The evening concluded with informal discussions among various groups and dancing to the music provided by the Allan Kaye orchestra. Among the many pleasant aspects of the event was the opportunity of getting together with old friends and discussing matters of mutual interest.

Assisting Reception Chairman Edward Blasko were Byron Friend, Arrangements; Ken-



Honored for their service to the Chicago Section were (front row) Edward Blasko, Chuck Zichterman, Ken Mason and Al Hilliard. In the back row are George Halonen, Matt Herman, Byron Friend and Jack Behrend.

NO COMPROMISES! LENCO BRINGS YOU ALL THESE ADVANCED FEATURES:



A Master Sync Generator System designed to exceed your most demanding requirements. Dual sync generators with automatic changeover is just the start. A dual system all the way, starting with the power plug. The PCO-318 Automatic Changeover is the first to give fault indication of pulses from both generators and voltage failure from both power supplies. Remote control gives status and alarm of both generators. A chrominance subcarrier stability of 3.5Hz over 10 years. Color black plus many more advanced features puts the Lenco Master Generator System at the top of the list.

LENCO, INC.
ELECTRONICS DIVISION

300 N. Maryland St.
Jackson, Missouri 63755
314/243-3147



**A YEAR AGO
NOBODY BUT SHARP'S
ENGINEERS SWORE BY
THE XC-700.**



TODAY THE PROS

**"WE DON'T SEE A \$27,000
DIFFERENCE BETWEEN SHARP'S
XC-700 AND A \$44,000 CAMERA."**

*—Larry Hatteberg, Chief Photographer
KAKE-TV (ABC's Wichita Affiliate).*

"My cameramen were pretty skeptical when Sharp® introduced the XC-700 last year.

Like a lot of pros, they just didn't believe that a \$12,000* camera could be any good. But we were looking for an economical way to go from film to tape, so we decided to give Sharp a shot.

We started using the XC-700 at the Democratic Convention last summer. And by the time we were covering the World Series, we were believers.

In fact, we've got seven XC-700's in our news department right now, and we're just one camera away from being an all Sharp operation.

So we've made the transition to tape long before I ever thought we could.

And we've done it with a minimum of compromise.

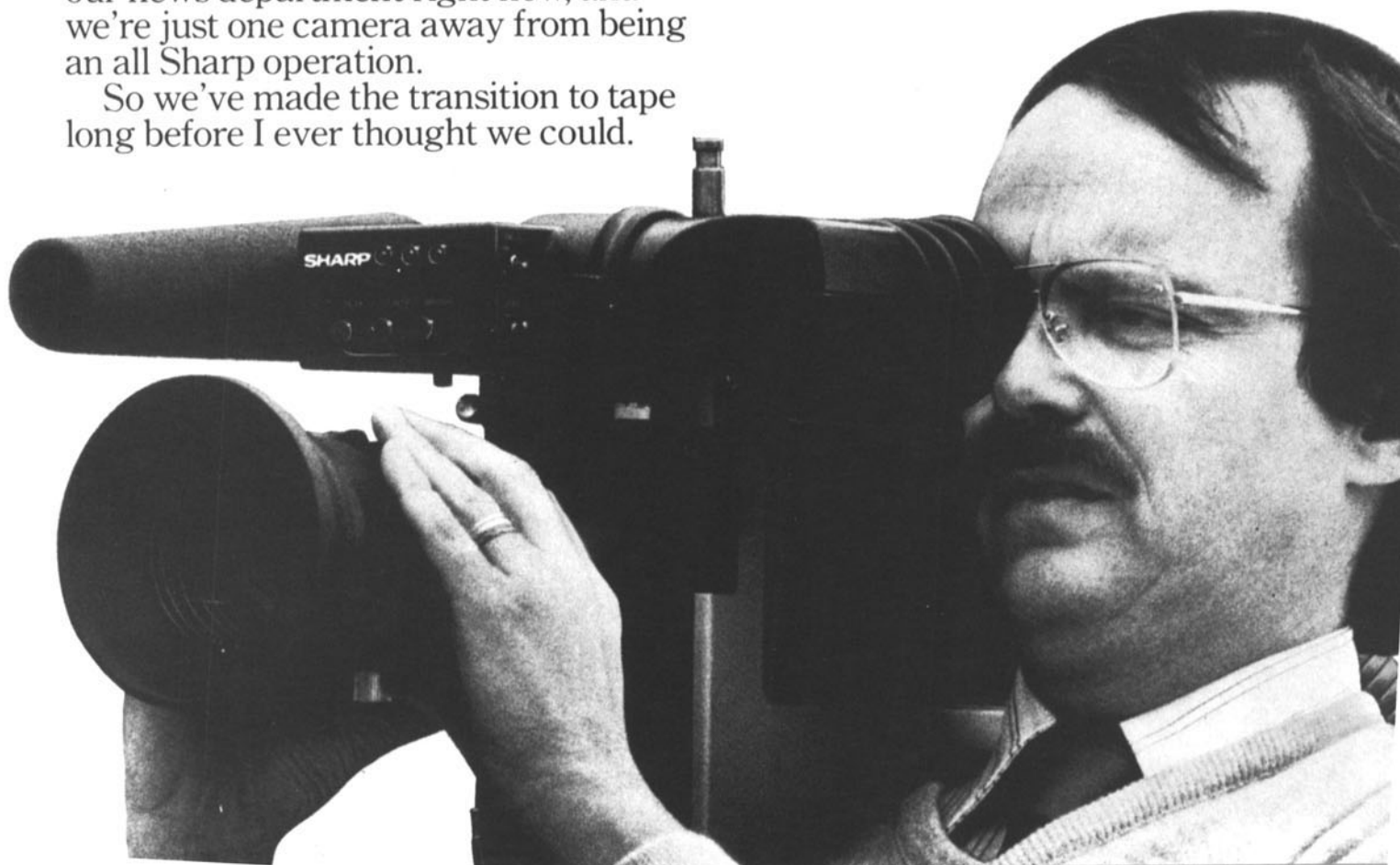
Of course, there will always be differences between an XC-700 and a \$44,000 camera. But reliability isn't one of them.

