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Education, Industry News

Joseph R. Stiftel has been appointed as Assistant Staff Engineer at Society Headquarters. In this new position, Mr. Stiftel will be primarily responsible for augmented quality-control procedures in the SMPTE test-film program, and will assist in the development of new test films.

For three years until his appointment to the Headquarters staff, Mr. Stiftel was employed in the Thin Film Solid State Electronics Program at General Telephone and Electronic Laboratories in Bayside, N.Y. At General Telephone he was directly involved in the research and development of a solid-state television display panel.

Mr. Stiftel, before joining General Telephone, was in the systems engineering department of Mergenthaler Linotype Co., where he assisted in research on the new Linofilm photocomposition system and an infrared electrooptical scanning system.

His educational background includes work at the University of Denver, Syracuse University, the State University of New York and the Air Force Photographic and Electronics School. Mr. Stiftel holds a New York State vocational teachers license for professional 35mm motion-picture projection.

While in the Air Force, Mr. Stiftel worked as a photographic maintenance engineer at the Rome (N.Y.) Air Development Center and the MIT Lincoln Laboratories. At both installations he worked with videotape recording of radar signals in pilot training programs.

The Sixth Annual American Film Festival sponsored by the Educational Film Library Association was held April 29–May 2 in New York. A total of 321 nontheatrical films in 39 categories were nominated for the Festival competitions. Blue Ribbon Awards were presented to makers of the award-winning 16mm films, and 12 35mm filmstrips received awards. Top winner was the National Film Board of Canada with three Blue Ribbons for *Figure Skating*; *Lewis Mumford on the City, Part 6: The City and the Future*; and *My Financial Career*.

The EFLA Award, established by the EFLA Board of Directors to honor distinguished achievement in the audio-visual field, was presented to Julien H. Bryan, Director of the International Film Foundation. A feature of the Festival was a panel program on "The Quest for Quality." Mr. Bryan was moderator of the panel and panel members were Harry Atwood, University of Arizona; Lee Bobker, Vision Associates; Dan Jones, of NBC's Project 20; Colin Low, National Film Board of Canada; and Russell Mosser, Centron Corp.

Meetings were also held during the Festival by related film organizations. A forum on "Film Alerts on Medical Progress" was sponsored by the Committee on Physical and Mental Health films. Kathryn Linden, Director of the ANA-NLN Film Service, was chairman.

Plans for a vocational school program to train film handlers for motion-picture and television industries in the New York City area are now under way, according to an



