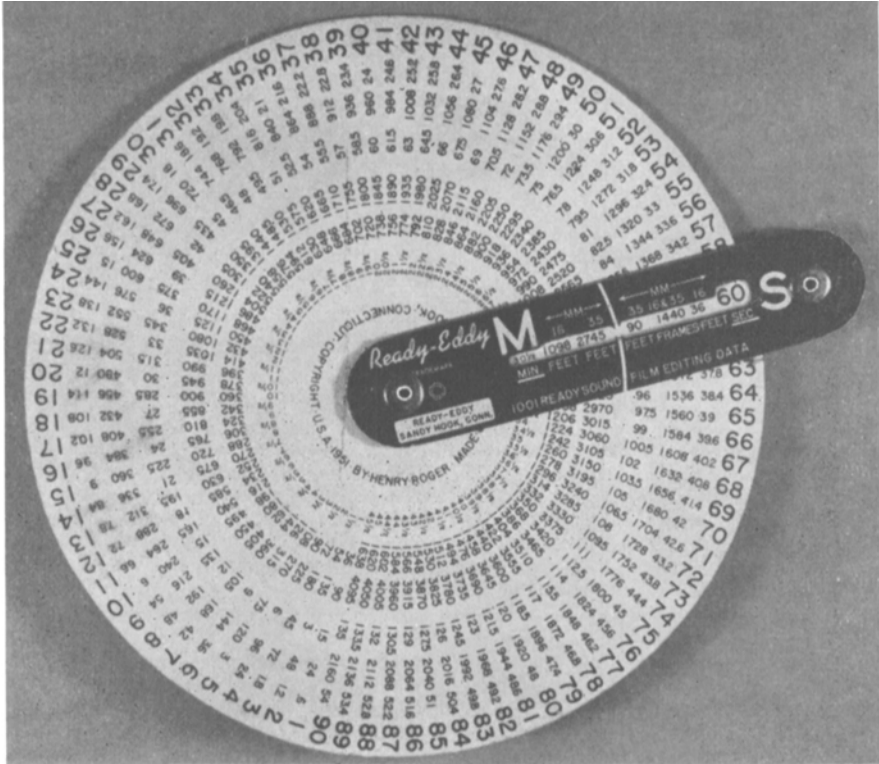


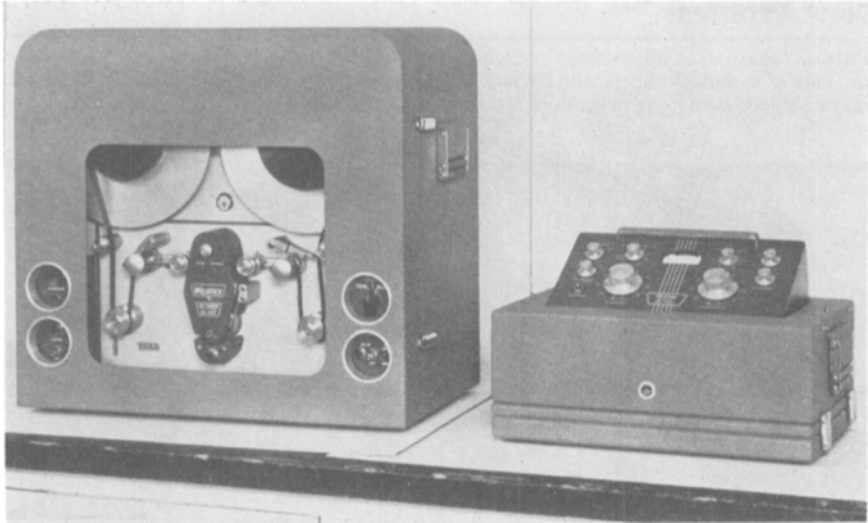
New Products

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



Ready-Eddy is the name given a new computer for sound film editors by its inventor, Henry Roger of Sandy Hook, Conn. It provides, with a turn of the wheel, correlated data regarding footage, projection time in seconds and minutes, number of frames per foot and per second, and equivalents of 16-mm and 35-mm film. One side of Ready-Eddy shows an "F" scale, representing feet, on the circumference of the disk, with four inner bands, two indicating seconds and number of frames for 35-mm film and the next two indicating the same for 16-mm film. The opposite side of the disk has two scales for

time. On the periphery, "S" for seconds relates to three adjoining bands indicating feet of 16-mm film, number of frames of both 16-mm and 35-mm film (in this case the same for both) and feet of 35-mm film. Scale "M" for minutes starts from the inside and is subdivided into half-minutes of projection time. The two adjacent bands indicate the equivalent footages of 16-mm and 35-mm film, for from 1 to 45½ min. The inventor expects Ready-Eddy to be handy for television as well as motion picture editors. It is pocket-size, made of plastic, and costs \$2.00. A plastic carrying case is \$.50 extra.



