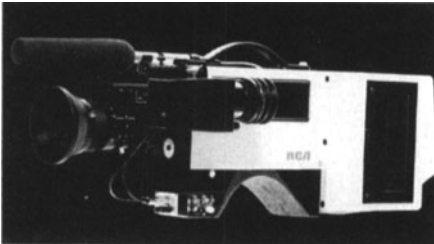


NEW PRODUCTS AND DEVELOPMENTS

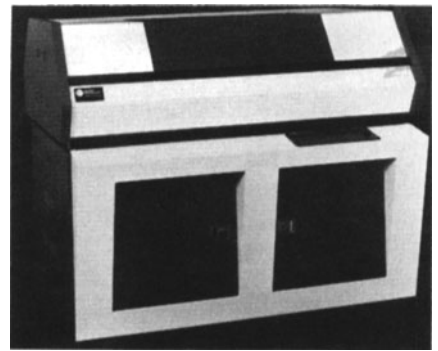


The **Hawkeye** color television camera/videotape recording system has been introduced by RCA Broadcast Systems. The new system combines a compact broadcast-quality color TV camera and videotape recorder in one handheld unit. The studio portion of the recording system includes a full-feature videotape recorder and complete editing capabilities.

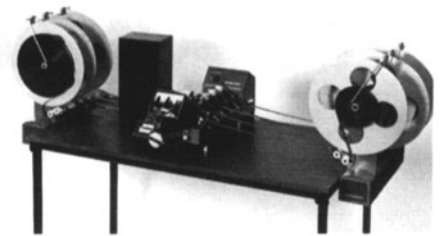
The recording camera system is a joint development of RCA Corp. and Mat-

sushita Electric Industrial Co. Ltd., with the camera designed and manufactured by RCA Broadcast Systems and the recording units manufactured by Matsushita to RCA specifications.

The single-unit recording camera with a combined weight of about 22 lb, including lens and batteries, makes possible one person handheld ENG or EFP operation. The Hawkeye system uses 1/2-in videotape as the recording medium in the same size cassette as that used in VHS videocassette recorders. Twenty minutes of recording time is provided on each cassette. The camera is a completely new design three-tube color camera which uses 1/2-in pickup tubes. The recorder uses new circuit technology, new head design, and a new recording approach.



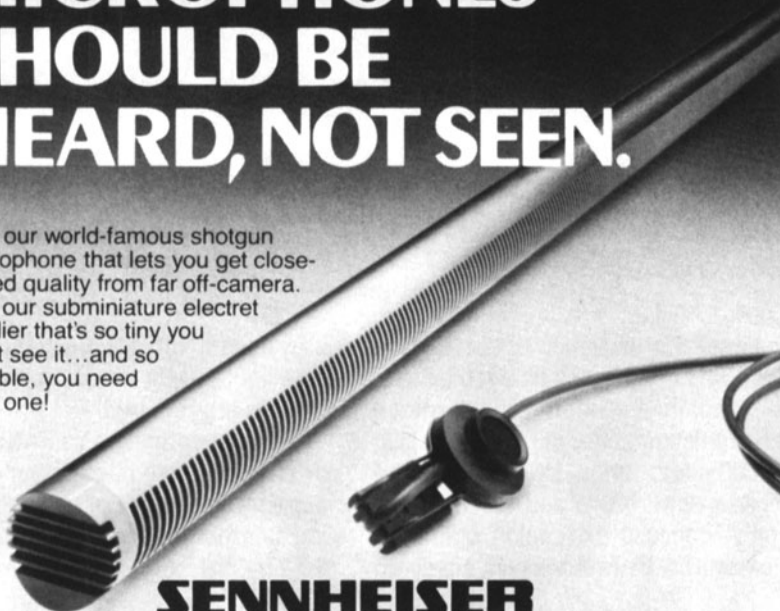
The **Optronics X4040** digital argon laser recorder/scanner has been announced by Optronics International Inc., 7 Stuart Rd., Chelmsford, MA 01824. The recorder is capable of generating continuous tone and screened black-and-white images on photographic film for raster map scanning and digitizing. It can write 1300 lines of data per minute at all rasters in a wide variety of orthochromatic film types. Maximum resolution is 25 μm with up to 64 gray levels. The system handles reflective material in either black-and-white or color, line art, or continuous tone. A 256-step gray scale modulation with 64 step repeatability over the entire 40 x 40 in is offered as standard depending on configuration. Output can be either continuous tone, line work or screened color separations, or line film with patterns or screened continuous tone. The X4040 features a personality module to simplify the interface to a computer and the selection of apertures and rasters. The price is in the \$250,000 range.