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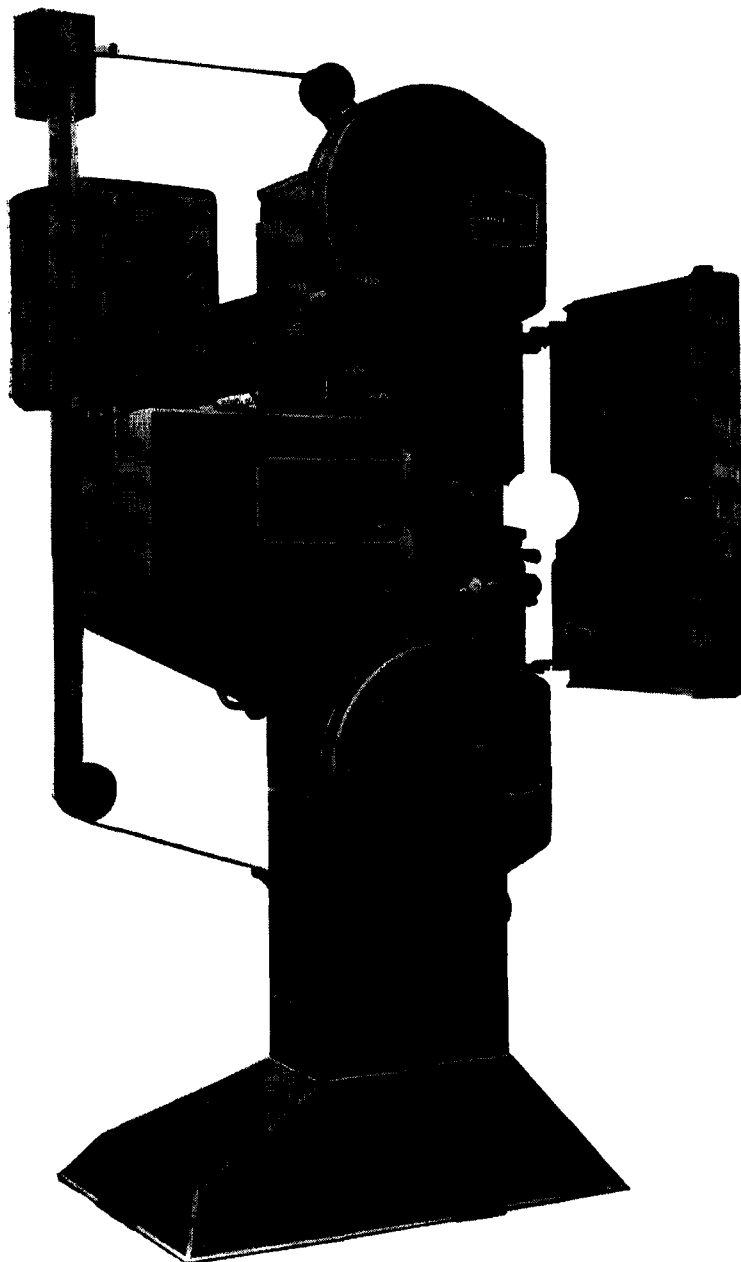
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announcement from Harold Klein, Executive Director of the Film Producers Association of New York. According to Mr. Klein, "Federal, state and city authorities are ready, willing and able to provide a training program for unemployed young adults, and a separate up-grading program for low-level technicians who are currently employed."

Saul Jeffee, President of MOVIELAB, Inc., sponsored the initial meeting, which was attended by leading officials of the New York City Board of Education, networks, unions, laboratories and production and service companies. At a second meeting, held June 3, reports were presented following discussions and conferences on the program with labor and industry representatives.

Mr. Klein said that training classes could be organized with as few as 20 persons, with the courses running for a few months or longer. He added that at the initial meeting everyone present agreed that there was a need for such a program.

The 1964 Design Engineering Conference, sponsored by the Machine Design Division of the American Society of Mechanical Engineers, United Engineering Center, 345 E. 47 St., New York, N.Y. 10017, stressed high-speed photography, which "is becoming an almost indispensable aid to busy engineers in the performance of design work," according to the announcement. An example of high-speed photography used in industry was cited by James

R. Golan of Procter & Gamble Co. He said that a flaw in a "drop and clamp" packet transfer mechanism was detected by the use of high-speed photograph, thus making it possible to correct the defect.

The officers of the Inter-Society Color Council for 1964-65 are: President, Ralph E. Pike; Vice-President, Warren L. Rhodes; Secretary, Ralph M. Evans; and Treasurer, Norman Macbeth. The four Directors of the organization are: Dr. Fred W. Billmeyer, Jr., Milo D. Folley, Dr. Randall M. Hanes and Warren B. Reese. The outgoing President, W. J. Kiernan, becomes a Director for two years. Further information about ISCC and its activities, some of which are noted below, is available from the Secretary, Ralph M. Evans, Photographic Technology Div., Eastman Kodak Co., Bldg. 65, Rochester, N.Y. 14650.

The Problem Subcommittee of the Inter-Society Color Council met May 4 at the Statler-Hilton Hotel, New York, during the Annual ISCC meeting. Problems studied and reported by the various subcommittees include Color Names; Color Specifications; Color Aptitude Test; Standard Practice for Visual Examination of Small Color Differences; The Colorimetry of Transparent Materials; and Basic Elements of Color Education.

