

New Members

The following members have been added to the Society's rolls since the April 1962 *Directory* and the July and November 1962 listings. Also listed are those regrettably reported as deceased since then. The designations of grades are the same as those used in the April 1962 *Directory*. An up-to-date list of the Sustaining Members appears on the outside back cover of each month's *Journal*.

Fellow (F) Active (M) Associate (A) Student (S) Life Fellow (LF)

Deceased:

Joseph Baltikauski (A)

Ellsworth D. Cook (A)

Frank Fouce (M)

William J. German (M)

C. E. Ives (F)

Lawrence Lewis (A)

Henry D. McLary (A)

George M. Nixon (M)

Harold J. Steck (A)

Lawrence West (A)

G. F. Van Weyenbergh (A)

Errata

The following was inadvertently omitted from the April 1962 *Directory*: On p. 50, col. 1:

Add: **Lewis, Robert E.**, Amelco, Inc., Electron Devices Div. Mail: 3470 Kenneth Dr., Palo Alto, Calif. (M)

Abel, Ashley, Mot. Pic. Dir., RCA Service Co. Mail: Rt. 3, 1900 Missile View Ave., Merritt Island, Fla. (A)

Adame, Manuel, Research in Instrumentation & Mot. Pic. Eng. & Technology, 13346 Obispo Ave., Paramount, Calif. (A)

Agnello, Dominick, TV Broadcast Techn., U.S. Information Agency-ITV. Mail: 2001 N. Adams St., #738, Arlington, Va. (A)

Alvin, David L., Jr., Alvin Film Production, 6540 W. 38 St., Berwyn, Ill. (M)

Anderson, Donald A., Sound Eng., Reid H. Ray Film Industries, Inc. Mail: 2149 Niles Ave., Saint Paul 16, Minn. (A)

Armstrong, Gerald L., Mot. Pic. Tech. Dir., Carlocke/Langden, 301 Reliance Life Bldg., 505 N. Ervay, Dallas 1, Tex. (M)

Baehrend, John, Audio Visual Center, Indiana Univ., Bloomington, Ind. (S)

Barefield, Leon A., Projectionist, Fox Centre Theatre. Mail: 1857 So. Lafayette St., Denver 10, Colo. (A)

Barnes J. Pierce, Dir. Audio Visual Product., The Nat'l Freedom Education Center. Mail: 40 James St., Ossining, N.Y. (A)

Barocela, Edward, Vice-Pres. Research Instruments Corp. of America. Mail: 55 Maple Ave., Hastings-on-Hudson, N.Y. (A)

Barr, Thomas A., Chief Radio Frequency Systems Sect., Marshall Space Flight Agency (NASA) Mail: 4618 Panorama Dr., Huntsville, Ala. (M)

Barton, Sager Thomas, Tech. Asst., Eastman Kodak Co. Mail 16 Earl St., Rochester 11, N.Y. (A)

Beckett, Earl, Tech. Off., International Civil Aviation Organ. Mail: 1244 Bougie, St. Laurent, P.Q., Can. (A)

Bee, Bennie, Projectionist, Roxy Theatre. Mail: % General Delivery Main P.O., Denver 2, Colo. (A)

Behrends, Nelson L., Audio Visual Production, Caterpillar Tractor Co., 600 West Washington, East Peoria, Ill. (A)

Bell, Mazine, Adminstr. Asst., The Church of God of Prophecy, Bible Pl., Cleveland, Tenn. (A)

Benjamin, Alfred, Chief Medical Photog., Orthopaedic Hospital. Mail: 516 North Kings Rd., Los Angeles 48. (M)

Bennett, Lynn W., Chief Publications Sect., Thiokol Chemical Corp. Mail: 9418 Weatherly Rd., Huntsville, Ala. (M)

Bennett, Reo, Asst. Dir. Sales, Eastman Kodak Co., 300 Plymouth Ave. No., Rochester, N.Y. (A)

Beondé Francois, Cameraman, Pathé Laboratories, Inc. Mail: 9944 National Blvd., Los Angeles 34. (A)

Besag, Eric, Liaison Eng., Lockheed M & S Co., 6594 Aerospace Test Wing, TWRUE, Sunnyvale, Calif. (M)

Bishop, Donald G., Salesman, Industrial Photographic Products. Mail: 3014 Fayette Rd., Kensington, Md. (A)

Bisset, George C., Mot. Pict. Lab. Mgr., RCA Service Co. Mail: 561 2nd Ave., Sateilite Beach, Fla. (M)

Bissonnette, George H., Techn., Mont Royal Film. Mail: 7370 22 Ave., Ville St. Michel, Montreal, Que., Can. (A)

Bixby, William E., Chief Research Eng., Bell & Howell Co. Mail: 1142 Deerfield Rd., Deerfield, Ill. (A)

Bjerke, Gene, Cameraman, Yale Univ. Mail: Summer Island, Branford, Conn. (A)

Boni, Albert, Pres., Readex Microprint Corp. Mail: 59 W. 12 St., New York 11. (A)

Bosner, Paul, Cameraman, Free Lance TV and Film Dir., CBS-TV Mail: 51 Philip Pl., Irvington 11, N.J. (A)

Burns, Gerald K., Film Editor, Autonetics. Mail: Box 283, Seal Beach, Calif. (A)

Bush, Bert, Film Editor, Trans-Canada Films, Ltd. Mail: 1212 Burrand St., Vancouver, B.C., Can. (A)

Burt, William M., Dir. Film Exchange, Valley Forge Gen. Hosp., U.S. Army, Phoenixville, Pa. (A)

Calderon, Jose David, Radio, TV and Mot. Pic. Producer. Mail: Plantas YSQR, Mejicanos, San Salvador, El Salvador, C.A. (A)

Callaghan, David, Telecine Supervisor, Baton Broadcasting Ltd. Mail: 24 Shier Dr., Scarborough, Ont. Can. (A)

*ONLY if you
want to
lengthen
the life
of your prints*



P E R M A F I L M
I N C O R P O R A T E D

79 Fifth Ave., New York 3, N. Y.

ALgonquin 5-5757 • Cable Address: PERMAFILMS—NEW YORK



THE SECOND MOST IMPORTANT TIME IN THE LIFE OF RENTAL EQUIPMENT



We all know the most important time—when the word is “Action!” and your motion picture equipment **must** perform flawlessly. There’s a “Second most important time.” And that, strangely enough, is when **nobody** is using the equipment.

This is the time — **every time** — between users, that every variety of CECO rental equipment is subjected to prescribed, rigorous inspection, of a unique kind that only the world’s largest repair/service department is equipped to provide . . .

In Depth Service that means **equipment you can rely on wherever in the world your filming takes you.** One of the reasons more professionals rent from CECO than all other sources combined. **Rent with confidence . . . Rent from CECO.**



Select from the largest variety of equipment available anywhere in the world . . . at the lowest possible cost.

- **CAMERAS:**
16mm & 35mm — Sound (Single or Double System) — Silent — Hi-Speed — Instrumentation
- **LIGHTING:**
Arcs — Incandescents — Spots — Floods — Dimmers — Reflectors — All Lighting Accessories
- **GENERATORS:**
Portable — Truck Mounted

- **SOUND EQUIPMENT:**
Magnetic — Optical — Mikes — Booms
- **GRIP EQUIPMENT:**
Parallels — Goboes — Other Grip Accessories
- **CRANES, DOLLIES:**
Chapman — Crab — Portable
- **LENSES:**
Wide angle — Zoom — Telephoto — Anamorphic

- **EDITING EQUIPMENT:**
Moviolas — Viewers — Splicers — Rewinders
- **PROJECTION EQUIPMENT:**
16mm & 35mm — Sound & Silent — Slide — Continuous
- **TELEVISION:**
Closed Circuit TV
- **CAMERA CARS**

WHERE THE PROS GO . . .

CAMERA EQUIPMENT CO., INC.

FIRST IN SALES, SERVICE, RENTALS AND REPAIRS

A SUBSIDIARY OF CECO INDUSTRIES, INC.



NEW YORK, N. Y.
315 West 43rd St. • JU 6-1420

HALEAH, FLORIDA
51 East 10th Ave. • TU 8-4604

HOLLYWOOD, CALIFORNIA
6510 Santa Monica Blvd. • HO 9-8321

CAMERA EQUIPMENT CO., INC.
315 W. 43rd Street, New York 36, N. Y.

Gentlemen: Please rush me your FREE complete catalogue of Rental Equipment.

