

Our
two-
faced
reflector,

fits
on
stands,

in
hands,

and in
most
Lowel
kits.

New
Lowel
Lightreflector

(the fast-
fill system)

lowel 

Lowel-Light Mfg. Inc.
421 W. 54 St. N.Y. N.Y. 10019
(212)245-6744. Telex: 666597UW
Cable: Lowelight
West coast: 3407 W Olive Ave.
Burbank, Ca. 91505 213)846-7740



Section Meetings

Australia, 12 June — The meeting was held at the Australian Film and Television School with an attendance of 115 members and guests. This was a very special meeting; first, because of the showing of three films produced by students, and second, because of visitors from SMPTE Headquarters — Robert M. Smith, SMPTE President, Roland J. Zavada, Engineering Vice-President, Roderick T. Ryan, Vice-President for Motion Picture Affairs, and Lincoln L. Endelman, Vice-President for Photoinstrumentation Affairs.

The first event on the program was a tour of the Film and Television School's facilities which rank among the best in the world. The tour was conducted by students, all of whom were very informative and attentive. Next on the program was the showing of three student-made films which were introduced by Don Saunders, Chief Editor of the Film and Television School. *Movement With Reference to Camera* produced by Peter Thorson had received the 1979 Penavin Award. *Ballooning Hands Off* was a cooperative student workshop project for which cameraman Malcolm McDonald received the Cunningham Stewart Memorial Award for Encouragement of New Talent. It was presented at the 1980 Australian Cinematographers Society Awards ceremony. The third film shown, *Gary's Story*, was directed by student Joe Picilering.

Following the showing of the three films, Saunders introduced Story Walton, the school's new Director, who gave a brief survey of the development of the film and television industries in Australia and the founding of the Australian Film and Television School noting the fine contribution made to the industry by the school and its young students.

President Smith then gave a brief outline of the recent trip through Japan, Korea, Taiwan, and Hong Kong, noting that officials of the SMPTE had an obligation to go into the

world to obtain feedback of information to SMPTE Headquarters; some countries, he said, need help and others have given help to the SMPTE. He spoke highly of the Australian Film and Television school and of the talent and perception shown by the students in the films just shown.

Engineering Vice-President Zavada described the nature of his work for the SMPTE, noting that the Society is made up of individuals each of whom brings his own expertise to the Society.

Motion Picture Affairs Vice-President Ryan outlined his work for the Society which is mainly in research, record, and update information in the motion picture field. He extended an invitation to all present to forward to him any information they might have on changes and developments in the motion picture field.

Photoinstrumentation Affairs Vice-President Endelman explained the many applications photoinstrumentation has to science and industry.

John Barry, Australian Section Chairman, then extended a warm invitation to the visitors to make a return visit to Australia in the near future.

Final event on the program was the showing of a tape made by Freddy Young, Honorary ACS member, entitled *My Academy Award Winning Films*, recorded in 1979 at the Moving Image Seminar in Canberra, which was viewed on three monitors. On the tape Freddy Young discussed the technical problems involved in making the award-winning films. Excerpts from some of the films were shown including *Ryan's Daughter*, *Lord Jim*, *Lawrence of Arabia* and *Dr. Zhivago*. Many amusing incidents which occurred during the making of these films were described as well as the solutions to many technical problems.

When the tape ended Story Walton closed



Present at the Managers Meeting of SMPTE's Australia Section were (L-R) Phillip H. Budden and John Carter, Section Managers; Lincoln L. Endelman, SMPTE Vice-President for Photoinstrumentation Affairs; Roland Zavada, Engineering Vice-President; Roderick Ryan, Vice-President for Motion Picture Affairs; Robert M. Smith, President; John Barry, Section Chairman; Richards Sindell and Don Oughtred, Section Managers; John F. Conovan, Past President, Australia Section; and James Pemble, Secretary-Treasurer.

When you need microphones with "reach," reach for these!



CL42S Shotgun Microphone
The CL42S reaches farther and reaches more ambient noise than any other shotgun of its size ever made. Our exclusive line bypass port makes it more directional at low frequencies so you won't have to sacrifice frequency response when you use it on a boom. Diffraction vanes maintain high-frequency directivity to preserve uniform frequency response if the "talent" gets a little off-mike.

Phantom or AB powered, the CL42S comes complete with windscreen, shock mount, carrying case and handle for hand-held applications. And it's rugged.

CH15S Hypercardioid System
The CH15S is actually more directional than a mini shotgun mike — in a package that's only 4 inches long that weighs less than 6 oz. Specially designed for boom and fishpole use in TV and motion picture studios, but equally at home wherever working space is small and you have need for a compact, highly directional microphone.