For day-in, day-out reporting, the XC-700 has held up as well as any camera we've ever used, even the most expensive ones.

It's also easy to handle. With the controls up front where a cameraman would expect to find them. And more features pound for pound than all the cameras I've seen in its class.

They say it was designed by cameramen, not engineers. But all I know is that the XC-700 has given our station a lot more for its money.

For \$44,000, we didn't just get a lot of camera. We got a lot of cameras."



SWEAR BY IT TOO.



**“FOR SHOOTING IN LOW LIGHT,
SHARP’S XC-700 BEATS
ANYTHING IN ITS CLASS.”**

—*Sue Hartung, Chief Photographer
WLUK-TV (ABC’s Green Bay Affiliate).*

“Some of my best stories have been shot under the worst possible conditions. But with Sharp’s XC-700, the last thing I worry about is the light. I’ve covered warehouse fires and a bombing at night, with nothing but police lights or an occasional street light to shoot by. I’ve gotten shots of children touring a hospital, where the lights were kept low enough to read X-rays by. I’ve even photographed an operation for the removal of a brain tumor. And in every case, the Sharp® XC-700 really showed me something. It also surprised a few of my colleagues at the station, because we’ve all had bad experiences

with cheaper cameras in the past. So it’s refreshing to find a camera in the \$12,000 range* that’s loaded with features and that has one other important thing going for it. Dependability. In our business, that’s the name of the game. Because our territory is 20 counties and our average story is an hour away, so I only get one shot at stories I’ve worked on for hours. And if I don’t get it with the camera, I don’t get it on the air.”

For more information and more field reports from other working professionals, contact your local dealer or write: Sharp Electronics Corporation
Professional
Products
Dept. SMP-5
10 Keystone Place
Paramus, New
Jersey 07652

SHARP



Toni Roth accepts an award from Section Chairman George Halonen. She was given special recognition for her election to the Governorship of SMPTE's Central Region.

neth Knaus, Publicity; Toni Roth, Table Arrangements; Jack Oberhart, Reception; Roland Johnson, Finance; Lee Gluckman, Entertainment; and John Ehrenberg, Table Sales.

