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COLOR PHOTOGRAPHY

A LIST OF REFERENCES IN
THE NEW YORK PUBLIC LIBRARY

COMPILED BY

WILLIAM BURT GAMBLE

Chief of the Science and Technology Division

WITH INTRODUCTION BY

E. J. WALL

Associate Editor of "American Photography"

NEW YORK

1924

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174
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COLOR PHOTOGRAPHY

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INTRODUCTION

IT is interesting to note that a print in the approximate colors of nature was obtained before photography, as we now understand it, had become an accomplished fact. J. T. Seebeck sent to the poet Goethe a note: "On the chemical action of light and colored illumination," in which he described the reproduction of a spectrum in colors on damp silver chloride. This was published by Goethe as an appendix to his "Zur Farbenlehre" (Tübingen, 1810, Bd. 2, p. 717). Descriptions of Daguerre's and Fox Talbot's processes of photography were published in 1839.

The Seebeck process attracted some attention in the early days, notably from Sir John Herschel, E. Becquerel, Niepce de Saint Victor and Poitevin. But excellent as are the results thus obtainable this process has become more of a pretty laboratory experiment than a working method, because no means have been found of making such pictures permanent. The process is based on the fact that the "subchlorides" of silver, that is, the dark-colored products of the action of light on white silver chloride, assume the colors of the incident light. When silvered plates or homogeneous films of silver subchloride on reflective surfaces are used, the colors are partly due to the formation of silver in laminae, separated from one another by half the wave-length of the incident light. Using paper supports involving no regular reflection, the colors become the so-called "body colors," which may be looked upon as light-formed pigments. Fixation of such pictures destroys in the former case the ordered separation of the laminae, and in the latter case the surface color and chemical nature of each body pigment are altered.

J. Clerk Maxwell, the famous English physicist, was the first to suggest the possibility of obtaining photographs in natural colors by splitting up the subject into its three component colors, red, green, and blue-violet, in accordance with the Young-Helmholtz theory of trichromatic vision. He actually attempted (Proc. Roy. Soc. 1859, v. 60, p. 404, 484) to reproduce a subject in this manner by photographing it through liquid color filters of the above named hues and projecting transparencies from the negatives through similarly colored filters by means of three lanterns. The result was, of course, but an evanescent picture and by no means perfect, for at that time there was no known means for rendering the silver salts responsive to colors other than blue and violet. Maxwell seems to have confined his attention solely to a projected screen picture.

E.S. 18-2-18-24

To Ducos du Hauron and Charles Cros, two Frenchmen, belongs the honor of having first outlined the possibility of producing prints in colors. Though working quite independently of one another, they practically laid the bases of modern practice, in two papers presented to the Société Française de Photographie on the same day (Bull. Soc. franç. Phot. 1869, tome 15, p. 122, 152). Du Hauron had, however, sent a paper to the Académie des Sciences as early as 1862, in which he outlined his theory, but unfortunately this was rejected because no proofs of the correctness of his arguments were adduced.

The basis of these processes was again the splitting up of the subject into the three fundamental colors and printing from the negatives in the complementary colors. Of recent years all that has been done is the perfection of minor details of the process; the basic facts were determined once for all by the above experimenters, who seem to have been entirely ignorant of Clerk Maxwell's work.

The sensitive surfaces of that time were very slow, initially sensitive only to blue, violet and the ultra-violet, and the means for color-sensitizing, which was mainly effected with chlorophyll, not very effective. It was not till H. W. Vogel's discovery of the theory of optical sensitizers (Berichte, 1873, Jahrg. 6, p. 1305) that marked color-sensitivity was possible. Vogel discovered that the addition of certain anilin dyes to a photographic emulsion considerably enhanced its sensitiveness to the less refrangible spectral rays. Up to this time two collodion processes, either the wet or emulsion methods, were alone used, and their comparative insensitiveness was a serious handicap. The introduction of the gelatine plate and the recent discovery of new and much more potent color sensitizers, the isocyanins, have placed all three-color processes on a practical basis.

The superposition of aerial colored images, as in the chromoscope, the principle of which was clearly outlined by du Hauron and Cros in their early papers, is by no means sufficient from a practical point of view. A print in colors is the great desideratum and although the many processes so far worked out are in most cases satisfactory, yet the fact that three negatives and three colored superposed pulls are required has undoubtedly militated against the more general adoption of these methods by the average worker, for obviously the chances of failure are increased sixfold.

Du Hauron outlined a possible method by means of which the three exposures might be reduced to one. This was effected by the application of the three selective color filters in microscopic dimensions to one surface, so as to form a color mosaic of the subject, the color elements being of sufficient minuteness as to present, when viewed at the distance of normal vision, a homogeneous grey. This is the principle of the screen-plate process, which was brought to perfection by MM. Lumière in 1907, in their Autochrome plate. In this, potato starch grains, stained in accordance with the theoretical requirements, are distributed over a glass surface, there being approximately 4,000,000 per square inch of surface. This color-mosaic is coated with an emulsion and the camera exposure made through the color grains. The primary negative image thus

obtained, which appears in the complementary colors, is dissolved and a positive is obtained in the colors of the original. Here again one meets with the great disadvantage that the results are on glass. Nor is there any really satisfactory method of making paper prints from Autochrome. If more than one result is required a separate exposure has to be made for each. It is true that it is possible to use the mosaic color filters on a separate surface and obtain an ordinary negative, broken up into minute areas of varying density according to the colors of the subject and from this to make any number of glass positives and bind the latter in register with a color mosaic filter and thus obtain satisfactory reproductions; but they are still on glass.

The ideal process of color photography would possibly be one which would give us a stable color image in the camera, from which any number of replicas could be made. The feasibility of some such process is proved by the fact that many inorganic and organic colors fade or bleach out under the action of their complementary colored rays. This is a fact known from the very earliest days and many attempts have been made to work out a practicable process, using the brilliant anilin colors as bases. Distinct and marked advances have been made. But even at its best the camera exposures are inordinately long, extending over many hours, and the fact that no means of completely 'fixing' the colors (that is, destroying the fading properties), has made the bleach-out process more of an interesting laboratory experiment than a work-a-day one.

Wilhelm Zenker ("Lehrbuch der Photochromie," Berlin, 1868) outlined the possibility of obtaining photographs in natural colors by the regular reflection from silver laminae, deposited in a film at a separation of half the wavelength of the incident light, whereby interference would be set up with color formation. Otto Wiener (Wiedemann's Annal. 1890, Bd. 40, p. 203) proved experimentally that the formation of "standing waves" in a silver emulsion film, by reflection of the incident light back on its own path from a mirror surface, was possible. But to Gabriel Lippmann, of Paris, belongs the honor of having first produced in a grainless film the laminary deposit of metallic silver (Comptes rendus, 1891, tome 112, p. 274), showing the brilliant interference colors that reproduced those of the original. The essentials for this process are an emulsion of a silver salt in which the latter is in such a finely divided state that the vehicle looks quite transparent. If such an emulsion on its glass support be placed in contact with a reflecting surface, metallic mercury being generally employed, the incident light is reflected back on the same path and gives rise to the stationary waves, in which the ether particles vibrate to and fro without any progressive movement. That is, the incident and reflected rays interfere with one another and where their phase motions coincide there is increase of ether vibration and consequent increase of light, while when they interfere regularly with one another the vibrations are annulled, consequently there is absence of light and no chemical action on the sensitive silver salt.