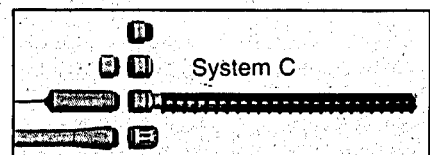
Compatible with phantom or AB power, the CH15S comes complete with windscreen, shock mount and carrying case. And, this microphone is rugged.

The Electro-Voice Warranty

Electro-Voice backs up these two microphones with the only unconditional warranty in the business: for two years we will replace or repair your CL42S or CH15S microphone, when returned to Electro-Voice for service,

at no charge, no matter what caused the damage!

We can do this because we build these microphones to meet our standards for performance, ruggedness and durability. We accept nothing less, and if you're a professional buying a professional quality microphone, you shouldn't either.



Ev **Electro-Voice**[®]
a gulton company

600 Cecil Street, Buchanan, Michigan 49107

the meeting with an invitation to supper extended to everyone present.

The Section Meeting was preceded by a Managers Meeting held at the John Barry Group offices in Artarmon, Sydney. — James E. Pemble (Secretary-Treasurer), Agfa-Gevaert Ltd., 2 Byfield St., Northryde, Sydney, Australia 2113.

Dallas/Fort Worth and Houston, 21 June—

This joint meeting of the Dallas/Fort Worth and Houston Sections was a special all-day Saturday program held at the University of Texas in Austin. A day of outstanding presentations was enjoyed by 115 members and guests from Texas and Oklahoma. The morning program, with the theme of "Future Trends in Television Studio and Broadcast Equipment," was led by Paul Brown of the Radio-Television Department of the Southern Baptist Convention who presented an instructive overview of current video production and distribution technology and also speculated on tomorrow's technological directions. Included in his survey were videodisk, cable television and satellite distribution as well as the important role that film will play in future programming. He also emphasized the importance of scientific/technical societies such as the SMPTE in helping individuals keep abreast of the latest technological developments.

Don Forbes and Cary Fitch of Broadcast Systems, Inc., spoke about production equipment and circular-polarity transmission. A videotape demonstrating the improved recep-

tion possible from circular-polarity transmissions was included in their presentation.

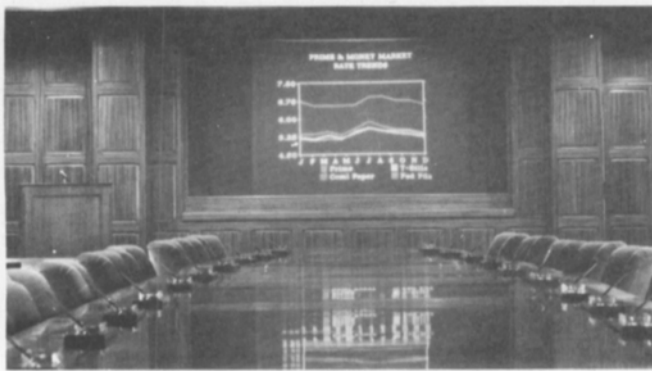
Robert Davis, Chairman of the Radio-Television-Film Workshop of the University of Texas concluded the morning program by conducting a tour of the film and television production facilities of station KLRN and also the University Workshop.

An excellent luncheon at the Faculty Center of the University was followed by a talk by Ms. Pat Wolfe, the Executive Director of the Texas Film Commission. Wolfe reviewed the function of the Film Commission and enumerated the many theatrical features, television movies, and television series being filmed in Texas.

The afternoon program, chaired by John Norris of Eastman Kodak, was a forum for noted Texas-based producers. Norris established the theme for the forum in his presentation on "The Business Aspects of Filmmaking." The following producers shared with an appreciative audience their ideas on meeting client needs and showed examples of their work: Ben Pearlman of Pearlman Productions, Inc., Houston; Jim Davidson of A I E Studios, Houston; Richard Kidd, Richard Kidd Productions, Dallas; Frank Dobbs of MCI, Houston; and Fred Miller of Miller Productions, Austin. These producers discussed how they satisfy clients' production needs while meeting technical, logistic, creative and budgetary challenges. Each producer then screened excellent examples of his work. — John C. Norris (Secretary-Treasurer, Dallas/Fort Worth), Eastman Kodak Co., 6300 Cedar Springs, Dallas, TX 75235.