— Kenneth R. Knaus

The Fourth International Conference on Video and Data Recording will be held 5-7 April 1982 at the Kensington Conference and Exhibition Center in London. The conference is being organized by the Institution of Electronic and Radio Engineers in association with the Society of Motion Picture and Television En-

gineers, the Audio Engineering Society, the Institution of Electrical Engineers, the Institute of Electrical and Electronics Engineers, the Institute of Physics, and the Royal Television Society. Chairman of the Organizing Committee is R. Larry of the British Broadcasting Corp.

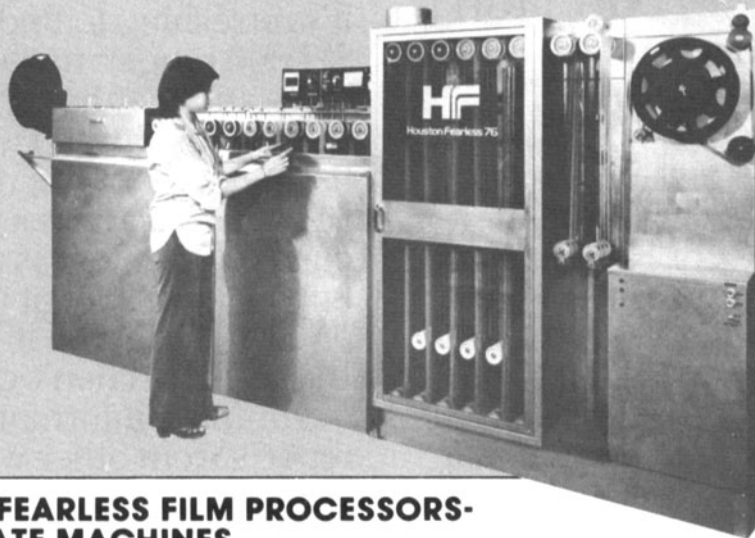
Session topics will include: Theory of Recording Processes; Magnetic and Other Recording Media; Recording Techniques and Hardware; Coding, Modulation and Signal Processing; Digital Audio and Video Recording; Mass Storage and Retrieval; and New Techniques, Applications and Systems.

The 196 1-in high energy videotape with a 100% cobalt-doped oxide formulation has been developed by Ampex Corp., 401 Broadway, Redwood City, CA 94063. The new formulation uses an all-cobalt-doped ferric oxide which replaces a chromium dioxide-ferric oxide blend. A new, tightly cross-linked co-polymer binder system and improved processing techniques have also been introduced to maximize electrical and physical performance on all B and C format VTRs. Video signal-to-noise in the luminance channel has been improved by 1-2 dB with a corresponding improvement in chrominance signal-to-noise. Dropouts have been reduced. Intrinsic coercivity has been increased to 650 Oe, resulting in greater RF signal recorded and recovered in playback. Retentivity is 1200 gauss compared with 1000 gauss in the prior formulation. The new formulation also provides lower scanner and guiding surface friction. The new formulation has undergone extensive worldwide field testing on all 1-in formats using all color standards, Ampex announced.

Books, Booklets, Brochures

The Proceedings of the 19th Session of the Commission Internationale de l'Eclairage held 21-28 August 1979 in Kyoto (CIE Publication 50) have been published and the volume is available from Jack L. Tech, Secretary, National Bureau of Standards, Washington, DC 20234. The price is \$115. The publication contains the minutes of Opening and Closing Plenary Meetings, an invited lecture by Mitsukuni Yoshida on "The Traditional Culture of Japan," six general papers, the minutes of meetings of 25 Technical Committees, the minutes of three Study Groups, and 76 contributed papers dealing with many researches in the lighting field in different countries.

The 1981 A-V Connection: The Guide to Federal Funds for Audio-Visual Users is designed to help librarians, educators and media managers for schools and school districts apply for federal grant programs that will help them buy the audiovisual materials, equipment and services they need. The book is available from NAVA, 3150 Spring St., Fairfax, VA 22031, at a price of \$33. *The A-V Connection* contains information on how to apply for 44 federal education programs that are the most likely sources of A-V program funds. The 1981 edition of *The A-V Connection* comes with a complimentary one-year subscription to *NAVA Actionfacts*, NAVA's federal funding newsletter that reports on current developments in education legislation and provides deadlines and other details of new federal education programs as they develop.



