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Minolta Auto-Spot 1° with still and cine scales, under \$210 with wrist strap and pouch case. (Also available with IRE and foot-lambert scales for TV applications.) For details write Minolta Corp., Industrial Sales Division, 200 Park Avenue South, New York, N.Y. 10003.

The Minolta Auto-Spot 1° Exposure Meter



Obituary



Morton Sultanoff

The international field of high-speed photography has lost one of its leading authorities by the death of Morton Sultanoff on June 2, 1970, at the age of 50. For over 20 years Mort had been a friend-in-need to many people in research, development and engineering wherever high-speed photographic problems existed. His capability and willingness to explain the solutions either at the engineering level or in layman's language, always kept Mort as the "one to see" if you needed help. In addition to his capability and wide knowledge on high-speed photography, he was an outstanding communicator and, as such, we believe, could have been an exceptionally fine formal educator.

He was born April 19, 1920, in Philadelphia, and studied mechanical engineering at Drexel Institute of Technology, physics at the University of Delaware and optics at Johns Hopkins University. He was employed for 21 years at the Ballistic Research Laboratories at Aberdeen Proving Ground, Md., and became Chief of the Detonation Section. His specialties were those of a research physicist with a vast knowledge in explosives, an excellent theoretical working knowledge in photographic instrumentation.

Mort's first major contribution to the field of high-speed photography was his grid framing camera ("A 100,000 Frame Per Second Camera" by M. Sultanoff, *Journal* pp. 158-166, August, 1950). This camera was built from surplus parts at a cost less than many amateur cameras cost today. This camera became world famous and thus was started his career of extensive demands as a guest speaker, for technical papers, or to conduct courses at such schools as the University of California at Los Angeles, Massachusetts Institute of Technology and the University of Wisconsin. His premature death cut short his interest in eventually associating more closely with educational and training programs for specialists in his fields of photographic interest.

He participated in the various International Congresses on High-Speed Photography being the only person to attend all of the first eight international meetings. A paper by M. Sultanoff ("Recent Developments in Photographic Instrumentation for the Study of Explosive Reactions") appears in the *Proceedings of the 2nd International Congress on High-Speed Photog-*



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raphy. At the 7th International Congress he gave an invited lecture on "Techniques and Applications of High-Speed Photographic Instrumentation in Physical Research."

He was Associate Program Chairman for Congress Sessions for the Fifth International Congress on High-Speed Photography. He also served on the Technical Program Committee as Topic Chairman for Solicitation of Papers in the U.S.A. and he was on the Board of Editors for the *Fifth Congress Proceedings*.

He presented a paper at the Fifth Congress, "Some Philosophical Aspects of High Speed Photographic Instrumentation," which appears in the January 1961 issue of the *Journal* and also in the *Proceedings*.

Other *Journal* papers by Mr. Sultanoff include "Photographic Instrumentation in the Study of Explosive Reactions" (February 1953) and "New Observations of Explosive Phenomena by Submicrosecond Color Photography" (February 1960).

He joined the Society in 1952 and served for many years on the Photo-Instrumenta-

tion Committee. He was made a Fellow of the Society in 1960 and in 1963 he received the E. I. du Pont Gold Medal Award for "basic study of explosives, using photoinstrumentation techniques, and for his design of a camera capable of making exposures at the rate of 100 million per second." He was also a recipient of the Robert Gordon Memorial Award from the Society of Photo-Optical Instrumentation Engineers for "his advancements of photographic instrumentation."

As a closing and personal note, I worked with Mort on many occasions in the United States and Europe and I realize the extent of the loss to the field of high-speed photography. The crowning note, to me (and to others) of his life-long devotion to this field of interest was his unfailing willingness to work with any one, engineer, scientist, medic or student, by thoroughly explaining the nature of each existing high-speed photographic problem and its solution. To him this desire to be helpful was international and our friends overseas will also miss his helpful advice - *Max Beard*

New Members

The following members have been added to the Society's rolls since the July 1970 *Journal*. Also listed are those regrettably reported as deceased since then. The designations of grade are the same as those used in the July 1970 Directory. An up-to-date list of the Sustaining Members appears on the outside back cover of each month's *Journal*. The members listed below complete the Society's roll as of July 15.