A **16-mm modular 10-plate editing system** has been announced by Acmade International, Oakside, Oxford Rd., Uxbridge UB9 4DX, Middlesex, England. The modular system is based on Acmade's 5-gang motorized rewind units which are mounted at each end of the table and are electrically connected to the Compeditor editing machine. One picture track and four soundtracks are controlled from the front-mounted switch panel. Features include instant reversing and stop-on-a-frame. The motorized rewinds

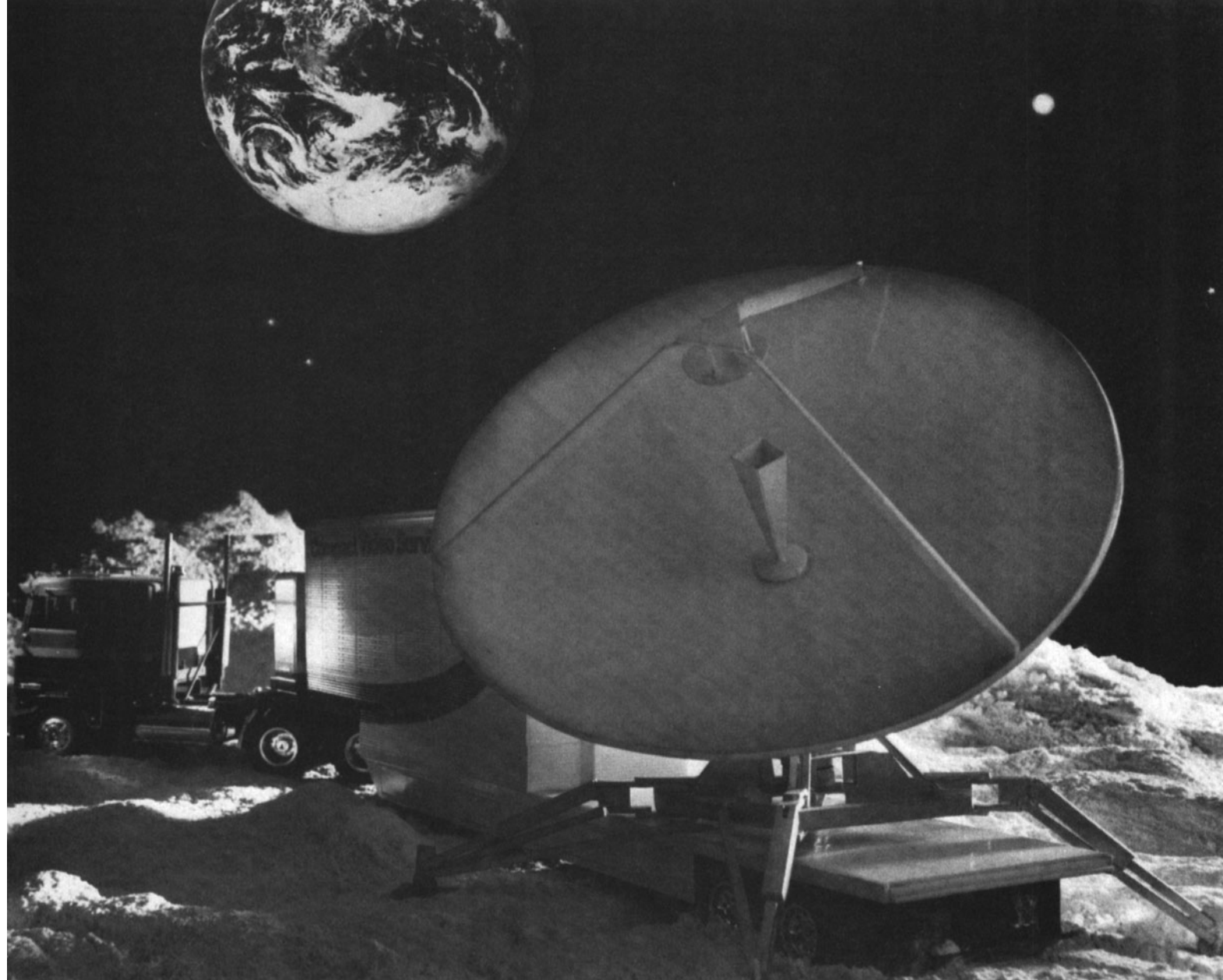
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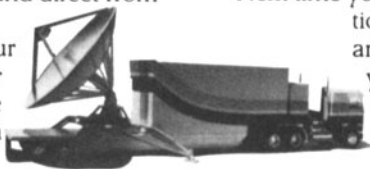
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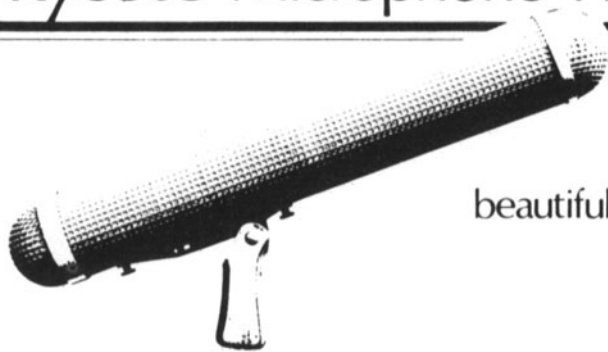