HOUSTON FEARLESS FILM PROCESSORS—THE ULTIMATE MACHINES

Houston Fearless makes the best motion picture film processors in all types and sizes, from the compact Little Max to the high speed Advanced Labmaster and the Advanced Colormaster models and all the sizes in between. Each is a superior machine in all respects, tailored to your specific needs and priced to fit your budget. Our

business is to keep you in the business of processing film with reliable machines and professional backup - and more. When you need help, we'll send an expert to survey your entire film processing system and give you a professional evaluation.

The survey is free and the facts could be invaluable. Want more details? Call or write! We'll get back to you - fast!



Houston Fearless 76

833 East Walnut Street, Carson, California 90746 U.S.A.
(213) 538-4930 TWX: 910-3466701

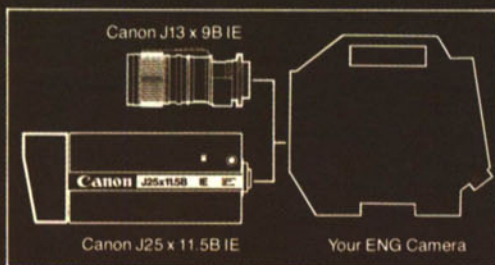
Two Assignments

Canon J13x9B IE plus Canon J25x11.5B IE and your camera

Two assignments, one location. For example, get great action shots of a football game and also get player interviews at half-time. You can do it with one cameraman and *one camera*—like the one shown here—with Canon's amazing E.F.P. lenses. Here's how:

Mount our J25 x 11.5B IE on a tripod at your principal location. It's 2/3" system was designed specifically to work with ENG cameras, yet this lens provides a 25-to-1 zoom ratio, power zoom and focus, automatic iris and the image quality you'd expect from a Canon broadcast lens. Another choice is the Canon J20 x 8.5B IE, with a 20-to-1 zoom ratio. (Both these lenses have built-in extenders, too!) With your ENG camera attached, you've got full capability.

Detach your camera from the fixed lens, mount the famous



Canon J13 x 9B IE and head for the locker room!

