

ABBREVIATIONS

- Acta Physiochim.* Acta Physicochimica, U. S. S. R.
- Am. Annual Phot.* American Annual of Photography.
- Am. Chem. J.* American Chemical Journal.
- Am. Cinem.* American Cinematographer.
- Amer. Dyestuffs Reporter.* American Dyestuffs Reporter.
- Amer. Phot.* American Photography.
- Amer. Photo-engr.* American Photo-Engraver.
- Ann. Physik.* Annalen der Physik.
- Arch. wiss. Phot.* Archiv für wissenschaftliche Photographie.
- A. S. T.* American Society for Testing Materials.
- Astrophys. J.* Astrophysical Journal.
- Atelier.* Atelier des Photographen.
- Bell System Tech. J.* Bell System Technical Journal.
- Berichte.* Berichte der Deutschen chemischen Gesellschaft.
- Ber. Intern. Kongr. Phot.* Berichte — Internationalen Kongress für Photographie.
- Brit. Assoc. Rep.* British Association for the Advancement of Science Reports.
- Brit. Chem. Abstr. Coll. Ind.* British Chemical Abstracts, Collective Index.
- Brit. J. Phot.* British Journal of Photography.
- Brit. Jour. Radiol.* British Journal of Radiology.
- Brit. Mus. Subj. Index.* British Museum Subject Index.
- Bull. Soc. Chim. de France.* Bulletin de la société chimique de France.
- Bull. Soc. franc. Phot.* Bulletin de la société française de photographie.
- Bur. Stand. J. of Research.* Bureau Standards Journal of Research.
- Camera* (Phila.)
- Cat. Epst. Coll.* Catalogue of the Epstean Collection. (Columbia Univ. Library.)
- Cent.-Zeitg. f. Optik u. Mechanik.* Zentral-Zeitung für Optik und Mechanik.
- Chem. Abstr. Subj. Ind.* Chemical Abstracts, Subject Index.
- Comm.* Communication from the Kodak Research Laboratories.
- Complete Phot.* The Complete Photographer.
- Comptes rendus.* Comptes rendus hebdomadaires des séances de l'académie des sciences.
- Eder, J. M., Geschichte.* Geschichte der Photographie by J. M. Eder, 4th ed., Halle, 1932.
- Eder Handbuch.* Eder's Ausführliches Handbuch der Photographie, W. Knapp, Halle.
- Eder Jahrbuch.* Eder's Jahrbuch für Photographie und Reproduktionstechnik.
- Epst. Cat.* Catalogue of the Epstean Collection. (Columbia University Library.)
- Gelatine-Leim und Klebstoffe.*
- Geschichte.* Geschichte der Photographie by J. M. Eder, 4th ed., Halle, 1932.
- Gilberts Annalen.* Annalen der Physik.
- Harrison Chem. of Phot.* The Chemistry of Photography by W. Jerome Harrison, New York, 1892.
- Henney Handbook.* Handbook of Photography by Keith Henney and Beverly Dudley, New York, 1939.
- Ind. Eng. Chem.* Industrial and Engineering Chemistry.
- Ind. Eng. Chem., Analyt. Ed.* Industrial Engineering Chemistry, Analytical Edition.
- Index J.S.M.P.E.* Index of Transactions and Journal of the Society of Motion Picture Engineers.
- Jahrbuch.* Jahrbuch für Photographie und Reproduktionstechnik.
- J. Amer. Chem. Soc.* Journal of the American Chemical Society.
- J. Applied Physics.* Journal of Applied Physics.
- J. Biol. Phot. Assn.* Journal of the Biological Photographic Association.
- J. Chem. Ed.* Journal of Chemical Education.
- J. Chem. Soc.* Journal of the Chemical Society (London).
- J. Franklin Inst.* Journal of the Franklin Institute.
- J. Opt. Soc. Amer.* Journal of the Optical Society of America.
- J. O. S. A.* Journal of the Optical Society of America.
- J. Phys. Chem.* Journal of Physical Chemistry.
- J. Textile Inst.* Journal of the Textile Institute.
- Journal of R. P. S.* Journal of the Royal Photographic Society.
- J. Phot. Soc. Amer.* Journal of the Photographic Society of America.
- J. Phys. Chem.* Journal of Physical Chemistry.
- J. Soc. Mot. Pict. Eng.* Journal of the Society of Motion Picture Engineers.
- Kino-Photo Ind.* Kino-Photo Industry.