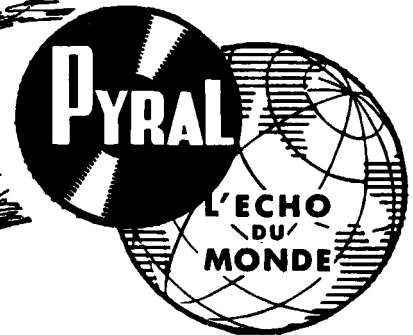
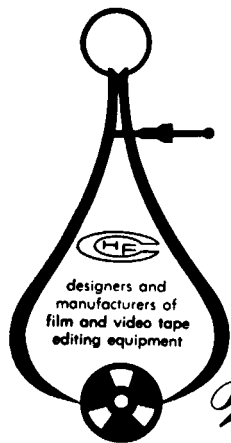
The Inter-Society Color Council has announced in its News Letter No. 169 that the National Society for the Prevention of Blindness has made available to the Coun-

cil a pamphlet on "Color Vision" reprinted from the *Sight-Saving Review*, Vol. 29, No. 4. The article is mainly concerned with color deficient vision, its detection and consequences.

Boyce Nemeč has been elected Vice-President of Reeves Industries, Inc., 302 E. 44 St., New York, N.Y. 10017. He is also President of Reevesound Co., Long Island City, N. Y., a wholly-owned subsidiary of Reeves Industries. Mr. Nemeč, formerly Executive Secretary of the SMPTE, is widely known in the field of photographic technology and motion-picture engineering. As President of Reevesound Co. he guided the company's efforts in such developments as the in-flight motion-picture system now used by two airlines.

Willis H. Pratt, Jr., has been re-elected President of the Council on International Nonthatrical Events (CINE). Other officers reelected are: Vice-Presidents, Charles Dana Bennett, Thomas W. Hope, Dr. Anna L. Hyer and J. Edward Oglesby; Secretary, Alden Livingston; Coordinator, Harold E. Wigren. John Flory is Past-President and James Culver has been elected Treasurer to succeed Brig. Gen. Willard Webb, who was made a CINE Vice-President.

Gerald F. Rackett has been named Technical Director at the Los Angeles plant of Panacolor, Inc. Mr. Rackett joined Pana-



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color about six months ago when the company set out to simplify its process of optically printing color film and soundtrack on black-and-white film stock. Prior to this appointment he had been with Technicolor, Inc., as Assistant General Manager and Vice-President.

Rodney D. Chipp, Consulting Engineer of Bloomfield, N.J., has been elected Chairman of the North Jersey Chapter of the IEEE Professional Group on Communications Systems. Mr. Chipp was formerly Director of Engineering for the Allen B. DuMont Laboratories in Clifton, N.J. Before entering private practice in 1961 he was Director of Engineering of the ITT Communications System in Paramus.

Harvey L. Karp has been named President of Magnasync Corp., a recently acquired subsidiary of Monogram Industries, Inc. Mr. Karp has been Monogram Industries' Financial Vice-President, Secretary-Treasurer, and a Director since 1960. The firm, located at North Hollywood, manufactures commercial and military sound recording systems.

Radiation and film: A method of predicting the effects on photographic film of exposure to radiation in outer space has been devised as a result of studies conducted at the Kodak Research Laboratories, Rochester, N.Y. Effects of given amounts of the various kinds of radiation occurring in

space, such as protons, electrons, and x-rays, are simulated in the laboratory by a given amount of gamma radiation. In a recent presentation at a symposium on "Photographic Effects of Ionizing Radiation" held in Oxford by the Royal Photographic Society of Great Britain, 16 Princes Gate, London, S.W.7, England, Kodak scientists reported, "A single exposure to high energy x- or gamma rays can be calculated that will produce photographic effects similar to those resulting from exposure to the radiations in space. . . . Samples of film that have received the simulating exposure can then be used to determine empirically the losses in film contrast and image detail." Papers presented at symposiums of the Royal Photographic Society appear in its official publication, *Journal of Photographic Science*.