Name _____

Firm _____

Street _____

City _____ Zone _____ State _____

CF₂



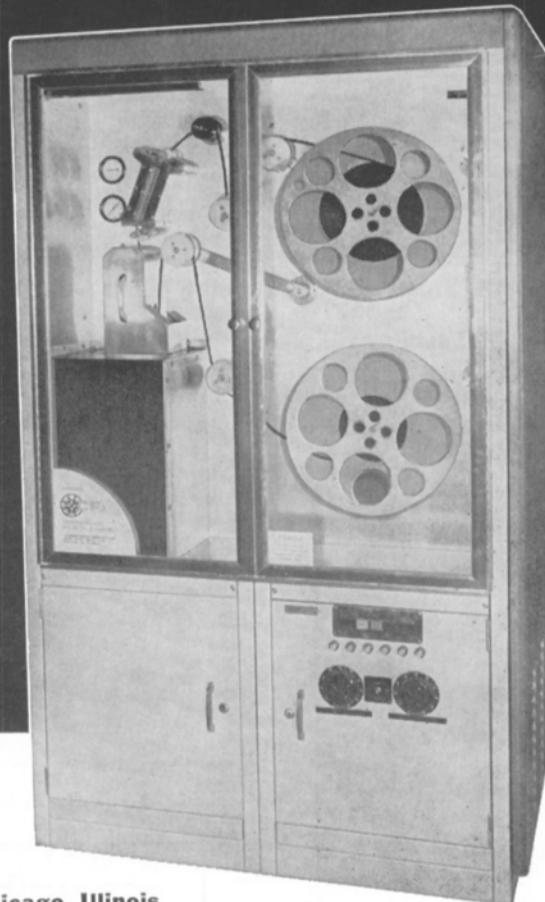
ULTRASONIC FILM CLEANER
cleans films to the highest laboratory standards . . . automatically.

Presented The Academy of Motion Picture Arts and Sciences Award of Merit for Outstanding Technical Achievement.

The CF₂ Ultrasonic Film Cleaner represents a major breakthrough for the film industry. By utilizing ultrasonic energy, motion picture film and magnetic tape are thoroughly and rapidly cleaned without mechanical scrubbing and wiping.

The cold boiling effect (cavitation) of ultrasonics performs the entire cleaning operation . . . film and tape are touched only by solvent, eliminating the possibility of scratching, abrading or tearing. Forced air, flash dry-off, removes the solvent leaving absolutely no residue. Film and tape emerge clean and static free with color balance undisturbed.

The CF₂ Ultrasonic Film and Tape cleaning process is completely automatic, requiring the operator only to load and unload. Descriptive brochure will be sent on request.



Patents

U.S.A. 2,967,119
Belgium 582,469
France 1,238,523
Canada 618413,
618414, 618415
Luxemburg 37,634
Great Britain Pat
Appl. 30703/59

**LIPSNER-
SMITH
CORPORATION**

3475 Touhy Ave., Chicago, Illinois

- Cann, Stanley E.**, Asst. Prod. Mgr. and Editor, Ferro, Mogubgub & Schwartz, Inc. Mail: 89 Thayer St. New York 40. (A)
- Caputo, Bernard F.**, Columbia College. Mail: 907 So. Aberdeen St., Chicago 7. (S)
- Carreker, Knox, Jr. Eng.**, WXGA TV Georgia State Dept. of Ed. Mail: 104 Butler St., Waycross, Ga. (M)
- Castaldi, Jose A.**, Educational Broadcasting Corp., (WNDD). Mail: 156 Fairview Ave., Jersey City 4, N.J. (A)
- Chi-Hsin, Shih**, Cameraman, Central Mot. Pic. Corp. Mail: P.O. Box 475, Taipei, Cathay Bldg., 7th Fl., 90 Van Yang St., Taipei, Taiwan, China (M)
- Chaun Chuang, Chester**, A-V Equip. Specialist, U.S. Agency for Int'l Development Mission to China. Mail: No. 11 Lane 1 Sect. 3 Yeng-Ping North Rd., Taipei, Taiwan, China (M)
- Clapper, A. B. Pres.**, Universal Recording Corp. Mail: 46 E. Walton St., Chicago 11. (M)
- Clarke, John J.**, Leader TV Camera Design, RCA. Mail: 104 Chapel Ave., Cherry Hill, N.J. (A)
- Cohen, Sander**, Studio Projectionist, Revue Studios-Universal City Mail: 1938 Point View St., Los Angeles 34. (A)
- Coile, Frank**, Chief Eng., Georgia State Dept. of Ed., ETV Unit, P.O. Box 842, Waycross Ga. (M)
- Conant John E.**, Sr. Mechanical Eng., Melpar, Inc. Mail: 3000 Arlington Blvd., Falls Church, Va. (M)
- Cope Gerald B.**, Mgr. RCA Optics Engineering, RCA Service Co., Missile Test Project. Mail: 933 West Whitmire Dr., Eau Gallie, Fla. (M)
- Coram, Marvin Bruce**, RCA Photo. Lab. Prod. Coordinator, RCA Service Co., MTP/RCA. Mail: 217 NE 1st St., South Patrick Shores, Satellite Beach, Fla. (M)
- Crawford, Knute**, Univ. So. Calif. Mail: 102 Carrizo Dr., Santa Barbara, Calif. (S)
- Curry, Maria A.**, Tech Rep., Afga Inc., Rockleigh Industrial Pk., Rockleigh, N.J. (A)
- Curtis Samuel**, Sr. Eng., Colorvision Inc. Mail: 12123 Laurel Terrace Dr., Studio City, Calif. (A)
- Dallstream, Guy**, Film Ed., Reid Ray Film Industries, Inc. Mail: 1663 St. Clair Ave., St. Paul, Minn. (M)
- Davis, Edgar W.**, Instrumentation Photog., Martin Maricita. Mail: 4710 So. Hawthorne, Littleton Colo. (A)
- Davis, Richard Bruce**, Project Officer, TV Div., Tape-Kine Project O, Army Pictorial Center, Mail: 85-25 Van Wyck Expwy., Jamaica 35, N.Y. (A)
- Denham, Elmer C.**, Pres., Cine Graphic Film Lab. Inc., 1720 Olive St., St. Louis 3, Mo. (A)
- Devich, Steve A.**, Project Sect. Mgr., Ampex Corp. Mail: 320 Grandview Dr., Start Rt. Box 4, Woodside, Calif. (M)
- Diaz, Miguel, Hernandez**, Sales & Service Mgr., Ampex International S.A. Mail: Apdo. Post 30508, Admon 60, Mexico 18, D.F. (A)
- Doctor, David H.**, Motion Engineering & Service, 7319 W. Coyle Ave., Chicago 31. (A)
- Domes, Robert H.**, Negative Assembly Foreman, General Film Labs. Mail: 5522 Shirley Ave., Tarzana, Calif. (A)
- Draper, Brian K.**, Mechanic, Lipman Motors Inc. Mail: 169 Glenwood St., Manchester, Conn. (A)
- Drowne, Peter Parkman**, Univ. Calif. L. A. Mail: 329 S. Thurston Ave., Los Angeles 49. (S)
- Duke, Charles R.**, Vice-Pres., Dir. of Engineers TV Prod., WSIX, Inc., 441 Murfreesboro Rd., Nashville 10, Tenn. (M)
- Duncan, Art P.**, Leader-Prod. Control, RCA. Mail: 1003 Greenwood Way, Cocoa, Fla. (M)
- Dunker, Edward N.**, Univ. Wis. in Milwaukee. Mail: 2417 N. 90 St., Wauwatosa 13, Wis. (S)
- Eagle, John H.**, Superintendent, Eastman Kodak Co. Mail: 400 Plymouth Ave. North, Rochester 4, N.Y. (M)
- Ebeling, Willard H.**, Lab. Mgr., Alexander Film Co., Alexander Film Bldg., P.O. Box 1101, Colorado Springs, Colo. (M)
- Eggert, Roy W., Jr.**, Lab. Mgr., Eagle Film Lab. Mail: 5628 N. Luma, Chicago. (M)
- Eklundh, Peter**, Technical College of Stockholm, Mail: Norra Stationsgatan 53, Stockholm, Sweden (A)
- Elwell, Thomas H., McMaster**, Optical Lab. Techn., U.S. Industries Inc. Mail: "Kenilworth" 142 Garth Rd., Scarsdale, N.Y. (M)
- Endres, William E.**, Vice-Pres. Sales Tele-Measurements Inc., 72 N. Mitchell Ave., Livingston, N.J. (A)
- English, Edward John**, Prod. Alumni Films, Yale Univ., Audio Visual Center. Mail: 59-61 Broadway, New Haven, Conn. (A)
- Fairbrother, Raymond A.**, Cine Supervisor, Lab. For Electronics. Mail: 113 Green St., Lynn, Mass. (M)
- Farrell, Stephen**, Rochester Inst. Tech. Mail: 67 Gardiner Pk., Rochester 7, N.Y. (S)
- Feinberg, Henry R.**, N.Y. Univ. Mail: 8735 Bay Pkwy., Brooklyn 14, N.Y. (S)
- Fidandis, Nicholas A.**, Printing Dept. Supr., Byron Motion Pictures, Inc. Mail: 3370 Martha Custis Dr., Alexandria, Va. (M)
- Fiveash, Olen C.**, Electronic Eng., Visual Dept., Church of God of Prophecy, Bible Pl., Cleveland, Tenn. (A)

ARRIFLEX at work — ONE OF A SERIES*



THE SIMPLICITY OF THE ARRIFLEX-16 OPERATION IS EXPLAINED BY CAMERAMAN WALLY BARRUS TO BRIGHAM YOUNG UNIVERSITY'S HEAD COACH, HAL MITCHELL.