When these interference heliochromes are examined under suitable conditions of lighting, they show an accuracy and brilliancy of coloring which is very remarkable. Unfortunately this, too, remains but a laboratory experi-

ment, for the extreme slowness of the emulsion (about 2,000 times less than that of the normal slow plate) as well as the necessity of making the plates for oneself, have barred the process from general practice.

The diffraction process, devised by Professor R. W. Wood, of Johns Hopkins University (U. S. Patent 755, 983, 1904), involving the splitting up of white light by diffraction gratings, although beautiful from a theoretical point of view, is again only a laboratory process. The results are on glass and must be viewed in a particular manner in order that the colors may be seen. These are superimposed spectral, not pigmentary, colors. To the same category belong the prismatic dispersion process of Drac (English Patent 1,008, 1904) which is actually based on a suggestion of Charles Cros (*Les mondes*, Feb., 1869); the micro-spectra methods of Lanchester (English Patent, 16,548, 1895); and Rheinberg (*Photographic journal*, 1912, v. 52, p. 162), and others.

The future of color photography, from the amateur worker's point of view, lies on the laps of the Gods. There are, exclusive of the screen-plate process, excellent methods which will give practically correct reproductions of the colors of nature. But they are too tedious and call for more care than the average worker will expend. The extraordinary facility with which an ordinary black-and-white photograph can be obtained has completely jaundiced the outlook of the average worker as regards color methods. He must have one that will give him his color record with the same ease as in black and white.

The future of color photography lies in two directions: the one, in its more widespread use in illustration; the other in the moving picture. The recent advances in photomechanical printing processes, as in rotary-gravure and offset, should open up a still wider field for book illustration; for with these methods the mechanical grain is so much reduced as to give a much more pleasing and delicate reproduction than with the ordinary half-tone block, the grain or network of which becomes, unless extreme care be used, very offensive in three-color printing.

It is no exaggeration to state that the photographic end of these processes is perfected — that there is practically no improvement to be made. The advance which must be made lies with the printing ink makers. Exactly how improvement and perfection are to be attained is not easy to see. If permanency of the colors in the pictures were not a vital point the problem could be solved; but as it is demanded, and rightly too, that the inks shall be permanent (that is, stable to light) the ink maker is heavily handicapped from the start. The theoretical requirements for the three inks, red, yellow, and blue, are well established and it is known that by the use of the brilliant coal tar colors these requirements can be met. But though the advances of recent years in overcoming the fugitiveness of the anilin lakes have been great, the problem has not yet been solved and the ink maker has perforce to use more stable pigments, which will not fulfill the fundamental requirements. Hence, unless handwork or retouching, both expensive and tedious, are resorted to, the photographic work is unsatisfactory.

It is more than probable that many will not agree with the writer in his views as to motion pictures in colors. But that we shall have them in a few years is a foregone conclusion. Many attempts have been made and there are one or two methods which are theoretically perfect, but these are not commercially adaptable and their adoption would necessitate a revolution in the method of showing pictures in every theater. One or two processes are being tried out at the present time with more or less success; but they are two-color methods and are, therefore, so incomplete in color rendering as to seriously handicap advances in this direction. Many will be able to recall the old Kinemacolor process, a two-color process of projection in which the pictures were shown in red and green in rapid succession, the effect depending upon the fusion of the color in the brain of the observer. All the methods based on this persistence and fusion of vision are hopeless, as one soon becomes conscious of an eye-strain and retinal fatigue that is extremely trying. Those in which each projected picture appears as a complete color composite are not commercial methods, because special apparatus is required for showing them. The future of the motion picture in colors lies in a process which will give each minute picture complete in all the colors, and adaptable to any ordinary projector.

Many have advanced as an argument against the use of color in motion pictures that it would detract from the picture — that is from the acting. This always seems to me a weak argument, or else it shows a poor standard of acting. Would it not be as legitimate to argue that the ordinary properties and stage settings militate against the acting and the lines of the legitimate or speaking drama? Yet one does not become conscious of these. If color is used, as it should be, merely as a subsidiary and not the essential in the motion picture, it should not detract from the silent drama.

It is impossible to omit some few words as to the value of this compilation of references available in The New York Public Library. It is incalculable. It places in the hands of the student of the subject a ready means of knowing what has been done and said by others. And by its means it is possible to start out on a line of research primed with past efforts, past successes, past failures, so that months of useless and costly spade-work can be saved. — E. J. W.

THE LIST

1761

1. Tiphaigne de la Roche, Charles Francois. Giphantia; or, A view of what has passed, what is now passing, and, during the present century, what will pass, in the world. Translated from the original French [of C. F. Tiphaigne de la Roche], with explanatory notes. London: Robert Horsfield, 1760-61. 2 v. in 1. 12°. **SB**

See [part 1], p. 95-98 for a fanciful account of a process suggesting Lippmann's. These passages also printed, with comments, in *British journal of photography*, May 29, 1891, v. 38, p. 342, *MFA*.

"Thou knowest that the rays of light, reflected from different bodies, make a picture and paint the bodies upon all polished surfaces, on the retina of the eye, for instance, on water, on glass. The elementary spirits have studied to fix these transient images; they have composed a most subtle matter, very viscous, and proper to harden and dry, by the help of which a picture is made in the twinkling of an eye."

1792

2. Wuensch, Christian Ernst. Versuche und Beobachtungen über die Farben des Lichtes... Leipzig: J. G. I. Breitkopf und Comp., 1792. xii, 114 p. illus. 8°. **PEX**

Wünsch (born 1744, died 1828), a professor in the University of Leipzig, was probably the first to prove the theory of the three visual primary colors. An abstract of this section of the book may be found in J. C. Fischer's *Geschichte der Physik*, v. 7, 1806, p. 50, of which the Library has a copy, *PAB*. There is an abstract in English in *British journal of photography*, London, May 7, 1909, v. 56, *Colour photography supplement*, p. 34-36, *MFA*.

1810

3. Goethe, Johann Wolfgang von. Zur Farbenlehre. Tübingen: J. G. Cotta, 1810. 2 v. and atlas. 8° and 4°. **PEX** and †**PEX**

"Goethe took great interest in the work of Seebeck and the best account of the experiments in question is preserved in Goethe's treatise on colour." — *Bolas*.

4. Seebeck, Johann Thomas. Von der chemischen Action des Lichts und der farbigen Beleuchtung. (In: J. W. von Goethe, Zur Farbenlehre. Tübingen, 1810. 8°. Bd. 2, p. 716-720.) **PEX**

1820

5. Seebeck, Johann Thomas. Über die ungleiche Erregung der Wärme im prismatischen Sonnenbilde. (Königliche Akademie der Wissenschaften. Abhandlungen. Berlin, 1820. Jahren 1818-19, p. 305-350.) ***EE**

Also in *Journal für Chemie und Physik*, Halle, 1824, Bd. 40, p. 129-176, *PAA*.