Florida/Caribbean, 23 June — The meeting was held at Miami-Dade Community College with an attendance of 24 members and guests. The first speaker on the program was Leonard Coleman, SMPTE Sections Vice-President, who reported on the responsibilities and advantages of membership in the SMPTE. He reviewed the Society's history and accomplishments beginning in the early days when it was still the SMPE. Using slides he showed the structure of the Society and explained that an overall objective of the SMPTE was to help further the standardization and betterment of the film and television industries. Coleman explained in detail how the research and proposals of the various SMPTE committees help ideas and technologies evolve. Many first-time guests at the meeting were impressed by the many benefits offered by the Society.

The second speaker on the program was Robert M. Smith, SMPTE President, who presented an account of a visit to the People's Republic of China by representatives of the SMPTE in response to an invitation from the PRC Ministry of Culture to participate in a scientific and cultural exchange program. Using a series of slides, Smith reported on the motion picture and television industries in China and also provided an insight into the culture and way of life of the people. He explained that one of the purposes of the trip was to encourage the scientific and technical people in China to cooperate with other stations in the standardization of motion picture and television equipment. He noted that the Chinese engineers spoke frankly about their

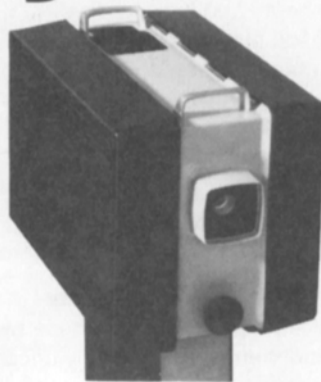


General Electric Professional Large Screen TV Projection

It earns your interest

Whether you're trading government securities or presenting financial reports, General Electric Professional Large Screen Television Projectors provide a good return on your investment: big, bright, clear television pictures—available in either monochrome or full color—up to 25 feet wide, in either front or rear screen projection.

At Mellon Bank, N.A., Pittsburgh (above left), easily produced video presentations provide visibility to the entire board. At Merrill Lynch, New York, (above right), real time securities data is projected far faster than wall board displays. In virtually any application, General Electric Professional

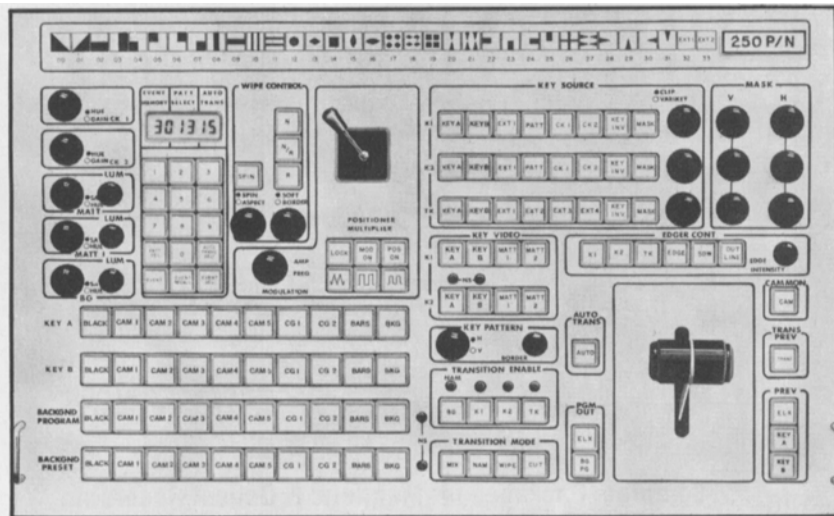


Large Screen Television Projectors bring new dimensions of effectiveness and efficiency to modern commercial and business information display.

Get the video system that earns your interest—General Electric Professional Large Screen Television Projectors. Call J.P. Gundersen at (315) 456-2152 today. Or write General Electric Company (VDEO) Electronics Park 6-206, Syracuse, N.Y. 13221.