Five seasons of filming football games with an Arriflex 16, with never a lost play due to mechanical malfunction, is the proud report of Wally Barrus, official cameraman for Brigham Young University, Provo, Utah. Selected to eliminate the failings of previous equipment,

Arriflex has lived up to its reputation for performance and dependability. In filming sports events particularly, there is no chance for retaking footage lost through mechanical failures or cumbersome equipment. "In this respect," Barrus says, "Arriflex is a joy!" Lightweight, portable and engineered for one-man operation, it helps the photographer "stay on top" of every play. The reflex view-finder permits fast through-the-lens composition and makes follow-focus easy . . . no

ARRIFLEX® scores in every game at Brigham Young U.

matter how deceptive the quarterback, Arriflex's exclusive 21°-divergence 3-lens turret saves time, too — permits side-by-side mounting of long and short Lenses — switch from telephoto to wide angle without mechanical or optical interference!

So satisfactory did the Arriflex prove itself, both on campus and away, that the University acquired two more: for its Motion Picture Department and to record other collegiate activities.

Summing up the general reaction, Cameraman Barrus states, "In my opinion, Arriflex is the best 16mm camera available today." Whatever **your** need — in industry, science or entertainment — filming sports or satellites, you will come to the same conclusion.



From the microscope to the missile range . . . from spot locations to sound stages . . . Arriflex professional motion picture cameras are the dominant choice of filmmakers in science, industry, and entertainment. They're lightweight, rugged, tremendously versatile — uniquely suited to a range of applications virtually without limits. Here are some of the features that give Arriflex cameras their remarkable capabilities:

- MIRROR-SHUTTER REFLEX VIEWFINDER ● REGISTRATION-PIN FILM MOVEMENT ● 21°-DIVERGENCE 3-LENS TURRET ● CONTOUR HAND GRIP ● FRAMES-PER-SECOND TACHOMETER ● COMPLETE ACCESSORY SYSTEM . . . lenses, standard and special-purpose electric drives, power supplies, time-lapse equipment, film magazines, sound blimps, tripods.



WRITE FOR NEW CATALOG.

***YOU ARE INVITED** to send us a description of **your** special use of Arriflex equipment.

**ARRIFLEX CORPORATION
OF AMERICA**

257 PARK AVENUE SOUTH, NEW YORK 10, N. Y.

QUALITY FILM PRINTING

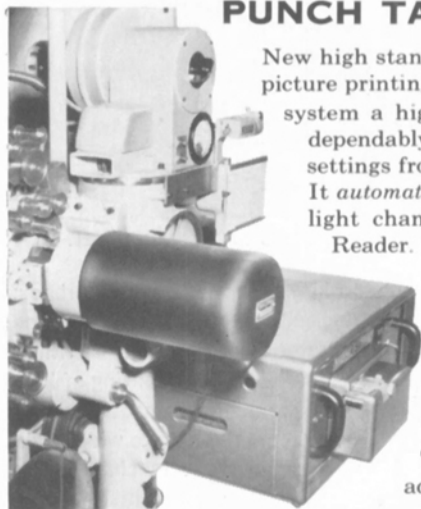
With These New High Speed

Fully Automatic SHUTTER SYSTEMS



HURLETRON

PUNCH TAPE CONTROL

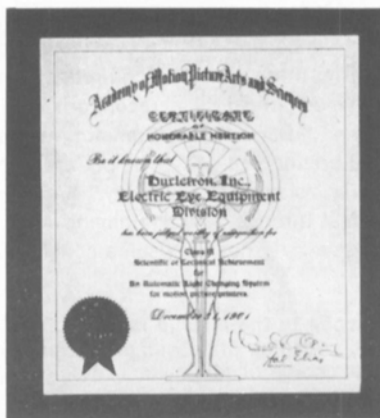


New high standards of quality in motion picture printing are now possible! Under this system a high speed shutter moves accurately and dependably through the entire range of printer light settings from 0 to 22. at increased printer speeds! It automatically adjusts to short scene and extreme light changes controlled by the Hurlertron Tape Reader. Output per man hour is greatly increased and human errors due to fatigue are eliminated!

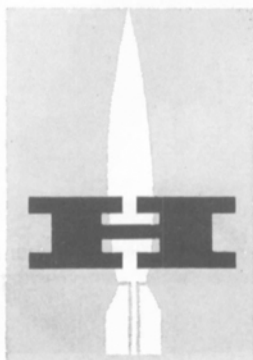
Program intelligence control tape produced on the Hurlertron Dialmatic Perforator provides a permanent accurate control of all necessary printer, fader and shutter functions. The Hurlertron Tape Reader can also be adapted for use with any punch tape code.

AWARD

of honorable mention for technical achievement, presented to **HURLETRON** by the Academy of Motion Picture Arts in recognition of Hurlertron's...



AUTOMATIC LIGHT CHANGING SYSTEM FOR MOTION PICTURE PRINTERS



HURLETRON INC.
DANVILLE, ILLINOIS

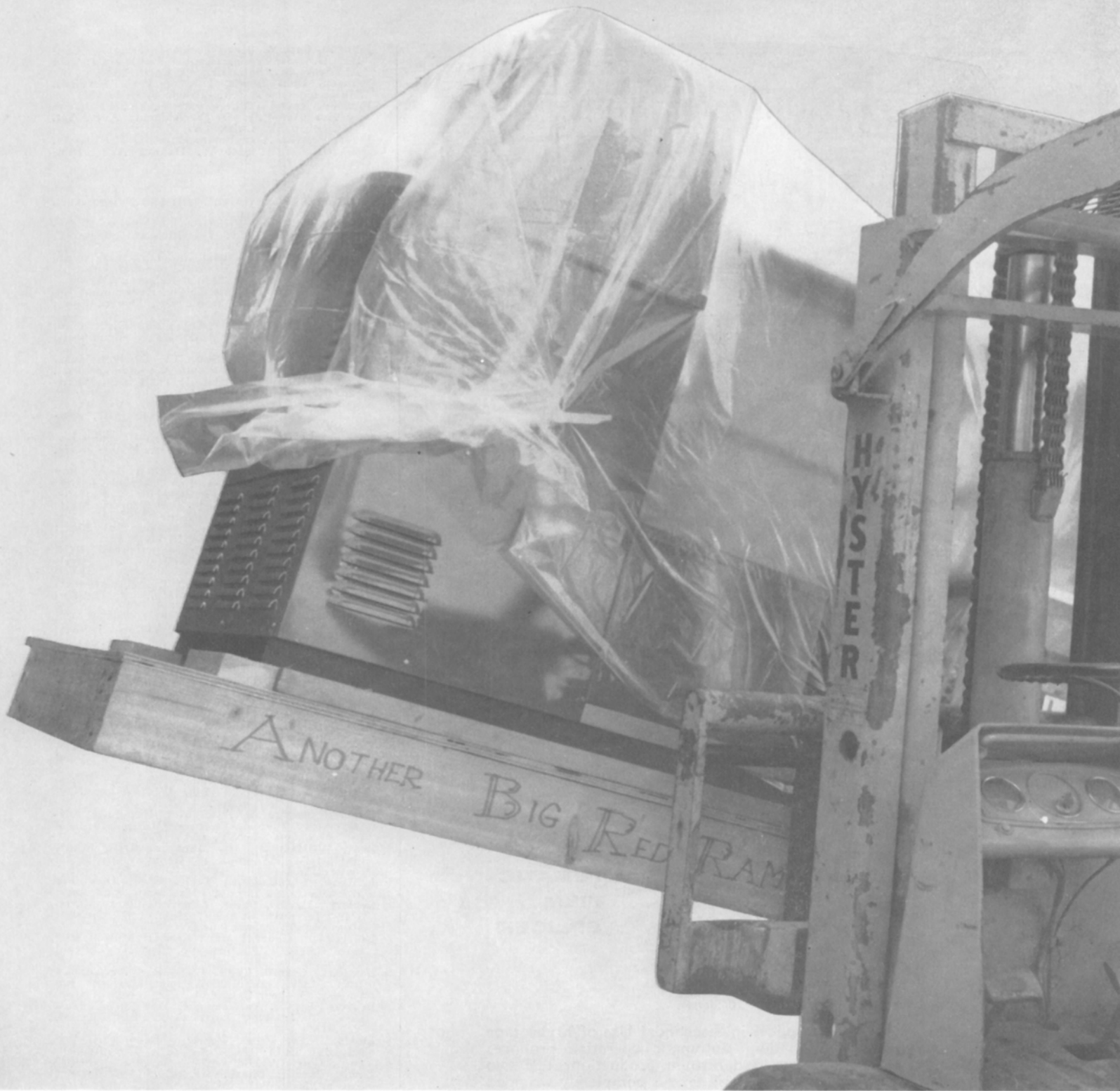
Flank, Arthur S., 422 N. Wells St., Chicago, Ill. (M)
Flygare, Ralph M., Electrical Eng., Robert E. Geauque. Mail: 20455 Parthenia St., Canoga Park, Calif. (A)
Francis, Alton Kevin, Sr. Film Editor, New Zealand Broadcasting Corp. Mail: 14 Coates Rd., Howick, Auckland, New Zealand (A)
Freeman, W. T., Chief Eng., Northern Television Ltd., T.N.T. Ch. 9, Watchorn St., Launceston, Tasmania, Australia (M)
French, Robert E., Vice-Pres., Keystone Camera Co. Mail: 97 Ivy Way, Fort Washington, N.Y. (A)
Frost, John K., Assoc. Prof. Pathology, 610 Pathology Bldg., Johns Hopkins Hosp., Baltimore 5, Md. (A)
Fudom, O. M., Photo. Eng., Radio Corp. of America. Mail: 45 Lund Circle, Melbourne, Fla. (M)