1833

6. Brewster, Sir David. A treatise on optics. 1st American edition... Philadelphia: Carey, Lea, & Blanchard, 1833. 323, 95 p. illus. 12°. **PEB**

Seebeck's and Wollaston's experiments on coloring power of the spectrum described on p. 83.

1840

7. Herschel, Sir John Frederick William. A letter to the Rev. William Whewell... on the chemical action of the solar rays. (British Association for the Advancement of Science. Report of the 9th meeting, Birmingham, August, 1839. London, 1840. part 2, p. 9-11.) ***EC**

"When a slip of sensitive paper is exposed to a highly concentrated spectrum, a picture of it is rapidly impressed on the paper, not merely in *black*, but in *colours*."

8. — On the chemical action of the rays of the solar spectrum on preparations of silver and other substances, both metallic and non-metallic, and on some photographic processes. illus. (Royal Society of London. Philosophical transactions, London, 1840, part 1, p. 1-59.) ***EC**

"The result was equally striking and unexpected. A very intense photographic impression of the spectrum was rapidly formed, which, when withdrawn and viewed in moderate daylight, was found to be coloured with sombre, but unequivocal tints, imitating those of the spectrum itself... I have not succeeded in fixing these tints. They are, however, susceptible of half fixing by the mere action of water, and may be viewed at leisure in moderate daylight, or by candlelight."

1841

9. Herschel, Sir John Frederick William. Letter... dated July 31, 1841. (British Association for the Advancement of Science. Report of the 11th meeting, Plymouth, July, 1841, London, 1842, part 2, p. 40.) ***EC**

Submits a number of photographs tinted with vegetable coloring matters which have been eaten away by the luminous rays of the spectrum. "A circumstance which, considering the great command of colour which this new variety of the photographic art affords, holds out no slight hope of a solution of the problem of a photographic representation of natural objects in their proper colours."

10. Waller, Augustus. Experiments on the coloured films formed by iodine, bromine, and chlorine upon various metals. (London, Edinburgh, & Dublin philosophical magazine, London, 1841, v. 21, p. 426-437.) **OA**

1843

11. **Herschel**, Sir John Frederick William. On the action of the rays of the solar spectrum on vegetable colours, and on some new photographic processes. illus. (Royal Society of London. Philosophical transactions, London, 1842, part 1, p. 181-214.)

* EC

Also printed in *London, Edinburgh & Dublin philosophical magazine*, London, 1843, v. 22, p. 5-21, 107-115, 246-252, O.A.

12. **Talbot**, H. F. On the coloured rings produced by iodine on silver, with remarks on the history of photography. (London, Edinburgh, and Dublin philosophical magazine, London, 1843, v. 22, p. 94-97.) O.A.

Also printed in *Daguerreian journal*, New York, May 1, 1851, v. 1, p. 357-359, MFA (Humphrey's).

1848

13. **Becquerel**, Edmond. De l'image photographique colorée du spectre solaire. (Annales de chimie et de physique, Paris, 1848, série 3, tome 22, p. 451-459.) PAA

German translations in *Dinglers polytechnisches Journal*, Jahrg. 1848, Bd. 110, p. 25-30, 3-VA, and in *Journal für praktische Chemie*, Jahrg. 1848, Bd. 2, p. 358-365, PKA. Abstracted in the *Comptes rendus* of the Académie des sciences, Paris, 1848, tome 26, p. 181-183, *EO. English translation in *Photographic news*, London, 1859, v. 2, p. 302-303; v. 3, p. 14-15, 27-28, 62-63, MFA.

1849

14. **Becquerel**, Edmond. De l'image photographique du spectre solaire et des images colorées obtenues à la chambre obscure. (Annales de chimie et de physique. Paris, 1849, série 3, tome 25, p. 447-474.) PAA

German translations in *Dinglers polytechnisches Journal*, Jahrg. 1849, Bd. 114, p. 44-56, 118-122, 3-VA, and in *Journal für praktische Chemie*, Jahrg. 1849, Bd. 3, p. 154-175, PKA.

1850

15. **Colors produced by photography.** (Daguerreian journal, New York, Dec. 2, 1850, v. 1, p. 77.) MFA (Humphrey's)

Brief notes on the Becquerel process.

1851

16. **The Daguerreian journal:** devoted to the daguerreian and photogenic arts. Also, embracing the sciences, arts, and literature. S. D. Humphrey, editor and publisher. v. 1-3, no. 3 (Nov. 1, 1850-Dec. 15, 1851). New York, 1850-51. 8°. MFA (Humphrey)

Reprints papers by famous experimenters. See articles on L. L. Hill. For a commentary on Hill see *British journal of photography*, March 6, 1903, p. 184-185, MFA.

17. **Hill**, Levi L. The natural colors. (Photographic art journal, New York, Feb., 1851, v. 1, p. 116-118.) MFA

18. — Photographic researches and manipulations; including the substance of the author's Treatise on daguerreotype. New York: Holman & Gray, 1851. 15 p. 8°. * C p.v.1036

19. **The Hillotype.** (Photographic art journal, New York, Aug., 1851, v. 2, p. 76-81.) MFA

20. **Hunt**, Robert. Heliochrome. (Humphrey's journal, New York, Nov. 15, 1851, v. 3, p. 21-25.) MFA

From the *London art journal*.

Also printed in *Photographic art journal*, New York, Nov., 1851, v. 2, p. 291-294, MFA.

21. **New and valuable discovery.** Hillotypes. (Daguerreian journal, New York, 1850-51, v. 1, p. 209-211, 241-242, 273-274, 337; v. 2, p. 17-18, 20-23, 50-51, 113-114, 145-147, 305, 312-314, 337-338.) MFA

Titles of articles vary.

22. **Niepce de Saint Victor**, Claude Félix Abel. The heliochromotype of M. Niepce de St. Victor. (Photographic art journal, New York, July, 1851, v. 2, p. 32-37.) MFA

Translation from *La Lumière*.

23. **Snelling**, H. H. The Hillotype. (By H. H. Snelling.) (Photographic art journal, New York, April, 1851, v. 1, p. 333-340.) MFA

24. — On taking daguerreotypes in the natural colors. (By H. H. Snelling.) (Photographic art journal, New York, April, 1851, v. 1, p. 208-211.) MFA

Comments on Hill process.

1852

25. [La **Chromo-photographie.**] (Cosmos, Paris, 1852, tome 1, p. 372-373.) VA
Briefly describes experiments of Niepce de Saint Victor.

26. [La **Fixation des couleurs.**] (Cosmos, Paris, 1852, tome 2, p. 39-44, 89-91, 341-343.) VA

Editorial discussion of the claims of Niepce de Saint Victor, Becquerel, Campbell, and Hill.

27. **The Hillotype.** (Photographic art journal, New York, Nov., 1852, v. 4, p. 293-296.) MFA

28. [Hillotypes.] (Photographic art journal, New York, Feb., 1852, v. 3, p. 131-132.) MFA

Copy of defence published by the editor of the *Prattsville Advocate*.

29. **Hunt**, Robert. On the possibility of producing photographs in their natural colours. (In his: *Photography; a treatise on the chemical changes produced by the solar radiation...* New York, 1852. 12°. p. 219-221.) MFC

1852, continued.