GENERAL  ELECTRIC

Another Revolutionary Switcher from VITAL: the **250 P/N**

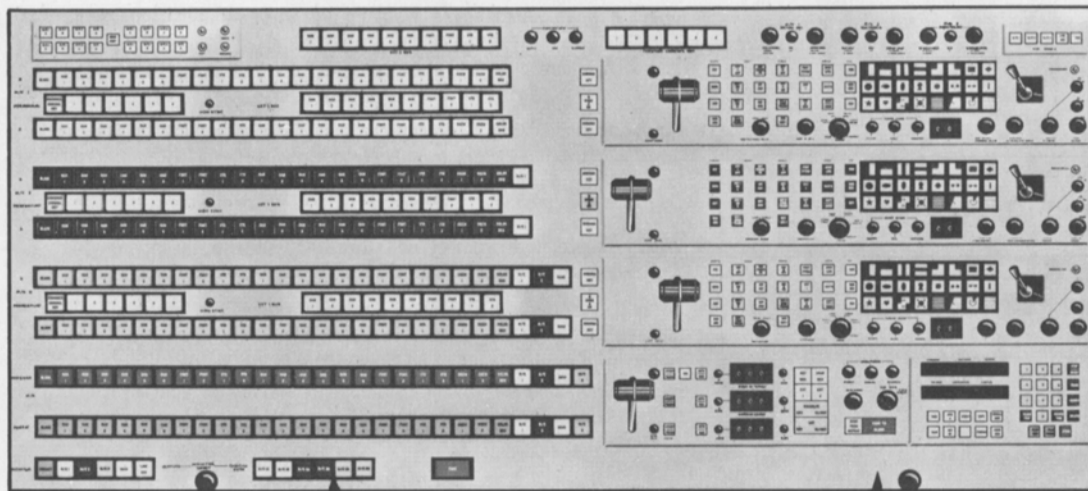


Switching! Preview! Automation!

Get it all together in the new super-compact 250 P/N systems. A totally self-contained system (PAL / NTSC) with production power totally unique for a switcher this size (12 1/4" H X 19" W X 6" D). Also includes 10 inputs, 5 video levels, 3 keying levels, 4 transition modes plus much, much more. For all advanced features of the 250 P/N, contact your nearest Vital office.

The 3-in-one System from VITAL for big time production

Get it all together or one at a time!



VIX-114 SERIES
Video Switchers

PSAS-2
Production Switching
Automation Systems

SQUEEZOOM®
Optical Effects
Synchronizer

Features fully described in our brochure.

HI TECHNOLOGY PRODUCT INNOVATORS

MAIN OFFICE: 3700 NE 53rd Ave.
Gainesville, FL 32601 USA



PHONE: 904/378-1581
TWX: 810-825-2370
TLX: 80-8572-Vital-A-Gain

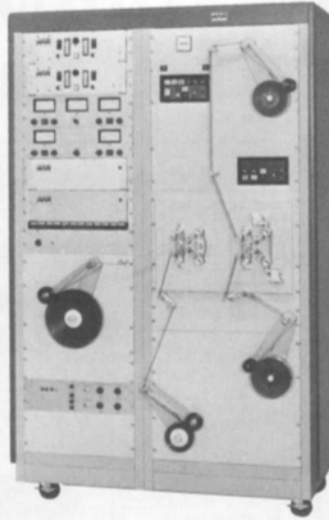
VITAL INDUSTRIES, INC.

ERIC KING (Southeast) (804) 384-7001 • MORRELL BEAVERS (Midwest) (812) 466-3212 • ROBERT McALL (Northeast) (518) 966-5180
• BARRY ENDERS (Northeast) (315) 589-9289 • WEST COAST (Hollywood) (213) 463-7393 • GORDON PETERS (Southcentral) (817) 467-0051 • MIKE BARSNESS (Northcentral) (612) 447-4453 • JIM MONEYHUN (Northwest) (415) 561-9130



Magnetic and Optical Sound Systems

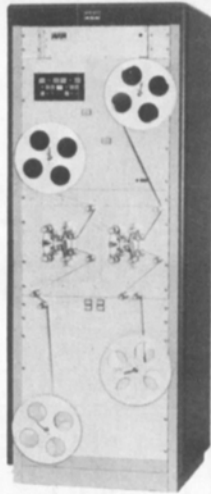
Including:
Our New 350-E Optical Electronics
with Time Delay (GNR) and
Cross Modulation Signal Unit