Gaines, Norman, 323 E. 25 St., New York 10. (A)
Gardiner, Samuel R., Vice-Pres. Electronics Institute of Technology. Mail: 1718 Hollingsworth Dr., Walled Lake, Mich. (M)
Garrell, Norman, Mgr. Photographic Dept., Mason-Rust. Mail: 1126 Bourbon St., New Orleans 16, La. (M)
Gaylord, Linedn John, Film Techn., Pathé Laboratories Inc. Mail: 4450 Moorpark Way, Toluca Lake, N. Hollywood. (M)
Gelzer, Seymour, Sup. Quality Control Dept., TelePrompter Corp., Mail: 287 Montana St., Paramus, N.J. (M)
Gerke, Robert, Industrial Sales, Industrial Photo. Products. Mail: 2515 Cliff Bourne Pl., Washington, D.C. (A)
Giordano, Pietrina Victoria, Univ. Calif. L. A. Mail: 350 DeNeve Circle, Los Angeles 24. (S)
Goldberg, Richard, Marketing Mgr., Fairchild Camera & Inst. Corp. Mail: 580 Midland Ave., Yonkers, N.Y. (A)
Gordon, Graham, Mot. Pic. Prod., 484 Church St., Suite 1211, Toronto 5, Ont. Can. (A)
Gorsline, Anthony Lee, Mot. Pic. Prod., Writer-Dir., Icon Film Corp. Mail: 601 "C" Poppy, Corona del Mar, Calif. (A)
Grabill, Edward, Dir., Wilding Inc. Mail: 1345 W. Argyle, Chicago, Ill. (M)
Graham, Charles B., Coordinator, NBC, 30 Rockefeller Plaza, Rm. 715 W, New York 20, N.Y. (A)
Greenfield, Martin, Audio Eng., Photo Magnetic Sound Studios. Mail: 64-34 102 St., Rego Park 74, N.Y. (A)
Grenier, Richard, Chemist, Nat. Film Board. Mail: 3060 Cousineau St., St. Laurent 9, Que., Can. (A)
Grunkemeyer, Prudence L., Vacationland Studio, 220 W. Dow, P.O. Box 899, Sheridan, Wyo. (A)
Gudgeon, S. J., Gudgeon Gear Instrument Co. Mail: 26 Millsmead Way, Loughton, Essex, Eng. (A)
Guerin, David Vincent, Dir. Teaching Resources Center, Univ. of Delaware. Mail: 102 Syp-herd Dr., Newark, Del. (M)

Hamuda, Hassan Mahmud, T.V. Eng., B.C. & T. V. Organisation. Mail: 2 Hamuda St. Ab-dine, Cairo, Egypt (A)
Handt, Roger L., Camaraman, Rusten, Film As-sociates Mail: 11101 Quinn Ave. So., Minn. 20, Minn. (A)
Heiser, John W., Industrial Photog., 458 Win-netka, Ill. (A)
Hollander, Leonard William, Vice-pres. Sales, Florman & Babb Inc. Mail: 5-22 43 St., Fair Lawn, N.J. (M)
Hosp, Marshall F., Mgr. Mot. Pic. & Audio Visual Dept., General Mills, Inc. Mail: 4756 Hamilton Rd., Hopkins, Minn. (A)
House, Robert Grant, TV Broadcast Techn., Canadian Broadcasting Corp. Mail: 8861 75 St., P.O. Box 555, Edmonton Alberta, Can. (A)
Howard, George A., Mgr. Photographic Services, Raytheon Co., Missile & Space Div. Mail: 81 Sherman St., Belmont 78, Mass. (M)
Hutchison, John A., Sales Promotion Consul-tant, Labcraft International Corp. Mail: 3263 Ormond Rd., Cleveland Heights 18, Ohio (A)

Ichikura, Hideo, Chief Mech., Far East Lab. Mail: 252 Ichinotsubo Kawasaki, Japan (A)
Idris, Ahmen Mohamed, Ministry of Information & Labor, Sudan Film Unit, Khartoum, Su-dan (A)
Izzo, John J., Camera Repair, Photographic Fair. Mail: 218 E. 86 St. New York. (A)

Jackson, Joseph K., Sound Eng., Western Cine Service. Mail: 1605 So. Raleigh, Denver 19, Colo. (A)
Jackson, Randall E., Roosevelt Univ. Mail: 2750 W. Jackson Blvd., Chicago, Ill. (S)
Jenson, Jules Vern. Cameraman/Techn., Northrop Ventura. Mail: 14303 Wolfskill St., San Fernando, Calif. (A)
Jinacio, Nick G., Moving Picture Machine Op-erator, Fox Center Theatre. Mail: 3325 W. Scott Pl., Denver 21, Colo. (A)
Jinushi, Shotaro, Chief, Chemical Control Dept., Far East Lab. Mail: 67 Shirogane Sarumachi Shiba, Minatoku, Tokyo, Japan (A)



A PICTURE OF RAM DELIVERY THE QUALITY OTHERS PROMISE
(This in itself is unique)

We are specialists in custom equipment based on the economies of modular design.

Reliability, dependability and sound engineering have put us in the picture to stay.

RAM ENGINEERING CORPORATION



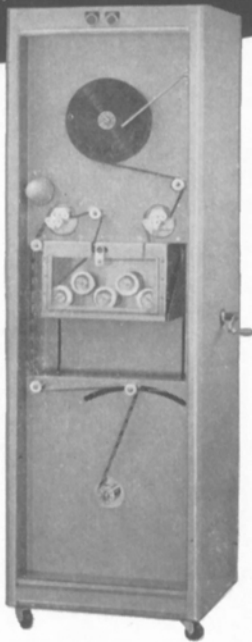
530 SECOND STREET, ANNAPOLIS, MD.

2 NEW WAYS TO SPEED YOUR FILM PROCESSING

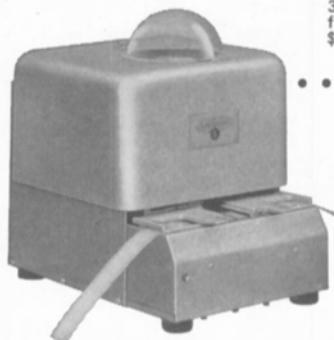
Use the UNICORN SOLVENT FILM CLEANER

Automatically cleans motion picture films at rates to 300 feet per minute with complete safety. Cleaning is accomplished by counter-rotating velvet covered scrubbing rollers, effectively removing dirt, lint, oil, fingerprints and wax.

Solvent barrier protects film *at all times*; can't be scratched or marred. All cleaners are completely self-contained and feature: adjustable speed control, 0 to 300'/minute ★ automatic shut-off in case of defective splices ★ automatic rewind ★ low cost operation (one pint non-inflammable solvent cleans 3,000 feet of 35 mm film).



Model A-5100 combination 16/35 mm film cleaner. Other cleaners available for 16 mm film only, 35 mm film only and for 70 mm film only. Price: Model A-5100 \$5,500 f.o.b. Sylmar, California.



Unicorn 35 mm Automatic Film Splicer. Two other standard models available for 16 and 70 mm film stock. Price: (35 mm model) \$2200.00, f.o.b. Sylmar, California.

Use the UNICORN AUTOMATIC FILM SPLICER

Perfect, darkroom splices in 8 seconds! Use of Mylar tape assures no-break bonding; automatic operation produces uniform splices, even in darkroom production. The two ends of the film are butted and tape is completely wrapped around, forming smooth splice for free passage through film processing machines. Safe, simple push-button control allows operation by non-technical personnel.