30. Mercury, pseud. Communication on the Hillotype. (Photographic art journal, New York, Dec., 1852, v. 4, p. 377-380.)

MFA

31. Mr. Hill and his manifesto. (Photographic art journal, New York, Oct., 1852, v. 4, p. 249.)

MFA

32. Morse, Samuel Finley Breese. Photographic colors. (National Intelligencer, Washington, Oct. 8, 1852, v. 40, p. 2.) *A

"First: Mr. Hill has made the discovery of a process for fixing the colors of the camera image, and, although not so perfected in all its complicated parts as to be equally true in the color of the various objects, is sufficiently developed in its results to give assurance of its ultimate perfection... Fourth: Mr. Hill's process cannot be like M. Becquerel's, for it is stated that M. Becquerel 'was never able to fix the colors.'"

For discussion see *Scientific American*, Oct. 23, 1852, v. 8, p. 48, VA.

Also printed in *Humphrey's journal*, New York, Nov. 1, 1852, v. 4, p. 217-219, MFA.

33. A Practical Daguerre, pseud. The Hillotype; or, Daguerreotypes in the colors of nature. (Photographic art journal, New York, Jan., 1852, v. 3, p. 47-50.) MFA

1853

34. Campbell, James. Heliochromy. (*Humphrey's journal*, New York, 1853, v. 4, p. 362-364, 378-380; v. 5, p. 11-12, 41-44, 74-75, 96.)

MFA

Last two instalments have the title: *Hydrogen*.

35. Campbell, James. Heliochromy. (*Scientific American*, New York, Feb. 26, 1853, v. 8, p. 186.)

VA

Experiments with hydrogen and electricity to hasten the Becquerel and Niepce processes. For discussions see *Cosmos*, 1852-53, tome 2, p. 39-44, 89-91, 341-343, VA, and *Dinglers polytechnisches Journal*, Jahrg. 1853, Bd. 127, p. 143-145; 1853, Bd. 128, p. 49-51, 3-VA.

36. United States. — Patents Committee (Senate, 32:2). Report... on the memorial of Levi L. Hill, in reference to his alleged discovery in heliochrome, or sun-printing). March 3, 1853. [Washington, 1853.] 2 p. 8°. (U. S. 32. cong., 2. sess. Senate report 427; serial 671.)

*SBF

"It is believed that most of the philosophers, both in Europe and America, long since gave up as hopeless the search after this branch of science, which has now been discovered by one of our citizens in one of the wild valleys of the Catskill mountains, far removed from the schools of art."

Reprinted in *National intelligencer*, March 4, 1853, v. 4, p. 3. For discussions see *Scientific American*, 1853, v. 8, p. 224, 226, 380, VA.

1854

37. Becquerel, Edmond. Nouvelles recherches sur les impressions colorées produites lors de l'action chimique de la lu-

mière (troisième mémoire). (*Annales de chimie et de physique*, Paris, 1854, série 3, tome 42, p. 81-106.)

PAA

Author's abstract in *Académie des sciences, Comptes rendus*, Paris, 1854, tome 39, p. 63-67, *EO.

38. Hunt, Robert. Researches on light in its chemical relations; embracing a consideration of all the photographic processes. London: Longman, Brown, Green, & Longmans, 1854. xx, 396 p. 2. ed. illus. 8°.

MFC

An excellent resumé of early experiments on the effects of light upon chemicals. See especially chapter 13: On producing coloured pictures by the solar radiations.

1855

39. Henderson, Peter. On naturally-colored photographs. (*Humphrey's journal*, New York, May 15, 1855, v. 7, p. 23-25.)

MFA

40. Niepce de Saint Victor, Claude Félix Abel. Recherches photographiques. Photographie sur verre. Héliochromie... Avec une préface biographique et des notes par M. Ernest Lacan. Paris: Alexis Gaudin et frère, 1855. xxiv, 140 p., 1 port. 8°.

MFC

Contains the first three of his memoirs on heliochromes presented to the French Academy of Sciences.

41. Ross, William. On naturally-colored photographs. (*Humphrey's journal*, New York, May 15, 1855, v. 7, p. 25-28.)

MFA

A reply to letter by Peter Henderson.

42. — On the probability of producing actino-polychrome pictures. (*Humphrey's journal*, New York, March 1, 1855, v. 6, p. 345-349.)

MFA

1856

43. Hillotypes. (*Humphrey's journal*, New York, 1852, v. 4, p. 27, 219-224, 267-268, 285, 298-301, 361-362; 1855, v. 6, p. 290, 313-319, 321, 354; 1856, v. 8, p. 97.)

MFA

Various letters and opinions concerning this historic controversy.

44. Testud de Beauregard. Colored photographs obtained by simple exposure to light, and a method of printing positives without salts of silver. (*Humphrey's journal*, New York, 1855, v. 7, p. 141-144, 172-174; 1857, v. 9, p. 192.)

MFA

Translated from the *Bulletin* of the Société française de photographie.

Also printed in *Journal of photography*, London, 1856, v. 2, p. 195-197, MFA.

1857

45. Antisell, Thomas. Hailotype. (*Humphrey's journal*, New York, 1857, v. 8, p. 324-325, 339.)

MFA

1857, continued.

46. **Hallotypes.** (Humphrey's journal, New York, 1857, v. 8, p. 257-258, 289, 305, 321-325, 337-339; v. 9, p. 1-2.) **MFA**

47. **Maxwell, James Clerk.** Experiments on colour, as perceived by the eye, with remarks on colour-blindness. illus. (Royal Society of Edinburgh. Transactions, Edinburgh, 1857, v. 21, p. 275-298.) * **EC**

See especially p. 284 for an early realization of three-color work.

1859

48. **Barrett, Thomas.** Photographs in natural colours. (Photographic news, London, 1859, v. 2, p. 56, 95.) **MFA**

Gives formula for developer used.

49. **Garrod, Edward.** Colour in photography. (Photographic news, London, Aug. 19, 1859, v. 2, p. 287.) **MFA**

Secured colors on an ordinary plate.

50. **Photographs in natural colors.** (Humphrey's journal, New York, 1859, v. 11, p. 196-197, 286-287.) **MFA**

Bequerel process.

51. **Photographs in natural colours.** (Photographic news, London, March 18, 1859, v. 2, p. 17.) **MFA**

Fixing process claimed by a correspondent.

1860

52. **Clarke, S.** On the photogenic action of colour. (British journal of photography, Liverpool, Nov. 1, 1860, v. 7, p. 313-314.) **MFA**

53. **Dove, H. W.** Das Dichroscope. (Annalen der Physik und Chemie, Leipzig, 1860, Serie 4, Bd. 20, p. 265-278.) **PAA**

Studies in light interference.

54. **Gage, F. B.** Vegetable and mineral photography. (Humphrey's journal, New York, May 15, 1860, p. 22-23.) **MFA**

Prediction that photography in natural colors will be realized.