SUPER 8 TRANSFER SYSTEMS



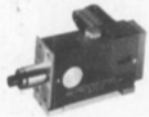
AUTOMATIC DIALOG REPLACEMENT SYSTEMS



DUAL DUBBERS



PICK-UP RECORDERS



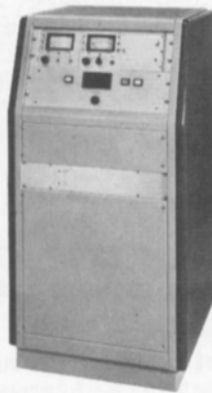
WRE-MAURER GALVANOMETERS



OPTICAL RECORDER TRANSPORTS



OPTICAL RECORD ELECTRONICS



OPTICAL SOUND RECORDER SYSTEMS

Complete Packages for Magnetic & Optical Recording

- Standard WRE dubbars and recorders are available in 16mm, 35mm, and combination 16mm/35mm versions. All units provide ease of operation and quality performance featuring advanced-design film transports and electronics.
- 6000 Series Pick-up Recorders feature silent selective head switching that eliminates noises, clicks or level changes when switching into and back out of record/erase mode. 16mm, 35mm or 16mm/35mm combination units.
- Model 600 Optical Sound Recorders and components provide the ultimate in professional 16mm optical sound recording. WRE-Maurer galvos, solid state electronics and transports available.
- Super 8 High Speed Sound Transfer Systems feature the preferred "on the drum" recording technique, 10 times real speed operation and high speed drop out detection electronics. From single strand to Quad Rank 35.
- An Automatic Dialog Replacement unit utilizing a built-in micro-processor control system to achieve a high degree of versatility in rerecording or adding sound to motion picture film without manual looping.
- WRE also produces transfer units designed specifically for the S-8 and 16mm single system user.
- All WRE systems are designed and manufactured to give you the highest quality sound. You want a sound track to produce ALL the sound, with minimal noise and the least possible distortion. At WRE we are dedicated to providing equipment that meets your exacting requirements and quality standards.



2119 Schuetz Road • St. Louis, Mo. 63141 U.S.A.
Phone: 314 567-5366 • Telex: 44-2560

WEST COAST OFFICE
1144 North Las Palmas Ave. • Hollywood, CA. 90038
Phone: 213 462-7746

WEST COAST REPRESENTATIVE
Sprocketech • 6110 Santa Monica Blvd. • Hollywood, CA. 90038
Phone: 213 464-6007

ACCESSORIES:

- 3 Phase Interlock Distributor Systems and Motors.
- Also 1 Phase and Electronic Interlock Systems.
- Digital Footage Counters including Automatic Looping.
- Bulk Tape Degaussers.

To our line of field-proven sound recording equipment we add

THE NEW 690 SERIES OF OPTICAL RECORDERS

The 690s are new for the '80s. They offer the motion picture industry major advancements in the art of optical sound recording. Models are available to accommodate 16mm film, 35mm film, and 16/35mm film in combination. All are housed in standard 19-inch cabinets.

Because they feature a completely new design in optical sound recorders, the 690s provide the user with a combination of capabilities not previously available in any other manufacturer's product. The combination includes:

- A new DC servo drive to provide exceptionally smooth film handling. This servo drive, featured on all models, also permits the user to interlock with a variety of different types of equipment when interfaced with a WRE shaft encoder.
- Split magazines, offered for the first time in a U.S.-built sound recording system. These make film loading and unloading faster, easier and more convenient than ever before.
- Positive to negative or negative to positive film track change with the simple flip of a switch.
- Field-proven solid state electronics that includes a cross modulation test unit, fixed low pass filter, and an anticipatory time delay circuit (GNR).
- A built-in playback system for high performance reproduction

capabilities as well as for aligning and testing purposes.

690C COMBINATION RECORDER

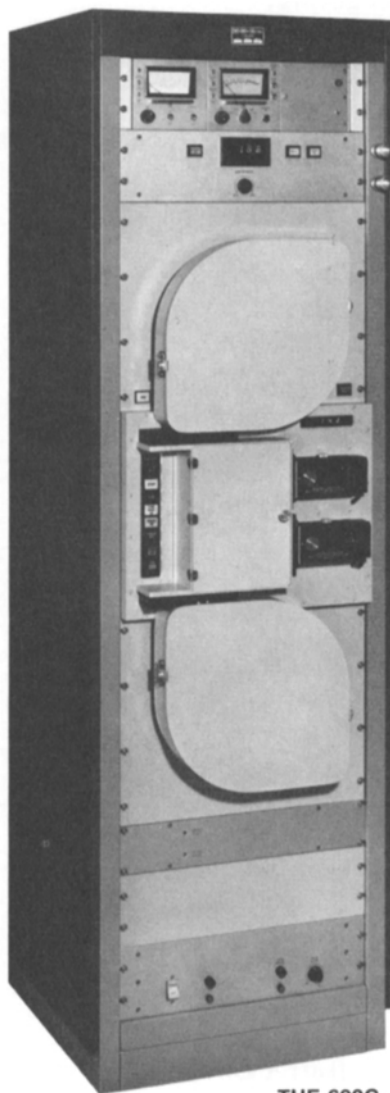
Model 690C is pictured below. It is the 16/35mm Combination Op-

tical Recorder offering all of the new systems latest innovations. In addition, the 690C features two WRE-Maurer F-Prime Galvanometers, recognized world-wide for high quality and performance. Both galvanometers can be switched to or from either 16 mm or 35 mm sound tracks.

WALK-AWAY FEATURE

The new 690 system's unique and exclusive microprocessor based counter counts both feet and frames. Its microprocessor memory can be preprogrammed to turn cross modulation unit and test exposure on and off automatically at any predetermined footage and, at command, at the end of each roll of film. It also shuts off the film transport automatically.