The 1000 Series Portable Magnetic System now being introduced to the industry is a direct outgrowth of field experience with the earlier 1000 Series System previously described in the *Journal* for March 1951. The number of cases has been reduced to two as shown in the photograph, the two-position mixer being on the right and the recorder being on the left. The latter houses, in addition to the film pulling mechanism, the a-c power supply for the channel, the bias oscillator and the film monitor amplifier.

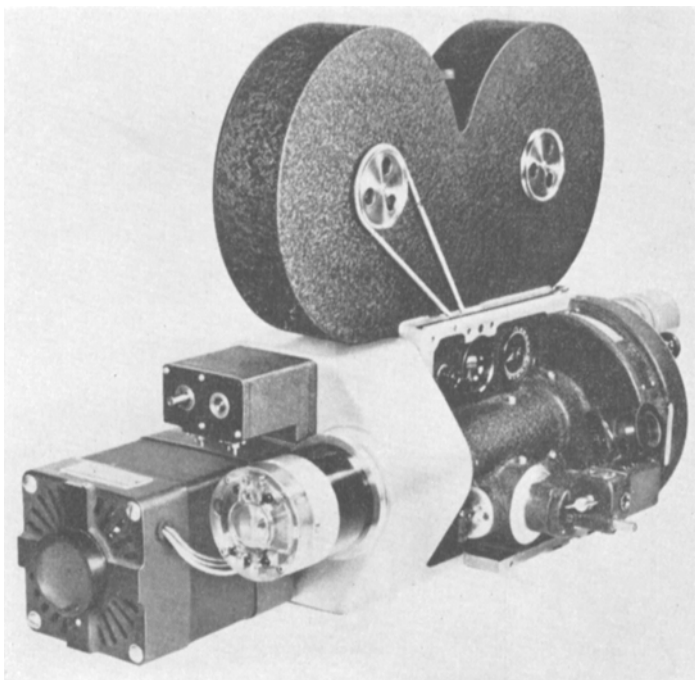
New features of this system include two-way talkback equipment between the mixer and recordist, a talkback amplifier being provided in the recorder housing. Another new feature is a synchronizing bloop unit which records an audible signal when the recorder is up to speed on the magnetic film in synchronism with an optical bloop in the associated photographic camera.

The system operates from 115 v, single-

phase, 50- or 60-cycle a-c supply, provision being also made for motor operation from 220 v, 3-phase, interlock or multi-duty motor systems. Runback at normal speed is provided. The power drain for the electronic components is somewhat less than 100 w and a 2-amp drain at 115 v is required for the single phase motor supply.

The weight of the complete system, including cables, is approximately 170 lb. The system is available for 35-, 17½- or 16-mm operation. The track positions are in accordance with the proposed ASA magnetic track standards for 35- and 16-mm films. The recorder may also be used as a magnetic film reproducer, equalization being provided in the playback amplifier to give an essentially flat response from 50 to 8000 cycles when operating at 90 ft/min. By incorporating some pre-emphasis in recording on 16-mm film, a flat response to 6000 cycles may be obtained at the 16-mm speed of 36 ft/min.

Your Journals bound make a valuable permanent reference. Six issues constitute a Volume and should be bound with the special contents page (supplied beginning with Vol. 56) and index furnished with each June and December issue. For details of binding see page 702 of the June 1951 *Journal*.



The Maurer Servo-Sync Camera Drive, a new system for synchronized motion picture camera operation, providing greatly closer time synchronization than heretofore possible, is announced by J. A. Maurer, Inc., Long Island City, N.Y.