55. **Martel, Charles.** Colour in its relation to photography. illus. (Photographic news, London, 1860, v. 4, p. 49-50, 61-62, 73-74, 97-98, 109-110, 121-122, 133-134, 144-146, 157-158, 169-170, 181-182.) **MFA**

1862

56. **Maxwell, James Clerk.** On the theory of three primary colours. (Royal Institution of Great Britain. Proceedings, 1858-62, London, 1862, v. 3, p. 370-374.) * **EC**

"The first idea of three-colour work has always been hitherto ascribed to Collen, but in the 1895 *Jahrbuch* published recently by Dr. Eder, he points out that really the idea is due to Clerk Maxwell, who read a paper on May 17, 1861, before the Royal Institution, on the theory of the three primary colours." — *British journal of photography*, July 26, 1895, p. 475.

57. **Nieppe de Saint Victor, Claude Félix Abel.** On heliochromy. (Photographic news, London, Feb. 28, 1862, v. 6, p. 101-102.) **MFA**

For brief account of private exhibition see above, Sept. 12, 1862, v. 6, p. 433-434.

1863

58. **Plé, Charles.** Les images photographiques reproduisant les couleurs naturelles des objets représentés. (Académie des sciences. Comptes rendus, Paris, Sept. 28, 1863, tome 57, p. 584.) * **EO**

For comments see *Humphrey's journal*, New York, Dec. 1, 1863, v. 15, p. 230, *MFA*.

59. **Tillman, Samuel D.** Heliochromy. (Photographic news, London, June 5, 1863, v. 7, p. 270-271.) **MFA**

Points out obstacles.

1864

60. **Photographs in natural colours at last.** (Photographic news, London, July 1, 1864, v. 8, p. 319-320.) **MFA**

"Oil of pinks" suggested in a spiritual seance.

1865

61. **Calvert, F. Crace.** On some of the most important chemical discoveries made within the last two years. Lecture I, delivered on Tuesday, the 4th of April, 1865: On the discoveries in chemistry applied to arts and manufactures. (Society of Arts. Journal, London, Sept. 29, 1865, v. 13, p. 689-693.) **MFA**

Deals chiefly with the investigations of Nieppe de Saint Victor.

62. **Chevreul, E.** Héliochromie. Communication...relative à la note de M. Nieppe de Saint-Victor sur les noirs produits en photographie. (Académie des sciences. Comptes rendus, Paris, 1865, tome 61, p. 701-705.) * **EO**

63. **Collen, Henry.** Natural colour in photography. (British journal of photography, London, Oct. 27, 1865, v. 12, p. 547.) **MFA**

Suggests a three plate process.

64. — Photography in natural colours. illus. (British journal of photography, London, Nov. 24, 1865, v. 12, p. 601.) **MFA**

Further explains his suggestions published in the issue of Oct. 27, 1865.

65. **Fowler, R. J.** [Photographing in natural colours.] (British journal of photography, London, Nov. 10, 1865, v. 12, p. 575-576.) **MFA**

Refers to experiments of Nieppe de Saint Victor.

1865, continued.

66. Henderson, Peter. Photography in natural colours. (Photographic news, London, Dec. 29, 1865, v. 9, p. 617-618.)

MFA

Account of author's experiments.

67. Lacan, Ernest. Photography in colours. (Photographic news, London, Dec. 29, 1865, v. 9, p. 616-617.)

MFA

Poitevin process.

68. Photographs in natural colours. (British journal of photography, London, Nov. 10, 1865, v. 12, p. 573-574.)

MFA

Refers to investigations of Sir J. F. W. Herschel, Robert Hunt, Edmond Becquerel, and Niepce de Saint Victor.

69. Poitevin, L. A. Action simultanée de la lumière et des sels oxygénés sur le sous-chlorure d'argent violet; application à l'obtention par la photographie des couleurs naturelles sur papier. (Académie des sciences. Comptes rendus, Paris, Dec. 18, 1865, tome 61, p. 1111-1112.)

*EO

70. Reynolds, Emerson J. Heliochromy. (British journal of photography, London, Dec. 8, 1865, v. 12, p. 616.)

MFA

Reference to the researches of Dr. Reade and Walter Crum.

71. Strutt, J. W. Photography in natural colours. (Photographic news, London, Nov. 24, 1865, v. 9, p. 564.)

MFA

Obstacles to success stated.

72. Taylor, J. Trail. Historical notes on photography in natural colours. (Photographic news, London, Dec. 22, 1865, v. 9, p. 604-606.)

MFA

1866

73. Herschel, Sir John Frederick William. Photography in natural colours, etc. (Photographic news, London, Jan. 5, 1866, v. 10, p. 5-6.)

MFA

74. Niepce de Saint Victor, Claude Félix Abel. Mémoires sur l'héliochromie. (Académie des sciences. Comptes rendus, Paris, 1852-66.)

*EO

Mémoire 1: June 2, 1851, tome 32, p. 834-841. Mémoire 2: Feb. 9, 1852, tome 34, p. 215-218. Mémoire 3: Nov. 8, 1852, tome 35, p. 694-697. Mémoire 4: Feb. 10, 1862, tome 54, p. 281-284. Mémoire 5: Jan. 12, 1865, tome 56, p. 90-93. Mémoire 6: Oct. 1, 1866, tome 63, p. 567-569.

Mémoire 1 has the title: Extrait d'un mémoire sur une relation existant entre la couleur de certaines flammes colorées, avec les images héliographiques colorées par la lumière.

An English translation of memoir 3 in *Scientific American*, Feb. 19, 1853, v. 8, p. 179, VA; of memoir 5, in *Photographic news*, London, Jan. 30, 1863, v. 7, p. 51-52, MFA; of memoir 6, in *Photographic news*, London, Nov. 13, 1866, v. 10, p. 557-558, MFA.

Translation of memoir 3 also in *Photographic art journal*, New York, Feb., 1853, v. 5, p. 110-112, MFA.

75. — [Les recherches photographiques.] (Cosmos, Paris, Oct. 3, 1866, série 2, tome 4, p. 389-391.)

VA

English translation in *Photographic news*, London, Oct. 19, 1866, v. 10, p. 497-498, MFA, under title: On obtaining black tones in heliochromic processes.

76. Photographs in natural colours. (Photographic news, London, Feb. 16, 1866, v. 10, p. 73-74.)

MFA

Poitevin's process.

Also printed in *Humphrey's journal*, New York, March 15, 1866, v. 17, p. 345-347, MFA.

77. Photography in colours. (Photographic news, London, 1865, v. 9, p. 48, 84; 1866, v. 10, p. 555, 578.)

MFA

M. Chamhay of Mauritius claims to have been successful in fixing colors.

78. Photography in natural colors. (Humphrey's journal, New York, Nov. 1, 1866, v. 18, p. 201.)

MFA

Colors on ordinary plate observed after an eclipse.

1867

79. Becquerel, Edmond. La lumière, ses causes et ses effets. Paris: Didot frères, fils et cie, 1867-68. 2 v. 8°.

PEB

See v. 2, p. 209-234: Reproduction des couleurs par l'action de la lumière.

80. Paage, A. Photographs in natural colours. (Photographic news, London, Aug. 16, 1867, v. 11, p. 398.)

MFA

Results of author's experiments.

81. Van der Weyde, P. H. Coloured daguerreotypes by the reversed action of light. (Photographic news, London, July 19, 1867, v. 11, p. 345.)