- Kino-Photo-Chem. Ind.* Kino-Photo-Chemical Industry, U.S.S.R. (In Russian).
- Kodak Data Book of Applied Phot.* Kodak Data Book of Applied Photography.
- Kolloid-zeitschrift.* Kolloid Zeitschrift.
- Leica Phot.* Leica Photography.
- Mees, Theory Phot. Process.* The Theory of the Photographic Process by C. E. K. Mees, New York, 1942.
- Microsc. Soc. Trans.* Transactions of the Microscopical Society of London.
- Misc. Pub.* Miscellaneous Publications.
- Mitt. Nikolai-Hauptsternwarte Pulow,* Pul-kovo Ivestia [*Bulletin*].
- Nat. Lith.* National Lithographer.
- Neblette, Photography.* Photography, Its Principles and Practice by C. B. Neblette. 2nd ed., New York, 1930; 4th ed., New York, 1942.
- Ord. Dept. Doc.* Ordnance Department Document.
- Phil. Mag.* Philosophical Magazine.
- Phil. Trans.* Philosophical Transactions of the Royal Society of London.
- Phot. Annual.* Photography Annual, London, 1894-1899. The Photographic Annual, London, 1905 to date.
- Phot. Ind.* Photographische Industrie.
- Phot. Industrie.* Photographische Industrie.
- Phot. J.* Photographic Journal, London.
- Photo. Art Monthly.*
- Phot. Korr.* Photographische Korrespondenz.
- Photo-Min.* The Photo-Miniature.
- Photogrammetric Eng.* Photogrammetric Engineering, Washington, D. C.
- Photo-Lab-Index.* Photo-Lab-Index by Henry M. Lester, 5th ed., New York, 1943.
- Phot. Tech.* Photo Technique.
- Pop. Astronomy.* Popular Astronomy.
- Proc. Amer. Soc. Testing Materials.* Proceedings of the American Society for Testing Materials.
- Proc. Int. Cong. Phot.* Proceedings of the — International Congress of Photography.
- Rev. d'Optique.* Revue d'Optique.
- Rev. Sci. Instr.* Review of Scientific Instruments.
- Repertorium der Phot.* Repertorium der Photographie.
- Roy. Soc. Proc.* Proceedings Royal Society (London).
- Science et Industrie Phot.* Science et industries photographiques.
- Sci. Ind. Phot.* Science et industries photographiques.
- Sitz. med.-nat. Ges.* Sitzungsberichte der Deutscher naturwissenschaftlich-medizinischerverein für Böhmen "Lotos" in Prag. (1896-1906.)
- Sitzungsber. d. Akadem. d. wiss.* Sitzungsberichte Akademie der Wissenschaften, Wien.
- Sitzungsber. preuss. Akad. wiss.* Sitzungsberichte der preussischen Akademie der Wissenschaften (Berlin).
- Subj. List Pat. Off.* Subject List of Works on Photo-mechanical Printing and Photography in the Library of the Patent Office, London, 1914.
- Trans. Faraday Soc.* Transactions of the Faraday Society.
- Trans. Roy. Soc. Canada.* Transactions of the Royal Society of Canada.
- Trans. Soc. Ill. Eng.* Transactions of the Illuminating Engineering Society.
- Trans. Soc. Mot. Pict. Eng.* Transactions of the Society of Motion Picture Engineers.
- Ver. der Deutsch. Physik. Ges.* Verhandlungen der Deutsche Physikalische Gesellschaft.
- Veroff. der wiss. Lab.* Veröffentlichungen des wissenschaftlichen Zentral-Laboratoriums der photographischen Abteilung, Agfa.
- Zeit. angewandte Phot.* Zeitschrift angewandte Photographie.
- Zeit. Physik.* Zeitschrift für Physik.
- Z. w. P.* Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie.
- Z. wiss. Phot.* Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie.

ABBE, ERNST (1840-1905)

Neue Apparate zur Bestimmung des Brechungs- und Zerstreuungsvermögens fester und flüssiger Körper. Jena, 1874.

Ueber Verbesserungen des Mikroskops mit Hilfe neuer Arten optischen Glases. (Reprint from *Sitz. med.-nat. Ges.*, Jena, 1886.)