Because preprogramming with microprocessor accuracy is possible, most major recording functions can be automatically monitored and controlled. This walk-away feature permits virtual unattended operation of all models in the 690 series.



THE 690C
COMBINATION RECORDER



Technical details and information on production and delivery schedules as well as prices are available upon request from Wide Range Electronics Corporation, 2119 Schuetz Road, St. Louis, Mo. 63141.

INTERNATIONAL REPRESENTATIVES

Hoel Sangyo Co., Ltd. — Nihonbashi Bldg. 4,
Kobunacho 2-Chome, Nihonbashi, CHUO-KU, Tokyo 103, Japan

G.T.C. Film-und Fernseh — Studioteknik GmbH
207 Ahrensburg, Rosenweg 7a, West Germany

advances and their problems with various film and television hardware. He showed many examples of significant improvements upon Western designs while making lighter and smaller equipment. He said that he believed some equipment could be successfully imported into the United States.

The audience was treated to a rare glimpse of the personal and social life of the Chinese people as seen through Smith's photography. The unified social consciousness revealed in the slides helped explain the way the Chinese work within the film and television industry. With their abundant manpower they successfully operate many large scale laboratories and studios.

In addition to showing how the SMPTE

delegation contributed to improved communication among Chinese and American engineers, he showed also how the SMPTE helped China join the International Standard Organization, providing a practical example of how the SMPTE is promoting international communication and standardization throughout the world. — James D. Bloch (Secretary-Treasurer), American Bankers Life, 600 Brickell Ave., Miami, FL 33131.

New England, 4 June — The meeting was held at the New England Telephone Company's new Television Center in Boston. Jack Kelleher of New England Telephone gave a presentation on the use of television for train-

ing within the telephone company. A tour of the production facility followed the presentation with ample opportunity for hands-on demonstrations. A tour of the Picturephone Meeting Service facility preceded the meeting. — Paul H. Beck (Secretary-Treasurer), The Foxboro Co., Cocasset Bldg., Foxboro, MA 02035.

New York, 11 June — CBS Television hosted and presented the New York Section's June meeting. Over 300 members and guests were provided with a series of lectures and demonstrations of several of the Teletext systems now being used.

Joseph Flaherty, Vice-President, Engineering and Development, CBS, introduced the meeting and gave an outline of the history and development of the various Teletext systems.

The second speaker, William Connolly, Managing Director, Development, CBS, discussed the experiments that CBS are conducting at their station in St. Louis using both the VHF and UHF transmitters. Connolly pointed out that as a result of these experiments only two lines were available for Teletext and that they could be well received in most areas.

The last speaker was William Nicholls, Director, Systems Development, who demonstrated the various systems. During the presentation, the New York station of CBS was transmitting the Antiope French system which was received on the various monitors around the studio.

Flaherty and Connolly then joined Nicholls on a panel and answered many questions from the audience. At the conclusion of the formal presentations and questions the members and guests were allowed to circulate around the equipment and operate the receivers. The members of the panel were present and answered further questions. — Richard Marcus (Reporter), Rombex Productions Corp., 245 W. 55 St., New York, NY 10019.

Ohio, 24 April — The meeting was held at WJKW Studios in Cleveland with an attendance of 68 members and guests. Jack Sinclair of Motion Picture Video Corp. gave a very informative and interesting presentation on direct transfer from original color negative or color reversal original to videotape using a flying spot scanner. Examples were shown on the studio monitors using both methods plus examples of transfers direct from film print. The audience displayed considerable interest and there were many questions concerning the technique. Sinclair also showed slides of their facilities and equipment at Motion Picture Video Corp. in Toronto.

James Riccardi of UAB Productions, Cleveland, gave a brief summary of his experiences in using the technique of direct negative to videotape on several commercials that he had produced and also showed examples of transfers direct from color negative and from color positive prints from the same negatives. These comparisons evoked considerable discussion and many questions.

Following the presentations the staff of WJKW conducted guided tours of their modern station facilities. — George F. Golden (Secretary-Treasurer), Filmlab Service, Inc., 4117 Prospect Ave., Cleveland, OH 44103.

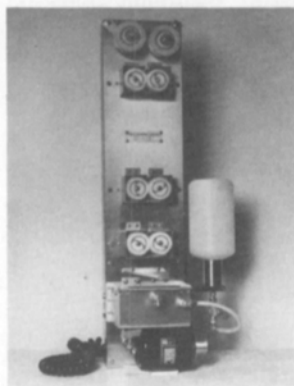
Pacific Northwest, 29 May — The meeting was held in the Lopez Room of the Seattle

Up-grade your lubrication, squeegeeing, rem-jet removal of motion picture films.