MFA

1869

82. Cros, Charles. M. Cros's solution of the problem of photography in colours. (Photographic news, London, Oct. 8, 1869, v. 13, p. 483-485.)

MFA

83. Ducos du Hauron, Louis. A new heliochromic process. (Photographic news, London, July 2, 1869, v. 13, p. 319-320.)

MFA

Paper read before the Société française de photographie.

1870

84. Grune, Wilhelm. Experiences of an experimentalist. (Photographic news, London, Jan. 14, 1870, v. 14, p. 16.)

MFA

Collodion plates developed in camera.

85. Thomas, R. W. Is it possible to obtain photographs in colours? (Photographic news, London, Dec. 23, 1870, v. 14, p. 606-607.)

MFA

The author thinks not.

1871

86. **Schultz-Sellack, Carl.** Photography in colours. (Photographic news, London, June 23, 1871, v. 15, p. 291.) **MFA**

Color phenomena with silver salts.

87. — Ueber die Lichtempfindlichkeit der Silberhaloidsalze und den Zusammenhang von optischer und chemischer Lichtabsorption. (Annalen der Physik und Chemie, Leipzig, 1871, Bd. 143, p. 161-171.) **PAA**

1872

88. **M. Niepce de St. Victor's** photographs in colour. (Photographic news, London, Feb. 16, 1872, v. 16, p. 84.) **MFA**

Brief account of pictures exhibited in London.

1873

89. **Fowler, J. Bennett.** Polychromatic printing. (British journal of photography, London, Oct. 10, 1873, v. 20, p. 488-489.) **MFA**

Reference to Vidal and Edwards processes.

90. **Sutton, Thomas.** Photo-polychromy. (British journal of photography, London, Sept. 26, 1873, v. 20, p. 464.) **MFA**

Brief reference to the Vidal process.

91. **Vogel, Hermann Wilhelm.** Ueber die Lichtempfindlichkeit des Bromsilbers für die sogenannten chemisch unwirksamen Farben. (Deutsche chemische Gesellschaft. Berichte, Berlin, 1873, Jahrg. 6, p. 1302-1306.) **PKA**

92. **W., A. J.** Polychrome photography. (British journal of photography, London, 1873, v. 20, p. 385, 521.) **MFA**

Comments on the Vidal and Laroche processes.

1874

93. **Bow, R. H.** Effects of sunlight on the colours of pigments. (Photographic news, London, 1874, v. 18, p. 183-184, 195-196.) **MFA**

94. **Saint Florent, E. de.** Photographs in natural colours. (Photographic news, London, 1873, v. 17, p. 505-506; 1874, v. 18, p. 125, 175-176, 182-183.) **MFA**

Chemical formulas for a direct process. From *Bulletin of the Société française de photographie.*

95. **Spiller, John.** Remarks on the asserted influence of colouring matters on the reduction of silver salts. (Photographic news, London, May 29, 1874, v. 18, p. 253-254.) **MFA**

96. **Vogel, Hermann Wilhelm.** On the action of colours upon bromide on silver. (Photographic news, London, Sept. 18, 1874, v. 18, p. 451-452.) **MFA**

97. — Ueber die chemische Wirkung des Sonnenspectrums auf Silberhaloidsalze. (Annalen der Physik und Chemie, Leipzig, 1874, Bd. 153, p. 218-250.) **PAA**

1875

98. **Donisthorpe, Wordsworth.** Producing colour photographs. illus. (British journal of photography, London, Oct. 1, 1875, v. 22, p. 479.) **MFA**

A suggested three-color prism process.

1876

99. **Abney, Sir William de Wiveleslie.** Dr. Vogel's colour theory. (Photographic news, London, 1876, v. 20, p. 307-308, 323.) **MFA**

100. — Photography of the red and ultra-red end of the spectrum. (Nature, London, March 30, 1876, v. 13, p. 432.) **OA**

101. **Cros, Charles.** [La photographie des couleurs.] (Académie des sciences. Comptes rendus, Paris, 1876, tome 82, p. 1514-1515; 1876, tome 83, p. 291.) ***EO**

For criticisms of Edmond Becquerel see above, tome 83, p. 11, 291-292.

102. **Dumoulin, Eugène.** Les couleurs produites en photographie. Historique, théorie et pratique. Paris: Gauthier-Villars, 1876. 63 p., 1 table. 12°. (Actualités scientifiques.) **MFF p.v.10**

103. **Spiller, John.** Photography in colours. (Photographic news, London, July 21, 1876, v. 20, p. 344.) **MFA**

Protests against using the term color photography to cover color block printing.

104. **Waterhouse, James.** On some facts in support of Dr. Vogel's colour theory. (Photographic news, London, June 30, 1876, v. 20, p. 302-304.) **MFA**

1877

105. **Albert, Josef.** [Photography in natural colors.] (Nature, London, Nov. 29, 1877, v. 17, p. 92.) **OA**

Abstract only.

106. **Vidal, Léon.** Photochromy. (British journal of photography, London, Jan. 5, 1877, v. 24, p. 6.) **MFA**

1878

107. **Abney, Sir William de Wiveleslie.** The acceleration of oxidation caused by the least refrangible end of the spectrum. (Royal Society of London. Proceedings, London, 1878, v. 27, p. 291-292.) ***EC**

1878, continued.

108. — Explanation of the action of dyes on films. (Photographic news, London, July 5, 1878, v. 22, p. 319-320.) MFA

109. Husnik, Jaroslav. Photo-printing in natural colours. (Photographic news, London, 1878, v. 22, p. 123-125, 148-149.) MFA

1879

110. Abney, Sir William de Wiveleslie. On the production of coloured spectra by light. (Royal Society of London. Proceedings, London, 1879, v. 29, p. 190.) *EC

111. Cros, Charles. Les couleurs, le chromomètre et la photographie des couleurs. (Société française de physique. Séances, Paris, année 1879, p. 35-39.) PAA

112. — Sur la classification des couleurs et sur les moyens de reproduire les apparences colorées par trois clichés photographiques spéciaux. (Académie des sciences. Comptes rendus, Paris, 1879, tome 88, p. 119-122.) *EO

113. Photography in natural colours. (Photographic news, London, May 16, 1879, v. 23, p. 229.) MFA

Cros's experiments.

114. Photography in natural colours. (Photographic news, London, Aug. 29, 1879, v. 23, p. 414-415.) MFA

Comments on work of Abney and of Herr Albert.

115. Versnaeyen, M. K. Photography in colours. (Photographic news, London, March 21, 1879, v. 23, p. 140.) MFA

Bonnaud's process.

116. — Reproduction of colour by photography. (Photographic news, London, May 30, 1879, v. 23, p. 254-255.) MFA

Work of Charles Cros and Ducos du Hauron.

117. Vidal, Léon. Lecture by M. Cros on colour in photography. (Photographic news, London, Aug. 1, 1879, v. 23, p. 367-368.) MFA

118. — The real state of the question of the reproduction of natural colours by means of photography. (Photographic news, London, June 6, 1879, v. 23, p. 271-272.) MFA

1880

119. Photographs in natural colours. (Photographic news, London, Feb. 27, 1880, v. 23, p. 97.) MFA

French "discovery" proved not to be genuine.