Gesammelte Abhandlungen. 2 vols. Jena, 1904-1906.

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ABNEY, WILLIAM DE WIVELESIE (1843-1920)

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46 papers listed.

ABSTRACTS

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Eastman Kodak Co.: Monthly Abstract Bulletin from the Kodak Research Laboratories. June 1915 to date. Rochester, N. Y.

Eastman Kodak Co.: Selected Abstracts of Photographic Literature. Rochester, N. Y. 1943.

Published at intervals throughout the year. The abstracts are taken mainly from the *Monthly Abstract Bulletin* and grouped in 12 sections: 1, Practical, Black-and-White, Still Photography; 2, Industrial and Commercial Applications; 3, Scientific and Technical Applications; 4, Teaching Photography and Visual Education; 5, Types and Processes of Photography; 6, Cinematography; 7, Color Photography and Color; 8, Apparatus, Equipment, and Premises; 9, Sensitized Materials and Photographic Chemicals;

10, Sensitometry and Densitometry; 11, History, Bibliography, General Theory.

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Royal Photographic Society of Great Britain—Scientific and Technical Group: Photographic Abstracts. Quarterly, London, 1921 to date.

The Photographic Review of Reviews. A Synopsis of the Photographic Literature of the World. Edited by Walter D. Welford. I, 1892, pp. viii, 456 (1,000 abstracts); II, 1893, pp. iv, 408 (1,000 abstracts); III, 1894, pp. iv, 416 (1,000 abstracts); IV, 1895, pp. iv, 410 (1,000 abstracts). Continued as: The Photographic Review *new series*. I, 1896, pp. 384 (500 abstracts); II (No. 1), 1897, pp. 24. *No more published*. London, 1892-1897.

Science et Industries Photographiques, Paris.

The Society of Motion Picture Engineers, Its Aims and Accomplishments. Synopses of Papers Published, Author and Subject Indexes, Officers and Committees. July 1916 to June 1930. New York, 1930.

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Index, J.S.M.P.E., 1930-1935.

20 references.

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ACTINOMETER (See Exposure Meter)

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AERATION (See Developers)

BIBLIOGRAPHIC ABBREVIATIONS

<i>Ann. or Ann. d. Chemie</i>	.	=	<i>Justus Liebig Annalen der Chemie</i> , Leipzig.
<i>Ann. Phys.</i>	.	=	<i>Annales de Physique</i> , Paris
<i>Atti Accad. Lincei</i>	.	=	<i>Atti della Accademia dei Lincei</i> , Roma.
<i>Ber.</i>	.	=	<i>Berichte der Deutschen Chemiker Gesellschaft</i> , Berlin.
<i>Bild u. Ton</i>	.	=	<i>Bild und Ton</i> , Berlin.
<i>Brit. Jl. Appl. Physics</i>	.	=	<i>British Journal of Applied Physics</i> , London.
<i>Brit. Jl. Phot.</i>	.	=	<i>British Journal of Photography</i> , London.
<i>Brit. Kinema</i>	.	=	<i>British -Kinematography</i> , London.
<i>Bull. Soc.</i>	.	=	<i>Bulletin de la Société Chimique de France</i> , Paris.
<i>Canad. Jl. Phys.</i>	.	=	<i>Canadian Journal of Physics</i> , Ottawa.
<i>Chem. Abstr.</i>	.	=	<i>Chemical Abstracts</i> , Easton (Pa.), U.S.A.
<i>Chem. Ztg.</i>	.	=	<i>Chemiker Zeitung</i> , Cothen.
<i>Chimie et Ind.</i>	.	=	<i>Chimie et Industrie</i> , Paris.
<i>C.R. or Compt. Rend. Ac.</i>			
<i>Sc. Paris</i>	.	=	<i>Comptes Rendus de l'Académie des Sciences</i> , Paris.
<i>Helv. Chim. Acta</i>	.	=	<i>Helvetica Chimica Acta</i> , Basel.
<i>Helv. Phys. Acta.</i>	.	=	<i>Helvetica Physica Acta</i> , Basel.
<i>Ind. and Eng. Chem.</i>	.	=	<i>Industrial and Engineering Chemistry</i> , Easton (Pa.), U.S.A.
<i>J.A.C.S. or Jl. Amer.</i>			
<i>Chem. Soc.</i>	.	=	<i>Journal of the American Chemical Society</i> , Easton (Pa.), U.S.A.