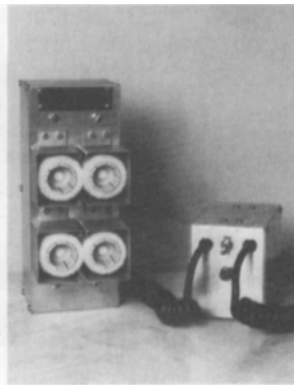
The Rotary Buffer Concept

Two Plush Covered Rollers lightly contact and wipe the film's surface as they rotate at high speed counter to the direction of the film's motion.

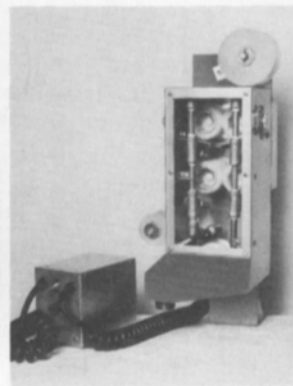
Anything whisked from the film by the fast moving plush is immediately thrown away from the roller by centrifugal force.



Model L-3 Rotary Buffer Lubricator with Automatic Feed Bottle



Model S-3 Rotary Buffer Squeegee with Power Pack



Model BR-2 Rotary Buffer Rem-Jet Removal with Power Pack

Wooster Buffers available for Rotary Buffer Units:

100% Dacron (R-294), 16mm (15/16") 23.1¢ each

Also available: 35 mm (1-7/8")

Lintless Super-D (R-205), 16mm (15/16") 29.3¢ each

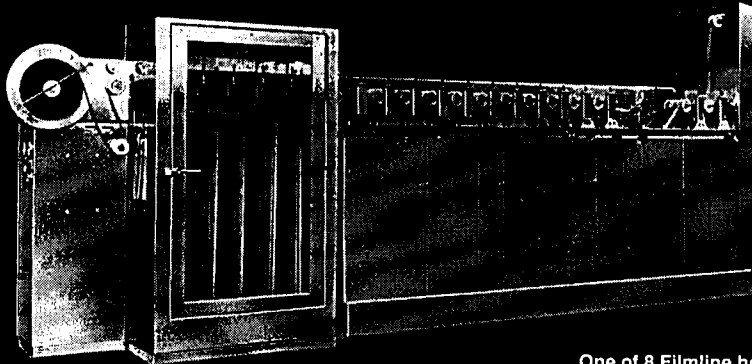
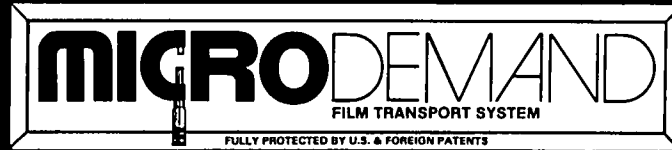
Also available: 35mm (1-7/8") 70mm (3")

42mm (2-1/4") 70mm (4")

For information, write . . . Alex Bagdasarian B.S., M.S.

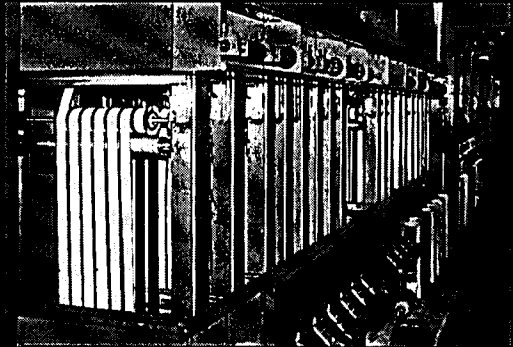
Sarian Engineering Associates 23 Tower Road, Arlington, Mass. 02174

The Standard of Excellence!



Typical medium size
Filmline processor available
in speeds from 7-200, F.P.M.

One of 8 Filmline hoist-type
processors installed at Technicolor,
Hollywood, California running in excess of
400 F.P.M. (Hoist shown partially raised.)



Micro-Demand is a patented exclusively different concept in demand drive film transport systems.

Micro-Demand is a dynamically tension-controlled friction film transport system that operates effectively at minimum tension and with complete reliability. When used with Filmline Feather-Touch film spool "tires" it transports 35mm, 16mm and single strand 8mm film interchangeably and without adjustments even when these films are spliced back-to-back.

Once optimum tensions are set there is no need for further adjustments, yet the design allows easy and rapid, dynamic adjustment of film tension while the machine is running.

Micro-Demand has a broad band of self-compensation, is of functional construction and requires minimum maintenance.