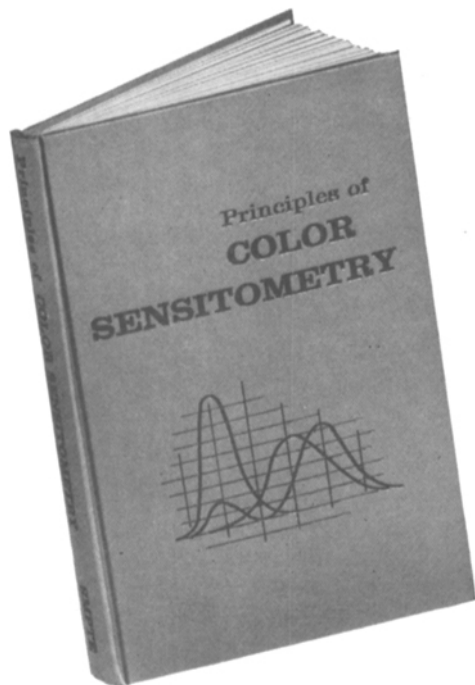
A 400-lb mirror to be used in celestial photography by the 3-ton Stratoscope II balloon-carried telescope is undergoing exhaustive tests in the optical test vacuum chamber of Perkin-Elmer Corp., Norwalk, Conn. The huge fused-silica disc is under test for optical excellence under environmental conditions closely simulating those of the upper atmosphere. In use, the 36-in. mirror will be required to maintain its figure to within a half-millionth of an inch for hours of operation at an altitude of 80,000 ft. In the environmental tests the mirror is placed in a vertical vacuum chamber 5 ft in diameter and 25 ft high. The $f/4$ parabolic primary mirror is placed in the chamber and surrounded by copper refrigeration coils which cool the

mirror to its operating altitude temperature of -65F .

Development of rare earth aluminum garnet crystals at Bell Telephone Laboratories has made possible a solid state optical maser which can operate continuously at room temperature with only a small fraction of the pumping power previously required, according to a recent report. A paper by J. E. Geusic, H. M. Marcos and L. G. Van Uitert in the May 15 issue of *Applied Physics Letters* described results obtained on neodymium-doped yttrium aluminum, yttrium gallium and gadolinium gallium garnets which were grown from a molten salt flux or pulled from the melt. The pulled crystals were prepared by the Linde Division of the Union Carbide Corp. and the flux grown crystals were prepared at Bell Telephone Laboratories. The newly developed garnets are chemically stable, hard, and can be doped with any of the rare earth elements. The crystals are not damaged by the pumping radiation and can be easily polished.

Shipment to Station KIII, Corpus Christi, Tex., of a broadcast antenna with copper-jacketed transmission feed lines, said to be a "first," has been announced by the RCA Broadcast and Communications Products Div. The new Channel 3 station will use approximately 900 ft of the newly designed feed lines with its RCA Superturnstile antenna. The $5\frac{1}{2}$ -ton antenna is mounted on an 810-ft tower. The copper-jacketed Strofex feed lines are said to improve an-

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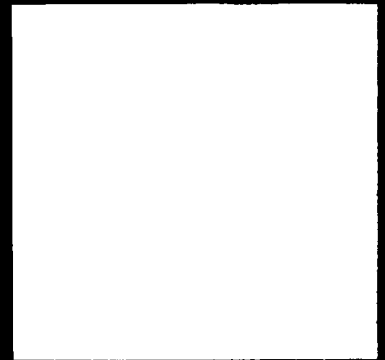
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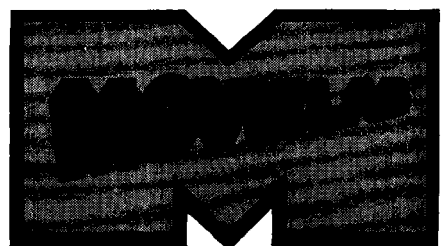
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tenna operating reliability particularly in areas such as the Gulf Coast with heavy concentrations of salt and other corrosion causing elements in the atmosphere.