120. Photography in natural colours. (Photographic news, London, Dec. 3, 1880, v. 23, p. 577.) MFA

Process of Ducos du Hauron and of Herr Albert.

1881

121. Abney, Sir William de Wiveleslie. On the effect of the spectrum on the haloid salts of silver, and on mixtures of the same. (Royal Society of London. Proceedings, London, 1881, v. 33, p. 164-186.) *EC

122. — On the spectrum impressed on silver chloride and its bearing on silver printing in photography. (Chemical news, London, Oct. 14, 1881, v. 44, p. 184-185.) PKA

123. Cros, Charles, and J. CARPENTIER. Photographie des couleurs, par teinture de couches d'albumine coagulée. (Académie des sciences. Comptes rendus, Paris, 1881, tome 92, p. 1504-1505.) *EO

1883

124. Sawyer, J. R. Photography in relation to colour. (Photographic news, London, June 1, 1883, v. 27, p. 349-351.) MFA

125. Swinton, A. A. Campbell. The past, present, and future of photography in natural colours. (British journal of photography, London, Dec., 1883, v. 30, p. 776, 791-792.) MFA

Also printed in *Photographic news*, London, 1883, v. 27, p. 805-806, 823-824, MFA; *Anthony's photographic bulletin*, New York, 1885, v. 16, p. 194-197, 226-229, MFA.

1884

126. Abney, Sir William de Wiveleslie. Vogel's method of colour photography. (Photographic news, London, Aug. 8, 1884, v. 28, p. 500-501.) MFA

127. Berkeley, Herbert B. A chapter in the history of coloured images. (British journal of photography, London, Aug. 29, 1884, p. 551-552.) MFA

Controversial letter to Mr. W. E. Debenham in which the author states that he produced various colours on bromide plates as early as 1877.

128. Captain Abney, F.R.S. port. (British journal of photography, London, Feb. 15, 1884, v. 31, p. 100.) MFA

129. Eder, Josef Maria. Über das Verhalten der Haloidverbindungen des Silbers gegen das Sonnenspectrum und die Steigerung der Empfindlichkeit derselben gegen einzelne Theile des Spectrums durch Farbstoffe und andere Substanzen. illus. (Kaiserliche Akademie der Wissenschaften. Sitzungsberichte, Math.—naturwissenschaftliche Classe, Wien, 1885, Jahrg. 1884, Bd. 90, Abt. 2, p. 1097-1143.) *EF

English translation in *Photographic news*, London, 1885, v. 29, p. 145-146, 162-165, 227-228, 355-357, 420-421, 452-453, MFA.

1884, continued.

130. The Eosine compound of silver, and isochromatic plates. (Photographic news, London, July 4, 1884, v. 28, p. 416-418.) MFA

131. Léon Warnerke. port. (British journal of photography, London, Jan. 18, 1884, v. 31, p. 39.) MFA

132. Pim, Greenwood. [Color photography.] (Nature, London, March 31, 1884, v. 29, p. 470.) OA

Abstract of paper read before the Royal Society.

133. Vogel, Hermann Wilhelm. Investigations as to the action of eosine on photographic films. (Photographic news, London, May 23, 1884, v. 28, p. 325-326.) MFA

134. — Vogel's method of colour photography. (Photographic news, London, Aug. 1, 1884, v. 28, p. 493-494.) MFA

135. Woods, C. Ray. The spectroscope and its relation to photography. x. Photography in natural colours. (Photographic news, London, June 27, 1884, v. 28, p. 405-406.) MFA

Historical review.

1885

136. Color photography. (Anthony's photographic bulletin, New York, 1885, v. 16, p. 97-98.) MFA

Reviews work of Becquerel and Niepce de Saint Victor.

137. Mr. Carey Lea. port. (Anthony's photographic bulletin, New York, 1885, v. 16, p. 513-514.) MFA

138. Rood, Ogden N. Photography in color. (Anthony's photographic bulletin, New York, 1885, v. 16, p. 353-355.) MFA

Tells of colors produced by the collodion process.

139. Stokes, G. G. On a remarkable phenomenon of crystalline reflection. (Royal Society of London. Proceedings, London, 1885, v. 38, p. 174-185.) * EC

140. Vogel, Hermann Wilhelm. A new heliochromic principle. (Photographic news, London, July 10, 1885, v. 29, p. 434.) MFA

Suggestions for improving the Ducos du Hauron process.

Also printed in *Anthony's photographic bulletin*, New York, 1885, v. 16, p. 547-548, MFA.

141. — Über den Zusammenhang zwischen Absorption der Farbstoffe und deren sensibilisirender Wirkung auf Bromsilber. (Annalen der Physik und Chemie, Leipzig, 1885, N. F. Bd. 26, p. 527-530.) PAA

1886

142. Dawson, George. Photography in oil colours. (British journal of photography, London, Nov. 12, 1886, v. 33, p. 714.) MFA

Describes Pouncy's process.

143. Eder, Josef Maria. Über die Wirkung verschiedener Farbstoffe auf das Verhalten des Bromsilbers gegen das Sonnenspectrum und spektroskopische Messungen über den Zusammenhang der Absorption und photographischer Sensibilisirung. illus. (Kaiserliche Akademie der Wissenschaften. Sitzungsberichte, Math.-naturwissenschaftliche Classe, Wien, 1886, Jahrg. 1885, Bd. 92, Abt. 2, p. 1346-1372.) * EF

144. Herschel, A. S. On processes of photography in natural colours. (British journal of photography, London, April 30, 1886, v. 33, p. 271-273.) MFA

Traces early history with an account of the author's experiments on the effect of screens upon sensitive plates.

Also printed in *Photographic news*, London, 1886, v. 30, p. 283-285, 326-327, MFA.

145. Ives, Frederic Eugene. Color-sensitive photographic plates. illus. (Franklin Institute. Journal, Philadelphia, July, 1886, v. 122, p. 44-46.) VA

146. — Correct color-tone photography with ordinary gelatine bromide plates. (Franklin Institute. Journal, Philadelphia, Aug., 1886, v. 122, p. 123-124.) VA

147. Vogel, Hermann Wilhelm. Ueber einige Farbenwahrnehmungen und über Photographie in natürlichen Farben. (Annalen der Physik und Chemie, Leipzig, 1886, N. F. Bd. 28, p. 130-135.) PAA

Brief abstract in *Nature*, London, Aug. 12, 1886, v. 34, p. 354, OA.

"Vogel proposed to sensitize plates specially for each spectrum region...and instead of projecting the pictures with colored lights he proposed to make as many pigment prints as negatives, each in a color complementary to the light which acted to produce the respective negative, and to superpose them as in the Collen method."—F. E. Ives.

1887

148. Debenham, W. E. Pretended photography in natural colours. (Photographic news, London, July 15, 1887, v. 31, p. 437-438.) MFA

Cellerier process.

Also printed in *Anthony's photographic bulletin*, New York, 1887, v. 18, p. 493-495, MFA.