The system, known as the Maurer Servo-Sync Camera Drive System, was designed by Origins, Inc., Saybrook, Conn., and is manufactured by J. A. Maurer, Inc. It is designed to achieve a long-sought goal in scientific photography—dependable, consistent, and accurate operation of a series of motion picture cameras taking their pictures at the same time to close tolerance. Maximum possible deviation of shutter position in this system, which utilizes circular rotating camera shutters, is less than 1° , which at 12 frame/sec is equivalent to an accuracy of 23 microseconds. (A microsecond is one-millionth of a second.) As frame frequency increases, the angular accuracy remains essentially unchanged, while the time accuracy decreases. For example, at 50 frame/sec, the angular deviation is still approximately 1° and the

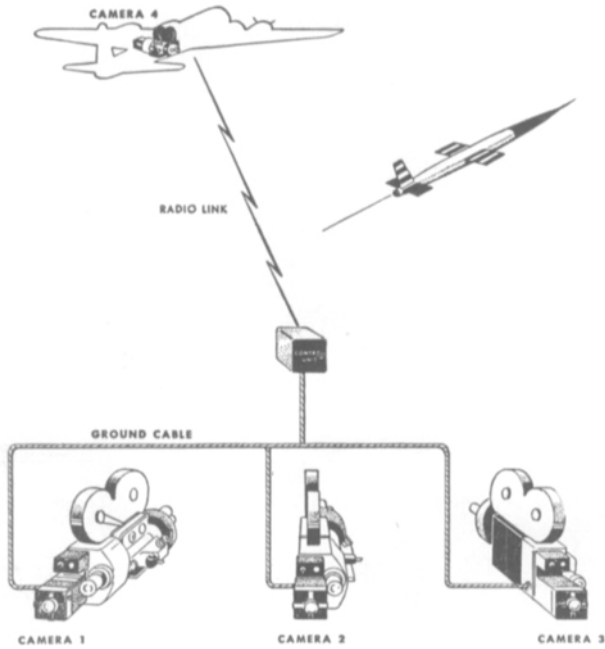
time accuracy has increased to a maximum deviation of 35 microseconds. Due to the nature of the continuously rotating system, failures common to pulse-operated systems are eliminated. Patent rights are reserved.

The Servo-Sync Camera Drive System has been applied to a 35-mm motion picture camera of standard manufacture which uses interchangeable magazines having capacities of 400 and 1000 ft of film. The system is not limited to one camera type but is equally applicable for use with a large number of motion picture, scientific, and ribbon-frame cameras, and motion picture and process projectors.

The 35-mm camera system was developed for the Wollensack Optical Co., Rochester, N.Y.

Among the scientific and engineering applications for which this system will be utilized are: data recording, flight testing, missile tracking, ordnance evaluation, and most applications where two or more sources of information must be recorded at essentially the same time.

There is no practical limit to the number of cameras (projectors) that may be



synchronized by this method. An interesting use lies in three-dimensional studies where two geometrically oriented cameras are required for simultaneous recording. The system also has application in pro-

fessional and television motion picture production where extremely close time synchronization of a number of cameras, projectors, or sound recording apparatus is required.

Statement of the Ownership, Management, and Circulation Required by the Act of Congress of August 24, 1912, as Amended by the Acts of March 3, 1933, and July 2, 1946 (Title 39, United States Code, Section 233), of *Journal of the Society of Motion Picture and Television Engineers*, published monthly at Easton, Pa., for October, 1951.

1. The names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, Society of Motion Picture and Television Engineers, Inc., 40 West 40th St., New York 18, N. Y. Editor, Victor H. Allen, 40 West 40th St., New York 18, N. Y. Managing editor, None. Business manager, Boyce Nemeck, 40 West 40th St., New York 18, N. Y.

2. The owner is: (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual member, must be given.) Society of Motion Picture and Television Engineers, Inc., 40 West 40th St., New York 18, N. Y. Peter Mole, President, 941 N. Sycamore Ave., Hollywood 38, Calif. Robert M. Corbin, Secretary, 343 State St., Rochester 4, N. Y. Frank E. Cahill, Jr., Treasurer, 321 West 44th St., New York 18, N. Y.

No stockholders.
3. The known bondholders, mortgagees, and other security holders owning or holding 1 percent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.) None.

4. Paragraphs 2 and 3 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting; also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner.

5. The average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the 12 months preceding the date shown above was: (This information is required from daily, weekly, semiweekly, and triweekly newspapers only.)

VICTOR H. ALLEN, Editor.
Sworn to and subscribed before me this 17th day of September, 1951.

[SEAL] A. Ruth McCarthy
Notary Public, State of New York, No. 31-7790500, New York County.
(My commission expires in New York County, March 30 1952)