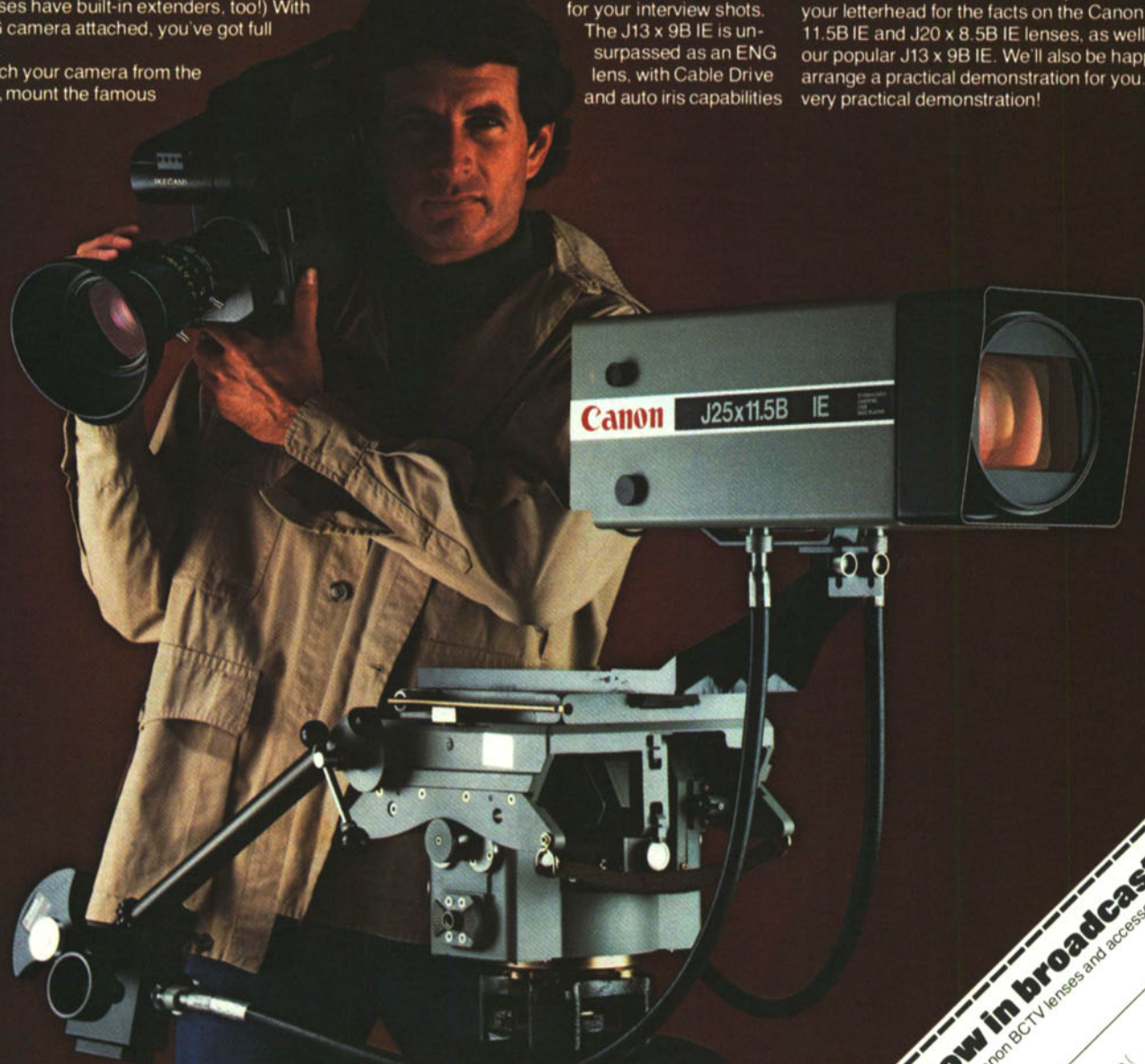
You've got a 13X, f1.6 lens now and can move about freely for your interview shots.

The J13 x 9B IE is unsurpassed as an ENG lens, with Cable Drive and auto iris capabilities

plus built-in extenders and auxiliary wide-angle and telephoto accessories available as well.

Electronic Field Production is a reality. A practical reality because you don't have to send two crews or even two cameras to a single location if all you really need is one ENG camera and two Canon lenses. And, costs notwithstanding, sometimes you just don't have enough cameras to go around. Selecting the right combination of Canon lenses could actually double the utility of the ENG cameras you already own. And that's something even your accountant can appreciate!

Find out more. Use the coupon or write on your letterhead for the facts on the Canon J25 x 11.5B IE and J20 x 8.5B IE lenses, as well as our popular J13 x 9B IE. We'll also be happy to arrange a practical demonstration for you. A very practical demonstration!



Canon®

Optics Division

Canon U.S.A. Inc. Head Office: One Canon Plaza, Lake Success, N.Y. 11042 (516) 488-6700
 140 Industrial Drive, Elmhurst, Ill. 60126 (312) 833-3070 • 13 Paularino Avenue East, Costa Mesa, Ca. 92626 (714) 979-6000
 Canon Optics & Business Machines, Canada Ltd., 3245 American Drive, Mississauga, Ontario L4V1B8, Canada
 Canon Amsterdam N.V., Industrial Products Division De Boelelaan 8, Amsterdam, Netherlands

© 1981 Canon U.S.A. Inc.

The name to know in broadcasting.
 Please send me information on Canon BCTV lenses and accessories.

Name _____ Title _____
 Company/Organization _____
 St _____ City _____ State _____ Zip _____
 Phone () _____

Optoelectronics/Fiber-Optics Applications Manual, 2nd ed., by Hewlett Packard, is available from McGraw-Hill, 1221 Ave. of the Americas, New York, NY 10020, at a price of \$27.50. The book (400 pages, 200 illustrations, 8½ × 11 in) contains detailed coverage of both device technology and applications in an updated and expanded second edition. Prepared by the applications engineering staff of the Hewlett-Packard Optoelectronics Div., the book provides the technical information needed to design circuits, specify components, and solve problems in optoelectronics and fiber optics engineering. It includes numerous circuit and software examples, many of which can be used directly in circuit designs.