- Jl. Appl. Phys.* . . . = *Journal of Applied Physics*, Lancaster (Pa.), U.S.A.
Jl. Chem. Phys. . . . = *Journal of Chemical Physics*, Lancaster (Pa.), U.S.A.
J.C.S. or Jl. Chem. Soc. . . = *Journal of the Chemical Society*, London.
Jl. Chim. Phys. . . . = *Journal de Chimie Physique*, Paris.
Jl. Frankl. Inst. . . . = *Journal of the Franklin Institute*, Philadelphia (U.S.A.).
J.O.S.A. or Jl. Opt. Soc. Amer. . . . = *Journal of the Optical Society of America*, Lancaster (Pa.), U.S.A.
Jl. Phot. Sci. . . . = *Journal of Photographic Science*, London.
Jl. Phys. . . . = *Journal de Physique et le Radium*, Paris.
Jl. Phys. Chem. . . . = *Journal of Physical and Colloid Chemistry*, Baltimore.
Jl. f. Prakt. Chem. . . . = *Journal für Praktische Chemie*, Leipzig.
Jl. Res. Bur. Standards . . = *Journal of Research*, Bureau of Standards, Wash.
Jl. Sci. Instrum. . . . = *Journal of Scientific Instruments*, London.
Jl. Soc. Chem. Ind. . . . = *Journal of the Society of Chemical Industry*, London.
Jl. Soc. Mot. Pict. Tel. Eng. or J.S.M.P.T.E. . . = *Journal of the Society of Motion Picture and Television Engineers*, Easton (Pa.), U.S.A.
Jl. Soc. Sci. Phot. Japan . . = *Journal of the Society of Scientific Photography of Japan*, Tokyo.
Kino-Technik . . . = *Kino-Technik*, Berlin.
Kodak Abstr. . . . = *Abstract Bulletin*, Kodak Research Laboratory, Rochester, U.S.A.
Koll. Zeits. . . . = *Kolloid Zeitschrift*, Frankfurt a/M.
Nature . . . = *Nature*, London.
Non destr. Testing . . . = *Non-destructive Testing*, Skioke (Ill.), U.S.A.
Nuovo Cim. . . . = *Nuovo Cimento*, Firenze.
Phil. Mag. . . . = *Philosophical Magazine*, London.
Phot. Engng. . . . = *Photographic Engineering*, Washington.
Phot. Ind. . . . = *Die Photographische Industrie*, Berlin.
Phot. Jl. . . . = *Photographic Journal* (actuellement *Jl. Phot. Sci.*).
Phot. Korr. . . . = *Photographische Korrespondenz*, Vienne.
Phot. Sci. Techn. . . . = *Photographic Science and Technique*, Philadelphia.
Phys. Rev. . . . = *Physical Review*, Lancaster (Pa.), U.S.A.
Phys. Zeits. . . . = *Physikalische Zeitschrift*, Leipzig.
Proc. Roy. Soc. . . . = *Proceedings of the Royal Society*, London.
Process Engr. Month. Radiology . . . = *Process Engravers' Monthly*, London.
Rev. Opt. . . . = *Revue d'Optique theorique et instrumentale*, Paris.
Rev. Sci. Instrum. . . . = *Review of Scientific Instruments*, Lancaster (Pa.), U.S.A.
Sc. et Ind. Phot. . . . = *Science et Industries Photographiques*, Paris.
Trans. Farad. Soc. . . . = *Transactions of the Faraday Society*, London.
Zeits. Anal. Chem. . . . = *Zeitschrift für Analytische Chemie*, Wiesbaden.
Zeits. Angew. Chemie . . . = *Zeitschrift für Angewandte Chemie*, Heidelberg.
Zeits. Anorg. Chemie . . . = *Zeitschrift für Anorganische Chemie*, Hamburg.
Zeits. Elektrochem. . . . = *Zeitschrift für Elektrochemie*, Weinheim.
Zeits. Physik. . . . = *Zeitschrift für Physik*, Berlin.
Zeits. Wiss. Phot. . . . = *Zeitschrift für Wissenschaftliche Photographie*, Leipzig.