A 35mm "talking" trailer, produced by Strong Electric Corp., 79 City Park Ave., Toledo, Ohio 43601, is available without charge to all theaters which are installing the firm's new Futura projection arc lamps. The trailer calls attention to the improvement in the brilliance of the projected picture, shows the installation and depicts by means of a split screen effect the extent of the increase in brilliance. The audience is then invited to the projection room to see the lamps in operation. Among theaters installing the new lamps is the 41 Drive-in

at Macon, Ga. The Futuras burn 11mm carbons at 97 amp and at the drive-in projected 5 ft-l at the center of the screen and 4 ft-l at the side.

Eight 16mm Milliken DBM 3 cameras and a TV camera were used in the 19-ton Saturn SA-5. Four of the cameras were equipped with optical fiber bundles to photograph otherwise inaccessible locations. The cameras were used to photograph oxygen-tank behavior, first-stage separation retrorocket firing and ullage-motor and propulsion-system operation.

A decision in favor of Lipsner-Smith Corp. of Chicago in a suit involving patent

rights to the firm's CF₂ Ultrasonic Film Cleaner has been handed down by the U.S. District Court of the Eastern District of New York. The firm had filed a suit alleging infringement of its patent. The court held that the firm is the sole owner of the CF₂ cleaner according to the terms of the patent.


A new acoustical consulting service under the direction of Michael Rettinger as engineer in charge has been announced by the Burbank, Calif., facility of the RCA Broadcast and Communications Products Division. The consulting service, previously available only to users of RCA film recording equipment, is being extended to include architects, builders and others requiring professional counsel in acoustics. Mr. Rettinger, who has been with RCA since 1936, is a well-known authority in the field of acoustics. He is the author of two books on the subject, and numerous papers. Many of his papers have appeared in the *Journal*.

Newly appointed foreign distributors of Technicolor's 8mm Instant Movie Projector are Cinematografica America Unida, S.A., Mexico City; Educational Systems Development Associates, Rizal, Philippines; International Visual Aids Center, Brussels, Belgium; and Ilford Foto Akts., Copenhagen, Denmark. An announcement by Technicolor Corp., 50 Rockefeller Plaza, New York, N.Y. 10020, notes that other foreign distributorships are in Paris, Madrid, Rotterdam, Stockholm and Japan. The projector is also distributed in Canada.

Whittaker Corp. has purchased Electra Megadyne, Inc. (EMI/US) and renamed the unit the Gencom Division. Operations will be handled in conjunction with those of Whittaker's Electronics Division. Gencom will continue to manufacture solid state switching and test equipment and will also distribute EMI (United Kingdom)-manufactured camera and ancillary units.

S.O.S. Photo-Cine-Optics, Inc., has moved from 602 W. 52 St., New York, to a larger, more convenient location at 387 Park Avenue South, New York, according to a recent announcement. The new headquarters contain more than 18,000 sq ft on one floor. Facilities include a modern display room and a separate warehouse. The firm, with its newly expanded operation, is said to be the largest professional motion-picture equipment organization with coast to coast offices devoted to sales and service.

Panacolor, Inc., has announced its intention to compete directly in the color motion-picture printing field. An advertising campaign is now underway for the firm's new process of producing color motion-picture release prints on black-and-white positive film stock. The advertisements stress the competitive aspects by stating "and now there are three color film printing methods." The Panacolor process has been used in the production of release prints for two motion pictures, *The Castilian* and *Pyno*.



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CIMPE	*24 frames per second, Synchro Frequency generator 100 cycle A.C.	666.00
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CIBCO	Battery type CIZ 12 V. 1004 Cadmium nickel in metallic case	160.00
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CIBS	Provides both normal and emergency charge from 120V. A.C. and 220V. A.C. Equipped with ammeter and fuse protection	---
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CIFAR	MAFEE BOX with double filter holder for 2" rod for filters	125.00
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CISUP	ZOOM LENS SUPPORT INTERMEDIATE	30.00
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CICOF	CARRYING CASE For camera, 2 magazines, matte-box, zoom lens, CIFIX tripod intermediate, battery and charger	90.00