For more data on how these Unicorn products speed your processing and increase production volume, write to:

CMC UNICORN Products
Computer Measurements Company

A DIVISION OF PACIFIC INDUSTRIES

12970 Bradley Ave., San Fernando, Calif. • EMpire 7-2161

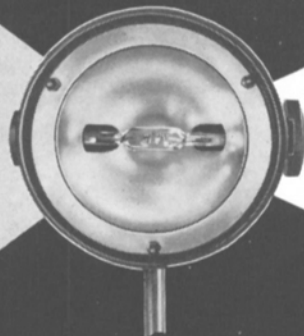
Johnson, Carl M., Head Techn. Information Center, U.S. Navy Electronics Lab. Mail: 2801 Albatross St., San Diego 3, Calif. (A)
Johnson, Paul Lewis, Dir. of Tech. Services. Mail: 656 Oswald St., Toledo 5, Ohio (M)
Johnson, Reynold F., Service Techn., Producers Service Co. Mail: 400 W. Alameda Ave., Apt. "L," Burbank, Calif. (A)
Jones, Ronald, Asst. Comm. Engr., D & R. G. W. W.-R.R. Mail: 3244 W. Dakota Ave., Denver, Colo. (A)

Kasoff, Jan, N.Y. Univ., Mail: 1085 Nelson Ave., New York. (S)
Kausch, John W., Film Prod., General Motors Photographic. Mail: 760 Pleasant, Birmingham, Mich. (M)
Kawar, Ibrahim S., Lighting Dir., Compagnie De TV. Du Liban Et Du Proche-Orient S.A. L., P. O. Box 5054, Beirut-Lebanon (A)
Kealey, Dennis E., Sales Mgr., Reevesound Co. Inc. Mail: 317 Housatonic Dr., Devon, Conn. (M)
Kemble, Edwin A., Stagehand Electrician, N.B.C. T.V. Studio. Mail: 212 N. Beachwood Dr., Hollywood. (A)
Kennedy, M. Carlos, Sup. TV Product Engineering, Thompson Ramo Wooldridge Inc., Dage Div. Mail: 2001 Oriole Trail L.B., Michigan City, Ind. (A)
Keznicki, Eduard, Chief Designer, Vienna X. Mail: Wien XII, Vierthalgasse 18/17, Austria (M)
Kirby, John E., Production Supvr., Eastman Kodak Co. Mail: 172 Coronado Dr., Rochester 17, N.Y. (M)
Kopec, Daniel J., Univ. Calif. L. A. Mail: Box 171,308 Westwood Plaza, Los Angeles 24. (S)
Kovijain, David, Mgr. Photographic Operations, RCA Service Co., Missile Test Project. Mail: 1588 Colonial Way, Eau Gallie, Fla. (M)
Kowalczyk, Edmund, Pres., Lakeside Lab. Mail: P.O. Box 877, Oak Park, Ill. (A)
Kraus, Walter R., Mgr. Process Control, RCA Service Co. Mail: 450 S. Neptune Dr., Satellite Beach, Fla. (M)
Kuehn, George D., Jr., Plant Cinematographer, Union Carbide Plastic Co. Mail: R. D., Annandale, N.J. (A)
Kumas, Teyfik, Head of Graphic Sect. of Ed. Films Center of Min. of Education, Ankara, Turkey (A)

Lake, Herbert A., Projectionist, Fox Intermountain Inc. Mail: 11th Ave. Hotel, 1112 B'way, Denver, Colo (A)
Land, Donald E., Manufacturer of Mot. Pic. Equip. Mail: 7221 Sycamore, Kansas City 33, Mo. (A)
Landers, Charles T., Chief Eng., WFPK-TV, Kentuckiana Ed. TV Council. Mail: 425 Wood Rd., Lyndon, Ky. (M)
LaSalle, Robert H., Physicist, U.S. Air Force. Mail: Westmoreland Rd., Whitesboro, N.Y. (M)
Lazzatti, George A., Asst. Mot. Pic. Film Editor, Army Pictorial Center. Mail: 1650 E. 4 St., Brooklyn 30, N.Y. (A)
Lear, William P., Jr., Managing Dir., Rotorcraft, S.A., P.O. Box 18, Geneva Airport 15, Switzerland (A)
Leclaire, Fernand A., Tech. Sales, Dominion M.I. Mail: 352 Bonny, Pierrefonds, Can. (A)
Leclerc, E. H., Bldg. Superintendent, Canadian Marconi CFCF-TV, Mail: 12473 Crevier, Montreal 9, P.O. Can. (A)
Lee, Chieh, General Mgr., Central Motion Picture Corp., P.O. Box 475, Taipei, Taiwan, China (M)
Lemieux, Gerard, Tech. Eng., Radio Saguenay Ltd. Mail: 175 Sir Wilfrid Laurier, Jon Quiere, Quebec, Can. (A)
Leviton, Eli L., Animation & Mot. Pic. Consultant. Mail: 144-31 41st Ave., Flushing 54, N.Y. (M)
Lewis, Jean, Pres., Peerless Laboratories of Canada, Ltd., 135 Peter St., Toronto 2B, Ont., Can. (A)
Lewis, Merlin Charles, Exec. Sec'y, Theatre Equip. & Supply Mfrs. Assn. and Vice-Pres. of the Film Daily, 1501 Broadway, New York 36. (M)
Lewis, Ralph W., Univ. So. Calif. Mail: 9317 Crenshaw Blvd., Apt. #2, Inglewood, Calif. (S)
Liao, Chao Hsiung, Tech. Aides. Mail: 215 Fulin Rd., Shihlin, Taipei, Taiwan, China (A)
Lignell, Harold A., Lab. Mgr., Sarra Inc. Mail: 5937 Madison St., Morton Grove, Ill. (M)
Lockwood, Lawrence W., Sr. Design & Devel. Eng. & Area Rep., Chrysler Space Div. Mail: 2514 A Elliot Ave., Huntsville, Ala. (M)
Long, Thomas C., Univ. Calif. L. A. Mail: 3414 1/4 Mentone Ave., Los Angeles 34. (S)
Lubow, Jack R., Vice-Pres., General Mgr., Video Prints, Inc. Mail: 111-32 76th Ave., Forest Hills 75, N.Y. (A)
Luce, R. Robert, Mot. Pic. Dir., Editor, Pilot Prod. Mail: 103 East Berkshire Lane, Mt. Prospect, Ill. (A)

Macomber, Philip A., General Manager of WKSU TV, Television School of Speech, Kent State Univ., Kent, Ohio (A)

New!



ONE LIGHT... DUAL PURPOSE!

Wide flood or Medium flood...with only one housing, fingertip controlled!



The new, versatile, 2-WAY

QUARTZ-KING

'DUAL'

This new concept provides you with professional studio lighting versatility and performance of a magnitude heretofore unavailable. Change to **WIDE FLOOD** or **MEDIUM FLOOD** in seconds, as your requirements change.

Lighting is smooth and even, with no hot spots, banding or filament pattern. Quartz-iodine lamp will not discolor or dim with age; newly designed reflector will not tarnish or discolor. Small, light-weight, rugged and **low cost**. Units operate from 110-120 volts A.C. or D.C.

CONSTANT COLOR TEMPERATURES are maintained throughout the exceptionally long life of lamp.

CONVERTER IS NOT REQUIRED!

DUAL-650 (650 watts, 5.4 amps)

more than 2000 watts of studio light!

DUAL-1000 (1000 watts, 8.3 amps)

more than 5500 watts of studio light!

15-DAY UNCONDITIONAL FREE TRIAL!

**Mail coupon for
literature and/or
15-day FREE TRIAL**



ColorTran
INDUSTRIES

Code 213,
Victoria 9-5991

To: ColorTran Industries, 630 S. Flower St., Burbank, Calif. SMPTE-4

- Send complete literature on the Quartz-King "DUAL"
- I would like to try the () Dual-650, () Dual-1000 per your 15-day FREE TRIAL offer.

Name _____ Title _____

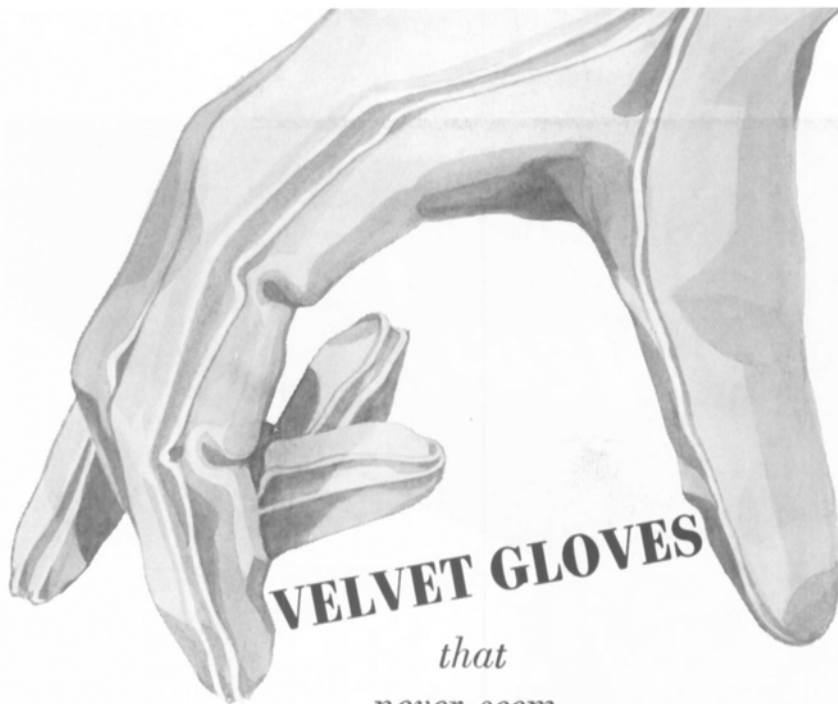
Company _____

Address _____

City _____ Zone _____ State _____

My Dealer is _____

- Send name and address of my nearest ColorTran dealer.