Focusing on the solutions of technical problems that are regularly encountered in the field, the *Manual* deals with the areas of fiber optic systems, optocouplers and optoelectronic displays and lamps. Also examined are the related subjects of photometry and radiometry, contrast enhancement in visible displays and the reliability and mechanical handling of optoelectronic components.

Satellite Circuit, a quarterly periodical published by RCA American Communications, Inc., describes how the carrier's various customers utilize satellite communications to transmit voice, data, facsimile, video and audio to other company locations or to the public in general. Featured in the current edition (1981 No. 1) is the use of RCA American's SATCOM satellite system to transmit live television coverage of Voyager I's Saturn fly-by. A special pull-out section details the characteristics of RCA Americom's

second generation SATCOM communications satellites. Copies of *Satellite Circuit* are available upon request from Public Affairs, RCA Americom, 400 College Road East, Princeton, NJ 08540.

Correlation: A Powerful Technique for Digital Signal Processing is a 22-page application note available upon request from TRW LSI Products, P.O. Box 2472, La Jolla, CA 92038. The booklet describes the firm's TDC1023J all-digital correlator. The application note explains the basic theory of correlation, a comparison process that measures the similarity between two signals. It also describes the operation of the TDC1023J, a 64-bit monolithic digital correlator capable of working at a 20-MHz rate.

The Model D-8800 Graphics Generator System is described in an illustrated brochure available upon request from 3M, Dept. MN81-11, P.O. Box 33686, St. Paul, MN 55133. The system is a television titling and graphics production system designed around microprocessor technology. The design is based on the concept of maximizing software control to produce a flexible television graphics systems that would be simple to operate.

The Video Distribution Switching System, Model 9100, is described in an illustrated brochure available from Cohu, Inc., Electronics Div., P.O. Box 623, San Diego, CA 92112. The switcher features simple, solid state modular construction, wide bandwidth, fast rise time,

low crosstalk, and monochrome or color handling capability.

The latest editions of the **Video Rental Catalog** and the **Film Rental Catalog** have been announced by Victor Duncan. In addition to listing Victor Duncan equipment, the catalogs contain explanatory notes and application suggestions. Either or both catalogs are available upon request from Publications, 2659 Fondren, Dallas, TX 75206.

Reprint Permission

An author or his company may reproduce his article after it is published in the *JOURNAL*. Appropriate credits should be given to the *JOURNAL*, for example, "Reprinted with permission from the *SMPTE JOURNAL*, Vol. 90, pages 10-15, Jan. 1981. Copyright © 1981, Society of Motion Picture and Television Engineers, Inc." (This permission is not assignable.)

All others wishing to reprint any part of the *JOURNAL* must obtain permission in writing from the Editor.



CINE 60
NEW YORK
... The Original

The Total VTR Battery System

- Power-packed, higher performance Nicad Cells deliver more VTR running time, longer life, never need maintenance, fast charge in one hour.
- Exclusive electronic circuitry and quality construction provides the identical total reliability of Cine 60 Powerbelts... standard of the industry.
- "Total Charge Capability, anywhere..."
- On location, fast charge from any 12 Volt car system — unattended, in one hour, with our 3 lb. Car Fast Charger — no heavy inverter needed.
- From A.C., one hour fast charge with our 3 lb. Universal Model 9400 or BP 2500.
- Fast Charge four batteries — automatically and unattended — with our new, multiple, High Frequency, Regulated Fast Charger, one per hour, four in 4 hours.
- Standard charge 2 batteries overnight, with our two channel, regular Charger.
- Directly replaces original VTR batteries — Sony BP-20, BP-20A, BP-50, BP-60, BP-80, BP-90 and JVC/Panasonic PBP-1.
- See your local authorized Cine 60 Dealer. Ask about the Total VTR Battery System you need.

There's Always Something New From Cine 60

CINE 60

630 Ninth Ave. New York, N.Y. 10036 (212) 586-8782
6430 Sunset Blvd. Hollywood, Ca. 90028 (213) 461-3046
TWX: 710-581; TELEX: 645-647