The Directory for Members, Part II of the July 1970 *Journal*, shows the geographic membership distribution by states included in the Sections.

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

Deceased: Benton F. Ashbury (A) Morton Sultanoff (F) Georges A. Wild (M)

BOSTON SECTION

Fine, Robert A., Tech Films Corp. Mail: 148 Ravenswood Rd., Waltham, Mass. 02154 (A)

CAPE KENNEDY SECTION

Cole, T. Richard, Producer-Tech. Dir., T. Richard Cole Productions. Mail: 1724 Northeast 153 Terr., North Miami Beach, Fla. 33162 (A)
Postal, Steve J., TV Engr., Florida Atlantic Univ. Mail: 2655 Golf Blvd. West, Pompano Beach, Fla. 33064 (A)

CHICAGO SECTION

Bennett, Jane H., Lab. Dir., Midwest Film Laboratory, 1122 S. Cheyenne, Tulsa, Okla. 74119 (A)
Berbaum, Clarence, Asst. Chf. Engr., Broadcasting, Univ. of Illinois. Mail: 1724 Coronado Dr., Champaign, Ill. 61820 (A)
Feldzamen, A. N., Vice Pres. & Dir. of Prod., Encyclopaedia Britannica Educ. Corp., 425 N. Michigan Ave., Chicago, Ill. 60611 (M)
Lenox, John T., Sound Engr., Producer Services, Inc. Mail: 1901 W. Lotus, Fort Worth, Texas 76111 (A)
Feich, Charles F., Cinematographer, WSJV-TV. Mail: 907 S. 13 St., Gosheh, Ind. 46526 (A)
Rearick, Edward W., Film Editor, Iowa State Univ. Mail: 412 E. 6 St., Apt. 7, Ames, Iowa 50010 (A)
Rose, Virginia F., Asst. Tech. Operns., Encyclopaedia Britannica Edu. Corp. Mail: 515 Wrightwood Ave., Apt. #106, Chicago, Ill. 60614 (A)

DENVER SECTION

Carpenter, Byron R., Dir. of Engrg., KUTV, Inc. Mail: 594 E. 1130 No., Bountiful, Utah 84010 (A)
Clark, Christopher P., Sls. & Engrg. Rep., MPFM Div., Eastman Kodak Co. Mail: 4062 Mercury Dr., Salt Lake City, Utah 84117 (A)
Kiley, Steven W., Student, Univ. of Denver. Mail: 2272 S. Gilpin, Denver, Colo. 80210 (S)
Perrin, George E., Mot. Pic. Producer, Self Empl., 2956 S. Elati St., Englewood, Colo. 80110 (M)

DETROIT SECTION

Patak, George, Recording Engr., Special Recordings, Inc. Mail: 19921 Albany, Southfield, Mich. 48075 (A)
Short, Leon E., Chf. Engr., WXON-TV. Mail: 8222 W. 6 Mile Rd., Northville, Mich. 48267 (A)

HOLLYWOOD SECTION

Angerhofer, Philip S., Student, California State College, L.A. Mail: 1000 Mt. Curve Ave., Altadena, Calif. 91001 (S)
Bedel, Phillip S., Film Editor & VTR Operator, John Tracy Clinic. Mail: 6532 Zelzah, Reseda, Calif. 91335 (A)
Campbell, David E., Sound Techn., Glen Glenn Sound Co., 6624 Romaine St., Hollywood, Calif. 90038 (A)
Casper, Allen C., Glen Glenn Sound Co. Mail: 23735 Oxnard, Woodland Hills, Calif. 91364 (A)
Cohen, Paul A., Transfer Dept. Supvr., Glen Glenn Sound Co. Mail: 13554 Rye St., Sherman Oaks, Calif. 91403 (A)