VELVET GLOVES

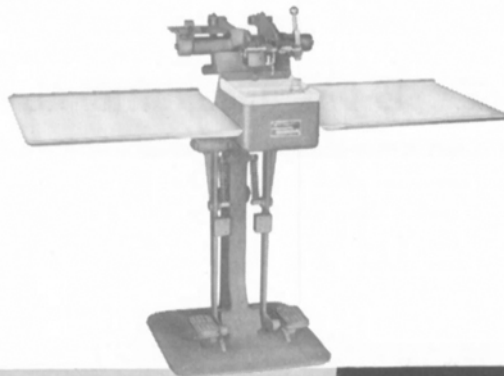
*that
never seem
to lose
their touch...*

Where professional standards are highest and the value of original negatives is the greatest, Hollywood studios and labs still demand the "Velvet Glove" treatment of the Bell & Howell famous "5692" pedestal splicer. The basic design of this splicer offers the greatest possible assurance of perfect film splicing together with maximum safety to your irreplaceable originals.

Designed and engineered to increase film cutting and splicing efficiency through speed of operation, the "5692" film splicer assures greater economy and faster, more dependable results.

Splicers are available with either negative or positive pilot pins for 35mm film. Combination models are available for 16 and 35mm, 35/32mm and 35/70mm films.

For complete information write or call J. L. Wassell, Director of Marketing, Professional Equipment. (Area code 312 • OR 3-3300)



Bell & Howell

PROFESSIONAL
EQUIPMENT DIVISION
7100 McCORMICK ROAD
CHICAGO 45, ILLINOIS

- Mohamed Mahgoub, El-Nour**, Asst. Chief Cameraman, % Sudan Film Unit, Ministry of Information, Khartoum, Sudan (A)
- Mallon, Raymond H.**, Studio Tech. Eng. Supvr., WJBK-TV. Mail: 26560 Springfield Dr., Farmington, Mich. (A)
- Mann, J. Robert, Jr.**, Construction Eng. & Vice-Pres., E-J Electric Installation Co. Mail: 39 E. 21 St., New York 10. (M)
- Martin, Louis**, Tech. Dir., Lab. Cinemat-Gennevilliers, Seine, France (A)
- Matzkin, Myron A.**, Associate Editor, Modern Photography. Mail: 204 W. 20 St., Deer Park, L.I. N.Y. (A)
- McBride, James**, N.Y. Univ. Mail: 230 Riverside Dr., New York. N.Y. (S)
- McDowell, William P.**, Mot. Pic. Prod., Hydro-Electric Power Comm. of Ont. Mail: 33 Henley Cres. Rexdale, Ont. Can. (A)
- McGowean, Glen J.**, Film Editor. Mail: 161 E. Grand Ave., Chicago, Ill. (A)
- McGuire, Joseph W.**, Robert Young Studio. Mail: 1050 South Holt Rd. Indianapolis 41, Ind. (A)
- Mecyerl, Julius**, Lab. Superintendent, Trans Canada Films Ltd. Mail: 1212 Burrard St., Vancouver 1, B.C., Can. (A)
- Mellberg, Frank W.**, Chief Eng., Optical Div., Bell & Howell Co., Dept. 6701, 7100 McCormick Rd., Chicago 45, Ill. (A)
- Mertz, Kenneth John, Sr.**, Lighting Dir. TV, Gerity Broadcasting WNEB-TV. Mail: 5940 East Rd. Saginaw, Mich. (A)
- Meshkoff, John Petrovich**, Rochester Inst. Tech., Nathaniel Rochester Hall, 95 Main West, Rochester, New York (S)
- Meyers, Irvin**, Lab. Superintendent, Byron Motion Pictures, Inc. Mail: 108 Schuyler Rd., Silver Spring, Md. (M)
- Meyer, James H.**, Chief Eng., Western Slope Broadcasting. Mail: 210 Country Club Park, Grand Junction, Colo. (A)
- Merkel, Stephen L.**, Development Eng., Lorain Products Corp. Mail: 2333 Woodward Ave., Lakewood 7, Ohio (A)
- Miller, Harold Louis, Sr.**, Test Eng., Bell & Howell Co. Mail: 8430 Keystone, Skokie, Ill. (M)
- Millhouse, Helen F.**, Mot. Pic. Techn., U.S. Govt. Wright Field. Mail: 15 North Cherrywood Ave., Dayton 3, Ohio (A)
- Moe, Sigurd M.**, Photographic Officer, U.S. Navy, USS Oriskany CVA-34, FPO San Francisco, Calif. (A)
- Morrison, William G.**, TV Prod./Dir., Univ. of Arizona. Mail: 2451 N. Santa Rita Ave., Tucson, Ariz. (A)
- Mortenson, William M.**, Stereotyper, Minn. Star & Tribune Co. Mail: 4122 Bryant Ave. North, Minneapolis 12, Minn. (A)
- Murrian, Dave**, Audio-Visual Supervisor, Tennessee Game & Fish Commission. Mail: 635 Campbell Rd., Madison, Tenn. (M)
- Nakazawa, Shigeo**, Chief of the Audio-Visual Ed. Sect., Tanaka Masaru. Mail: 18-5 Tsukiji 1 Chome Chuo-ku, Tokyo-to, Japan (M)
- Napor, F. Jack**, General Mgr., Warren R. Smith Inc. Mail: 210 Semphe St., Pittsburgh 13, Pa. (A)
- Nelson, Robert A.**, Prod. Mgr. & Secy Tres., Horizon Productions. Mail: 301 W. 73 St., Kansas City 14, Mo. (M)
- Nepomuceno, Luis**, General Mgr., Fame, Inc. Mail: P.O. Box 1039, Manila, Philippines (M)
- Nuchtern, Simon**, Hofstra College. Mail: 400 West End Ave., (11E) New York 24, N.Y. (S)
- Obst, Thomas J.**, Dept. Dir., Civil Service. Mail: RR-1 Box 62, Eau Gallie, Fla. (M)
- Odom, Bruce S.**, Public Relations Mgr. Photo Prod. Grp., Bell & Howell Co., 7100 McCormick Rd., Chicago 45, Ill. (A)
- Ogura, Kiyoshi**, Sub-Mgr. Eng. Dept., Far East Lab. Ltd. Mail: 59 4 Chome Denenchofu OTA-KU, Tokyo, Japan (A)
- Ohman, Allen A.**, Photog. & Mgr., Orange County Board Public Inst. Center. Mail: P.O. Box 3543, Orlando, Fla. (M)
- Ohoka, Takashi**, Research Associate, Univ. Calif. L.A. Mail: 11017 Strathmore, Apt. 105, Los Angeles 24, Calif. (A)
- Okamoto, Katsutoshi**, Staffmember, % Nissel Sangyo Co. Ltd., 501 Fifth Ave., New York 17, N.Y. (M)
- Oldenburg, Gunter Fritz**, Film Editor, Baton Broadcasting Ltd. Mail: 990 Ave. Rd., Apt. #403, Toronto 7, Ont. Can. (A)
- Page, David A.**, Rochester Inst. Tech., 95 Main St. West (RIT Mens Dorm) Rochester 14, N.Y. (S)
- Pal, Laszlo Lea**, Univ. So. Calif. Mail: #8 3016 Shrine Pl., Los Angeles 7, Calif. (S)
- Palmer, William K.**, Asst. Audio Visual Techn., L.A. Valley College. Mail: 23150 Dolorosa St., Woodland Hills, Calif. (A)
- Parker, Gene D.**, TV Studio Supervisor, WNOK-TV. Mail: 1130 Fuller Ave., Columbia, S.C. (A)
- Parmeter, Burton M.**, Sect. Chief of Instrumen. & Communication Support, Martin Co. Mail: 3504 W. Alamo Dr., Littleton, Colo. (A)
- Parrish, William F.**, Fellow Eng., Westinghouse Ordnance Div., P.O. Box 1797 Baltimore 3, (A)

why is Hunt Flash-O-Graph® like a banana?