There are no fragile, plastic spring bushings, no wobble rollers. No elaborate articulations of any type. Just sound engineering and the highest quality materials and workmanship.

No other competitive processor or film transport system commercially available has ever achieved the operational speeds and proven reliability of Filmline Micro-Demand Processors.

SIGNIFICANT MICRO-DEMAND FEATURES:

- | | | |
|----------------------|--|--|
| Versatility | Any speed, any process. | <input type="checkbox"/> Push-Button operation, and reliability allows operator to perform other functions while the machine is running! |
| Reliability | Rugged construction, quality materials and sound engineering. Always ready when you are! | <input type="checkbox"/> Automatic compensation for elongation and contraction of film during processing cycle. |
| Flexibility | Any format 35mm, 35/32mm (1-3), 35/32mm (1-4), 35mm 5R S8, 16mm — 70MM-105MM etc. | <input type="checkbox"/> Virtually eliminates all film breakage, scratches and static marks. |
| Dependability | Can stand the gaff of long, continuous, top speed runs with "Zero-down-time." | <input type="checkbox"/> All film spools use standard bearings or bushings. |
| Credibility | Ask the labs who own them. Most of them own not one but several. | <input type="checkbox"/> Entire upper film shaft/roller assemblies easily removed. No tools needed. |
| Maintenance | Exclusive Maintenance Monitor tells when and where the machine needs attention. Significant savings assured. | <input type="checkbox"/> Stainless steel construction used throughout. |
| Performance | Every Filmline machine is backed by a superb performance record compiled in over 25 years of continuous service to the industry. Twenty five years in the forefront of processing machine design and innovation. | <input type="checkbox"/> Proper operation can be determined at a glance, while machine is running. |
| | | <input type="checkbox"/> Submerged developer racks. |
| | | <input type="checkbox"/> Pumps for recirculation and agitation of all required systems. |
| | | <input type="checkbox"/> Professional spray bars. |
| | | <input type="checkbox"/> In-line filters on all required systems. |
| | | <input type="checkbox"/> Professional air and wiper squeegees. |
| | | <input type="checkbox"/> Temp-Guard Temperature Control System. Thermistor sensing and transistorized controller. |
| | | <input type="checkbox"/> Film-Guard dry box with dual heat input and dial thermometer. |
| | | <input type="checkbox"/> Individual switches for all control functions. |

"Filmline Engineering and Consulting Services for Complete Laboratories are Available Worldwide."

Filmline Continuous Film Processors are used throughout the world by: Deluxe-General, Technicolor, Inc., Capital Film Labs, Byron Motion Pictures, TVC Labs., Movielab, Radiant Laboratories, Guffanti Labs, Precision Film Labs, Bellevue-Pathe, ABC, CBS, NBC Network TV, NASA, General Motors, RCA, IBM, AEC, Universal Labs, Hong Kong, Kay Laboratories, London ... and thousands of others.



"When you buy quality, Filmline costs less"

FILMLINE CORPORATION, DEPT. SO
MILFORD, CONN. 06460 • TEL. 203-878-2433

Distributed Overseas by:
BELL & HOWELL LTD.
WEMBLEY, MIDDLESEX, HA0 1 EG, ENGLAND

WE SWISS HAVE ALWAYS HAD AN



And we at Sondor want to keep that sound pure and natural. Especially where reproduction matters most: in cinema films and television.

For more than a generation Sondor has been successfully tackling the problems of optimizing film soundtracks. For people who work with films and for those who watch them.

We have committed ourselves to a medium with a rich tradition. Since its invention more than 30 years ago the perforated magnetic film has been

the preferred medium of the sound engineer. For recording, editing and reproduction.

But the picture moves in jumps – and sound glides. Sondor has succeeded in taming the magnetic film. We have come to terms with electronics and have demonstrated that we mean business. If a perforated magnetic tape has to be transported forward and backward over a precisely defined distance, there is only one design technique which guarantees slip-free transport: toothed reels and

EAR FOR PURE NATURAL SOUND!



capstan drive. The "m03 libra", the new-concept equipment from Sondor, has brought this technique to perfection.

More than that: Sondor has used the very latest technology and has also applied stringent ergonomic principles in order to produce a generation of equipment which combines unequalled ease of operation with maximum versatility. Starting with simple insertion of the film and finishing with flawless sound out of the loudspeaker.

An important point: the "m03 libra" is probably the first and only studio magnetic film apparatus produced in a standard version that has all the trimmings - a unit with so many facilities that it makes complex and expensive ancillary equipment unnecessary. To quote an American critic: "Sondor, a new philosophy in magnetic film recording!"

sondor

Being better isn't easy.