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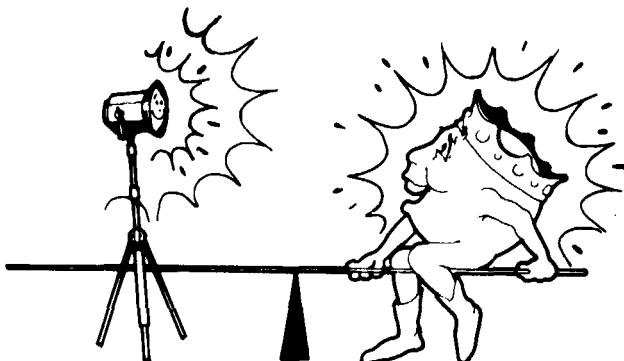
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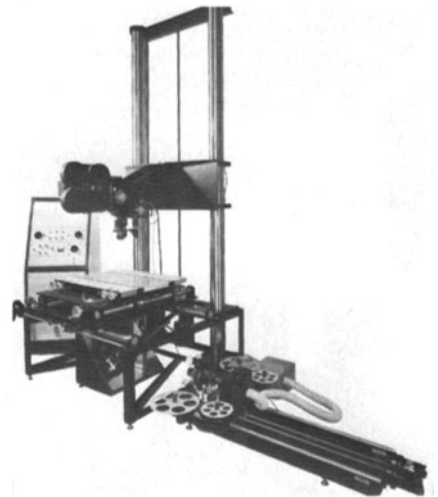
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provide independent take-up for each track so that reels of varying sizes can be quickly mounted or removed separately. The system has one soundtrack which can be disengaged and operated independently to provide a separate searching facility while the other three tracks remain interlocked and in sync with the picture track. Price of the Acmade modular editing table is about £2512.



The Model 4400 animation camera stand has been announced by Pioneer Cine Corp., 7702-4 Balboa Blvd., Van Nuys, CA 91406. It is a manual stand designed to be adapted to most commercially available computer systems. Features include the Acme camera; 16-mm and 35-mm components; linear/logarithmic fades and dissolves; precision lenses; automatic follow-focus; stepper motor camera drive; capping shutter, slide/filmstrip feature; 25- x 30-in compound with four peg tracks; double ring rotation; precision counters; hand cranks; and provision for underlight and aerial image projector.

Other features include self-aligning columns; roscope through the viewer or film movement; fade/dissolve lengths from 5 to 500 frames; camera speeds from 40 to 500 frames/min; pre-determined stop; and a device for photographing three-dimensional objects on the compound. Prices begin at \$50,000.

A photo-optical data analyzer, the 224-A Mk VI has been announced by L-W International, 6416 Variel Ave., Woodland Hills, CA 91367. It is a multi-voltage 16-mm analytical projector with the electronic frame counter installed in the remote control box. It can operate on voltages from 100 to 240 and can also operate at frame



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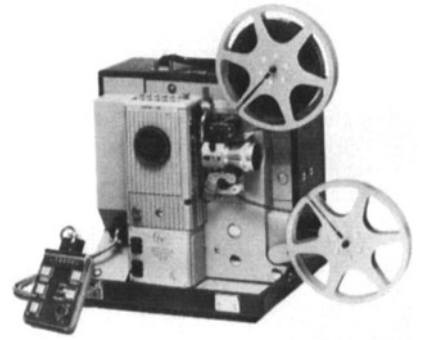
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Motion Picture Engineer Television Engineer

The Society is looking for appropriate persons to assist our Engineering Department in the area of motion picture and television subjects. In general, these persons will be 1.) a staff engineer for motion pictures, and 2.) a staff engineer for television. They will assist the Manager of Engineering Services and would—

- Provide motion picture and television engineering expertise at Headquarters
 - Provide technical liaison among engineering committees
 - Oversee vendor supply and sale of motion picture test materials
 - Act as administrative assistants to engineering committee chairmen
 - Review standards documents in detail
 - Answer or refer technical inquiries received by the Society
 - Assist SMPTE representatives on non-SMPTE committees in motion picture matters
 - Assist in the international standards program
- The qualifications we are seeking are as follows:
- A degree or a good background in the sciences or engineering
 - Good command of grammar and English
 - Ability to prepare minutes of technical meetings
 - Practical experience in some phase of motion picture or television production or systems

Detailed resumes, including anticipated salary levels, should be sent to Alex E. Alden, Manager of Engineering Services, SMPTE, 862 Scarsdale Ave., Scarsdale, NY 10583.



rates from 1 to 24 frames/s without flicker, when operating in either forward or reverse, the announcement stated. Film may be advanced or reversed one frame at a time by pushbutton or held indefinitely without loss of light or damage to the film. An electronic frame counter which adds in Forward and subtracts in Reverse is resettable. The lighted LED display allows the operator to see the count in either a lighted or darkened room. Since the counter is installed in the remote control box the operator can read the count as far as 30 or more feet from the projector.



The Matthews Tulip Crane has been announced by Matthews Studio Equipment, Inc., 2405 Empire Ave., Burbank, CA 91504. When in operation the Tulip Crane can reach a maximum height of 20 ft carrying both the camera operator and assistant. The unit rides on its own pedestal (dolly) using balance weights to control the vertical movement. The crane can accommodate any 35-mm, 16-mm or video camera system. For transit, the Tulip Crane folds into a compact unit 8 ft long, by 2½ ft square, weighing about 200 lbs.

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



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