Outside, they're ingeniously dressed, one by Nature, the other by Hunt; inside they're both fresh and ready to use. We're top banana as far as high speed liquid fixers are concerned! **FLASH-O-GRAPH®**, ultra-fast and highly concentrated, has provided the photographic industry with the answer to rapid fixation of photographic materials in nearly every process. It's buffered to extend its working life up to 20% beyond that of most other fixers... you get longer tray life, more negatives and prints per tray of fixer. **FLASH-O-GRAPH** has achieved its high standing and industry wide acceptance through optimum design, generous use of the finest chemicals and rigidly controlled manufacturing techniques. When you see a banana, remember **FLASH-O-GRAPH**, the most "a-peeling" packaged fixer on the market... in cartons of 4 one gallon poly bottles with 4 twelve ounce poly bottles of hardener and in 5 gallon poly Cubitainers. **FLASH-O-GRAPH Hardener** is also available in cartons of eight 64-ounce poly bottles.

Philip A. Hunt Company
Palisades Park, N. J.

Please send by return mail the current
price schedule and data sheets on Hunt
Flash-O-Graph.

Name _____

Company _____

Street _____

City _____ Zone _____ State _____

PHILIP A. HUNT COMPANY

• Palisades Park, New Jersey • Branches in Principal Cities • PHILIP A. HUNT COMPANY (CANADA) LTD., TORONTO

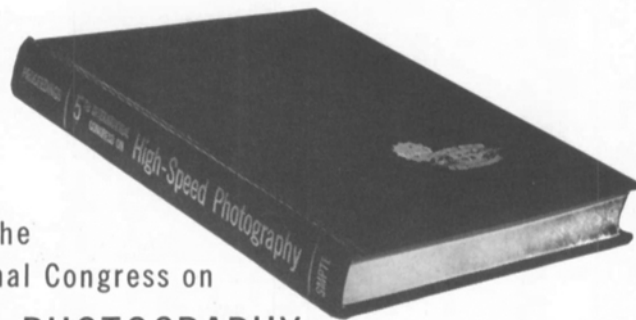
Pashkovsky, Jack, Animation Cameraman. Mail: 4830 Socola Ave., N. Hollywood (A)
Pearson, Milton L., Rochester Inst. Tech. Mail: 85 Colgate St., Rochester 19, N.Y. (S)
Pepe, Dominick, Supervisor Film-Editing Dept., The Jam Handy Organization, Inc. Mail: 16628 Hubbell, Detroit 35, Mich. (A)
Perrin, George Enos, Dir. of Photography, R. B. Hooper Sonochrome Pictures. Mail: 2956 So. Elati St., Englewood, Colo. (M)
Perry, William James, Service Mgr., Cinex Ltd. Mail: 7 Manor Rd., Harlow, Essex, England (A)
Peters, James Lyle, San Francisco State College. Mail: 1322 Ninth Ave., San Francisco 22, Calif. (S)
Petrillo, Victor A., Photographer, Teleregister Co. Mail: 132 Dry Hill Rd., Norwalk, Conn. (A)
Phillips, Harold E., Chief Eng., Okla. TV Corp. KWTW. Mail: P.O. Box 8788, Oklahoma City 14, Okla. (A)
Piazza, S. S., RCA Field Eng., RCA Service Company. Mail: 309 South Animas St., Trinidad, Colo. (A)

Pitts, Claude C., Sales Eng., S.O.S. Photo-Cine-Optics, Inc. Mail: 6331 Hollywood Blvd., Hollywood 28. (A)
Pizecek, John V., Photographic Quality Control Coordinator, RCA Service Co. Mail: 588 W. Pine Rd., Melbourne, Fla. (M)
Polley, Ronald James, Kent State Univ. Mail: 2358 Billman Pl., Cuyahoga Falls, Ohio (S)
Potucek, Frank R., Motion Engineering & Service. Mail: 803 8th St. Sunset Park, Northridge, Ill. (A)
Pratt, Thomas H., Research Scientist, Rohm & Haas Co. Mail: 1203 Kennamer Drive S.E., Huntsville, Ala. (M)
Purich, Sava, Electronic Eng., Canadian Marconi. Mail: 1350 Allan Ave., Chomeday, P.Q. Can. (A)
Pyle, Edward G., Co-ordinator Photo Inst. Eng., Nat'l Aeronautics & Space Admin. Mail: 3111 Cumbres Cr. N.W., Huntsville, Ala. (M)
Quartin, Leonard J., Plant Mgr., Kalart Co. Inc. Mail: 15 Fernbrook Rd., West Hartford, Conn. (M)

Quigley, Ronald Michael, Univ. Calif. L.A. Mail: 1031½ N. Havenhurst Dr., Los Angeles 46, (S)

Rabb, Martin, Sr. Eng., Phillips Electronic Inst. Inc. Mail: 7-05 Mansfield Dr., Fair Lawn, N.J. (M)
Ramsay, Roe Spencer, CCTV Project Eng., Philco Corp., Hq. GEEIA Rozmei, Griffiss AFB, Rome, N.Y. (A)
Reddy, C. Ramalinga, Optical Eng., Bausch & Lomb Inc. Mail: 613 University Park, Rochester 20, N.Y. (A)
Reilly, Carmen R., Head Set Painter, Fred A. Niles Communications. Mail: 3245 N. Southport, Chicago. (M)
Rem, Irving Ronald, Univ. So. Calif. 4029 Gelber Place, Apt. 21, Los Angeles 8, (S)
Reyes, Miguel A., Remote Supervisor, WYES-TV. Mail: 4521 Duplessis St., Apt. #A, New Orleans 22, La. (A)
Rich, Donald L., Mgr. Photo. Lab. Prod. Control, Radio Corp. of America. Mail: 1045 Alamanda Lane, Cocoa, Fla. (M)
Richards, Frank E., Mgr. Mot. Pic. Lab., RCA Service Co. Mail: 387 Sharon Dr., Eau Gallie, Fla. (M)
Richards, John E., Pres., Rich-Lite Productions, Inc. Mail: 25 Maddox Dr., Muncie, Ind. (M)
Richetta, Donald Paul, Univ. Calif. L.A. Mail: 625 Landfair, Apt. C-40, Los Angeles 24. (S)
Riley, Don P., Photo Quality Control Analyst, R.C.A. Service Co. Mail: 1414 Hillcrest Dr., Eau Gallie, Fla. (M)
Rives, Millard E., TV Oper. & Maint. Techn., TV Service. Mail: 3050 North Pollard St., Arlington 7, Va. (A)
Roberson, Scott C., Staff, Toledo Board of Education. Mail: 4126 Garden Park Dr., Toledo 13, Ohio (M)
Robl, Arden, Mechanic-Pro-Musician, National Cycle & Repairs Mail: 308 Ohio St., Oshkosh, Wis. (A)
Rollins, Franck S., Mgr. Mot. Pic. Dept., E.R. Squibb & Sons, 745 Fifth Ave., New York. (M)
Ronzheimer, Stephen P., Chief Eng., Hazeltine Research Inc., 5445 W. Diversey Ave., Chicago 39. (A)
Ruptier, George L., Pomona College. Mail: 1365 Groveside Pl., Pomona, Calif. (S)
Rusten, Paul D., Writer-Director, Rusten Film Associates, 5910 Wayzate Blvd., Minneapolis 16, Minn. (M)
Ryan, John L., Group 2, Eng., American Broadcasting Paramount Theaters. Mail: 72 Mercury Ave., Belvedere-Tiburon, Calif. (A)

an SMPTE
publication . . .



Proceedings of the
Fifth International Congress on
HIGH-SPEED PHOTOGRAPHY

Washington, D. C., 1960 / Chairman: Max Beard

Edited by
J. S. Courtney-Pratt
B.E., Sc.D. Cantab.