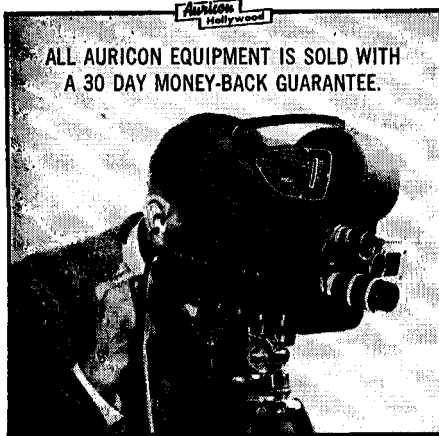
*Basic camera package includes camera head, magazine and CIMPE motor. Camera head cannot be bought separately. Standard lens for camera is Angenieux 12-120 MM Zoom. If camera not ordered with zoom or two lenses, there is a charge of \$ 50. per empty socket. Turret accommodates two lenses.

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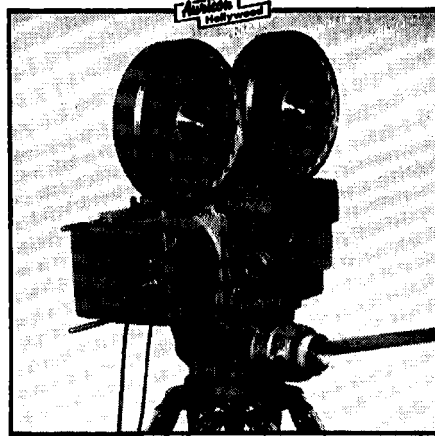



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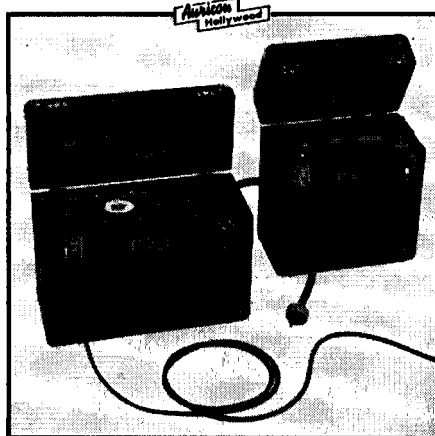
"CINE-VOICE II" 16 mm Optical Sound-On-Film Camera.
 ★ 100 ft. film capacity for 2¾ minutes of recording; 6-Volt DC Converter or 115-Volt AC operation. ★ \$967.00 (and up).

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 ★ 600 ft. film capacity for 16½ minutes of recording. ★ \$1871.00 (and up) with 30 day money-back guarantee.

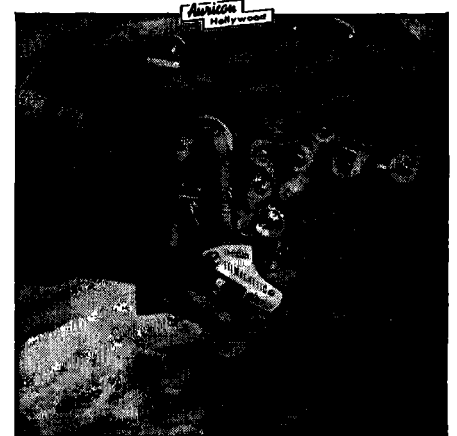
"SUPER 1200" 16 mm Optical Sound-On-Film Camera,
 ★ 1200 ft. film capacity for 33 minutes of recording. ★ \$5667.00 (and up) complete for "High-Fidelity" Talking Pictures.



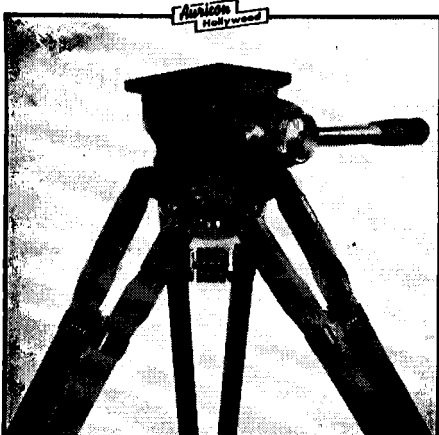
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 ★ 400 ft. film capacity for 11 minutes of recording. ★ \$1,295.00 (and up).



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