*The volume contains 103 technical papers, 7 summaries
and 5 abstracts arranged under the following subject heads:*

- | | |
|--|--|
| Flash Light Sources | Multiple Frame Cameras |
| Photographic Materials and Optical Components | Applications — Ballistics |
| Electronic Shutters | Applications—Industry and Biology |
| Flash X-Ray | Values and Problems in High-Speed Photography |
| Unusual Techniques | Survey Papers |
| Stereo, Spectra and Micro Studies | Systems for Control and Analysis |
| Streak Cameras | Flow Dynamics |

*All papers are in English, with abstracts in French and German.
Question-and-answer discussions are included.*

604 pp., 8½ by 11½ in., hardbound in first-quality buckram

Price \$30 *20% discount to SMPTE, SPSE, SPIE and ISA members, libraries and booksellers. Quantity discounts available.*

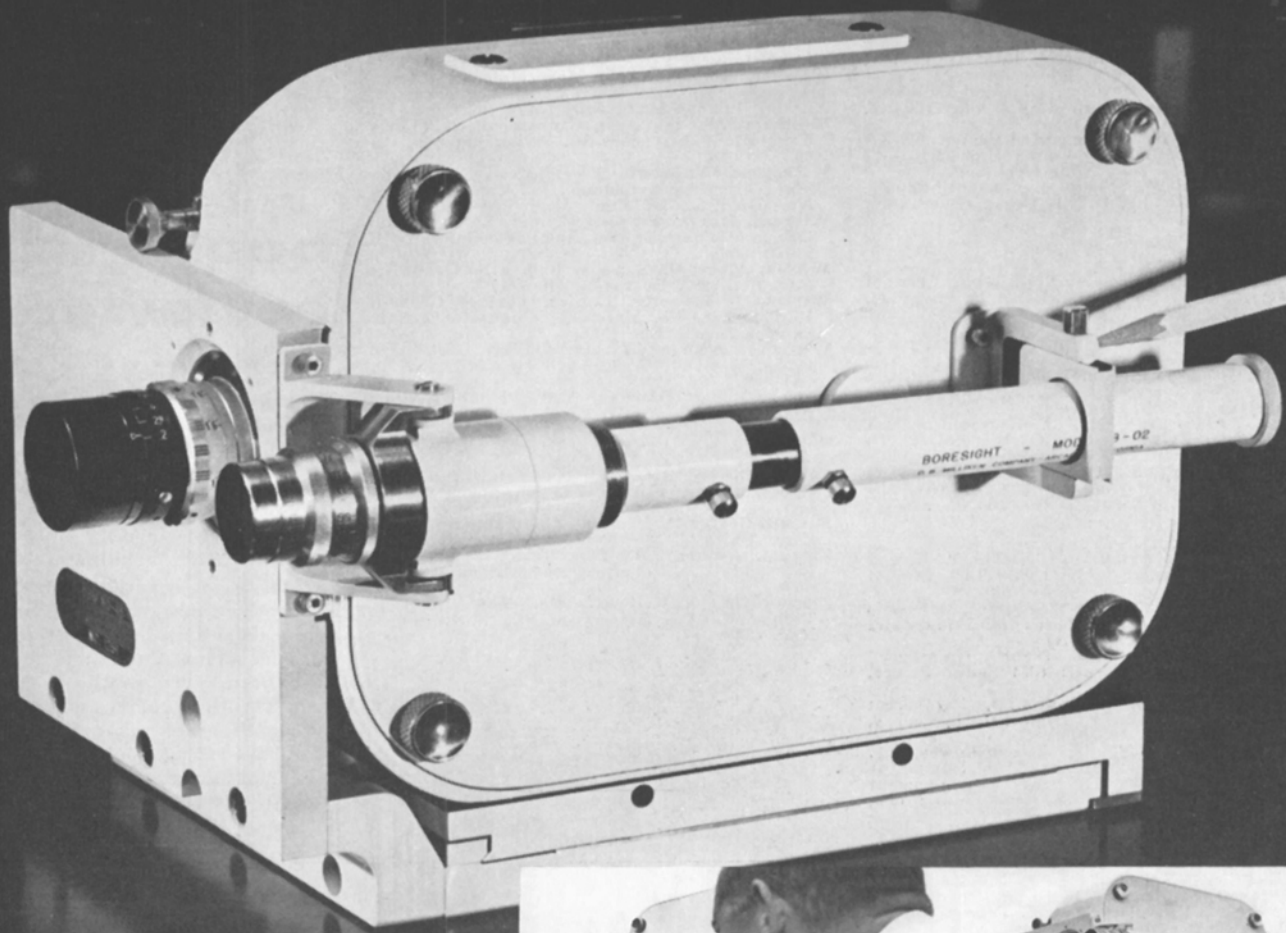
Society of Motion Picture and Television Engineers

55 West 42 Street New York 36, N. Y.

LO 5-0172

Sack, Frederick F., General Mgr., Reela Films Inc. Mail: 19610 Bel View Dr., Miami 57, Fla. (M)
Samuelson, Carl, Chemist, Pathé Laboratories, Inc. Mail: 1136 Green Lane, La Canada, Calif. (A)
San Andres, Louis J., Free-Lance Film Edit., 2055 Center Ave., Fort Lee, N.J. (A)
Schultz, Art G., Studio Owner, 125 E. Wells St., Milwaukee 2, Wis. (M)
Schur, Jerry A., Dir. of Audio Visual Service, Hofstra College, 43 Barnes St., Long Beach, N.Y. (M)
Seller, Roger William, Univ. Calif. L.A. Mail: 630 Gretra Green Way, Los Angeles 49. (S)
Seligman, Maxwell S., Pres., Tele-Craft Film Editing Service Inc. Mail: 73-12 35 Ave., Jackson Hgts. 72, L.I., N.Y. (A)
Sessa, Alexander, Production Mgr. Mail: Fragones 2250 Capital, Buenos Aires, Argentina (A)
Sherman, Charles W., "Leader" Mot. Pic. Prod. Mail: 320 Cocoa Ave., Indiatlantic, Fla. (M)
Shrader, Robert L., Electronics Commun. Teacher, Oakland City College. Mail: 1631 143rd Ave., San Leandro, Calif. (A)
Siamon, Jeffrey LeRoy, Univ. Calif. L.A. Mail: 7021 Quartz Ave., Canoga Park, Calif. (S)
Simanek, Donald E., Physics Instructor, Mankato State College, Mankato, Minn. (A)
Sorrow, T. K., Cinematographer, University of Georgia. Mail: 85 Caroline Ave., Athens, Ga. (A)
Stapleton, William, Proprietor & Chief Techn., Stapleton Studios, Merrion Court, Merrion Row, Dublin 2, Ireland (M)
Still, William B., Dir. of Eng. TV, Cornwall Broadcasting Corp., Mail: 1509 2nd St. W., Cornwall, Ont. Can. (A)
Stemke, Henry F., Production Eng., Bell & Howell Co. Mail: 6822 Beckwith Rd., Morton Grove, Ill. (A)
Stockdale, Willis L., Photographic Eng., Eastman Kodak Co., Kodak Park (Color Park) Rochester, N.Y. (A)
Stuart, James T., Administrator RCA Photo. Lab., RCA. Mail: 259 Ellwood Ave., Satellite Beach, Fla. (M)
Sunancic, Ronald Melvin, Univ. Calif. L.A. Mail: 2129 ¼ S. Beverly Glen, Los Angeles 25, Calif. (S)

Tartan, James R., Univ. Calif. L.A. Mail: 932 U. Odden Dr., Los Angeles 46, Calif. (S)
Tobin, Clive Hurlley, Univ. of Wash., 4625 South Othello St., Seattle 18, Wash. (S)
Transue, Joseph A., Projectionist, P.O. Box 4117, Denver 9, Colo. (A)



**NEW
RACKOVER
LETS YOU
ALIGN A
MILLIKEN
HIGH-SPEED
CAMERA
AFTER
IT'S
LOADED
—PERMITS
DOCUMENTARY SHOOTING,
TOO**



Rackover permits last-minute boresight check.



Boresight doubles as viewfinder for documentary work.

Our new rackover lets you look through the taking lens after the camera is loaded to check alignment and focus or to perform alignment and critical focusing. The ocular doubles as a parallax-compensating viewfinder when the camera is in the "taking" position, so that you can now use a Milliken for documentary shooting and tracking as well. Easily field-installed on any DBM-4 or DBM-5 (and just as easily removed), the rackover enables one Milliken camera to serve where two or more were previously needed.

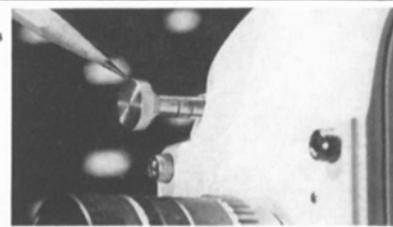
You can use any lens you like—even an extreme wide-angle lens—with our new rackover. The camera backs away in an arc as it moves from one rack position to the other, permitting the use of rear-protruding lenses that cannot be used with other rackover cameras.

Your own ingenuity will discover new ways that a Milliken camera-rackover combination can save time, money and tempers, both at the test facility and in the lab. We suggest you investigate this versatile pair now.

Write for data sheets SLD-38 (rackover) and SLD-12 (transmission)

SIX-SPEED TRANSMISSIONS NOW AVAILABLE in new Milliken DBM-5 cameras

By ordering a transmission with your new Milliken DBM-5 camera, you get six frame rates (24, 48, 64, 128, 250 and 500 fps), without changing motors or gear sets. A G-proof lock keeps the unit from slipping out of gear, and a neutral gear position simplifies loading. Now you can move from one set-up to another quickly and easily, using a Milliken DBM-5 for documentary and high-speed shooting alike. (Optional speed selection of 24, 40, 64, 100, 250 and 400 fps available.)



D. B. MILLIKEN COMPANY
131 North Fifth Avenue, Arcadia, California



See these new Milliken products in Booth 6 at the S.M.P.T.E. Convention in Atlantic City