149. Harrison, W. H. Colored chloride of silver. (Anthony's photographic bulletin, New York, 1887, v. 18, p. 723-725.) MFA

150. Harrison, William Jerome. History of photography in colors. (In his: A history of photography. New York, 1887. 8°. p. 117-125.) MFC

1887, continued.

151. Lang, William, jr. Carey Lea's photochloride of silver. (Anthony's photographic journal, New York, 1887, v. 18, p. 495-497.) **MFA**

152. The Latest thing in photography in "natural colours." (British journal of photography, London, June 10, 1887, v. 34, p. 353-354.) **MFA**

Editorial claims that the Cellier process of backing a transparency with colored paper was originated in a large measure by Aston in 1866.

153. Lea, Mathew Carey. Combinations of silver chloride with other metallic chlorides. (American journal of science, New Haven, 1887, series 3, v. 34, p. 384-387.) **OA**

Abstracted in *Nature*, London, Nov. 24, 1887, v. 37, p. 88, *OA*.

154. — On red and purple chloride, bromide and iodide of silver; on heliochromy and on the latent photographic image. (American journal of science, New Haven, 1887, series 3, v. 33, p. 349-364.) **OA**

Abstracted in *Nature*, London, May 19, 1887, v. 36, p. 64, *OA*.

Also printed in *British journal of photography*, London, Feb. 1, 1901, v. 48, supplement, p. 9-13, *MFA*; *Photographic news*, London, June 3, 1887, v. 31, p. 337-342, *MFA*.

155. Pearce, Charles E. Photography in unnatural colours. A chapter from the history of the past. (Photographic news, London, June 10, 1887, v. 31, p. 355-356.) **MFA**

Bitter attack on L. L. Hill.

156. Professed photography in natural colours. (Photographic news, London, 1887, v. 31, p. 343, 353-354, 366, 381-382, 437-438.) **MFA**

Discussions as to the merits of the Cellier process.

157. Staats, Georg. Zur Kenntniss der photochromatischen Eigenschaften des Chlorsilbers. (Deutsche chemische Gesellschaft. Berichte, 1887, Jahrg. 20, p. 2322-2323.) **PKA**

Abstracted in *British journal of photography*, London, Dec. 9, 1887, *MFA*; Chemical Society. *Journal*, London, 1887, v. 52, Abstracts, p. 1071, *PKA*.

"When a well polished plate of silver is dipped into a five per cent. solution of iron chloride it acquires a slate colour. The plate is taken out of the solution after ten seconds, dried quickly (without heating), and covered with red, emerald, orange, and cornflower-blue glass. In sunshine the colours appear on the plate after a few minutes."

1888

158. Abney, Sir William de Wiveleslie. Light and colour. (Society of Arts. Journal, London, 1888, v. 37, p. 80-83, 90-93, 99-106, 113-123.) **VA**

Also printed in *Photographic news*, London, 1889, v. 33, p. 9-10, 20-22, 69-71, 276-280, 348-350, 412-413, 429-430, *MFA*.

159. Balfour, Graham. The coming photography in color — for good or evil. (International annual of Anthony's photographic bulletin, New York, 1888, v. 1, p. 46-50.) **MFA**

Relation of color photography to art.

160. Harding - Warner, W. Photography in colors. (International annual of Anthony's photographic bulletin, New York, 1888, v. 1, p. 592-595.) **MFA**

Experiments of the author and Samuel Powel about 1860.

161. Ives, Frederic Eugene. Chlorophyl and gelatine-bromide plates. illus. (Franklin Institute. Journal, Philadelphia, June, 1888, v. 125, p. 479-482.) **VA**

162. Rayleigh (3d baron), John William Strutt. On the remarkable phenomenon of crystalline reflexion described by Prof. Stokes. (London, Edinburgh, and Dublin philosophical magazine and journal of science, London, Sept., 1888, series 5, v. 26, p. 256-265.) **OA**

1889

163. Ives, Frederic Eugene. Captain Abney on heliochromy. (Franklin Institute. Journal, Philadelphia, Nov., 1889, v. 128, p. 339-341.) **VA**

Also printed in *British journal of photography*, London, Nov. 8, 1889, v. 36, p. 731-732, *MFA*.

164. — Heliochromy. (British journal of photography, London, Dec. 21, 1888, v. 35, p. 806-807.) **MFA**

For corrections see *Photographic news*, London, Dec. 21, 1888, v. 32, p. 802, *MFA*.

Also printed in *Photographic news*, London, Dec. 14, 1888, v. 32, p. 789-790, *MFA*, and in Franklin Institute, *Journal*, Philadelphia, 1889, v. 97, p. 54-58, 140, *VA*.

165. Obernetter, E. Some considerations of photography with color plates. illus. (International annual of Anthony's photographic bulletin, New York, 1889, v. 2, p. 175-177.) **MFA**

Experiments with coal-tar colors.

166. Rayleigh (3d baron), John William Strutt. On achromatic interference-bands. (London, Edinburgh, & Dublin philosophical magazine and journal of science, London, 1889, series 5, v. 28, p. 77-91, 189-206.) **OA**

1890

167. Bedding, Thomas. Coloured au naturel. (British journal of photography, London, Jan. 3, 1890, v. 37, p. 4.) **MFA**

"The paths of science are traversed by innumerable wild geese, whose pursuers appear incapable of perceiving the hopelessness of their case. The photograph in natural colours must, unfortunately, be classed with these evasive fowl."

1890, continued.

168. Eder, Josef Maria. Photography in natural colours as effected by Herr Franz Veress, of Klausenburg. (Photographic news, London, May 9, 1890, v. 34, p. 360.)

MFA

169. Gaedicke, J. Photography in colors. (Anthony's photographic bulletin, New York, 1890, v. 21, p. 357-358.)

MFA

His experiments with Poitevin's process.

170. ——— Photography in natural colours. (Photographic news, London, Aug. 8, 1890, v. 34, p. 618.)

MFA

A review of early methods; also reference to Veress process.

Also printed in *Anthony's photographic bulletin*, New York, 1890, v. 21, p. 328-330, MFA.

171. Gunther, Hermann E. Photography in Germany. (Photographic news, London, 1890, v. 34, p. 357, 610-611.)

MFA

Experiments of Veress and Gaedicke.

172. Ives, Frederic Eugene. Photography in natural colours on silver plates. (Photographic news, London, Feb. 21, 1890, v. 34, p. 153.)

MFA

Differences between his process and those of Cros and Ducos du Hauron.

173. Photography in natural colours. (Photographic news, London, 1890, v. 34, p. 217, 276-277, 448-450.)

MFA

Newspaper correspondence regarding the Veress process.

174. Vogel, Hermann Wilhelm. Photographien in natürlichen Farben. (Physikalische Gesellschaft zu Berlin. Verhandlungen, Berlin, June 13, 1890, Jahrg. 9, p. 73-78.)

PAA

175. Wiener, Otto Heinrich. Stehende Lichtwellen und die Schwingungsrichtung polarisirten Lichtes. illus. (Annalen der Physik und Chemie, Leipzig, 1890, N. F. Bd. 40, p. 203-243.)

PAA

Investigations of the retention of colors by a sensitized plate.

1891

176. Becquerel, Edmond. Observations... sur la communication de M. Lippmann au sujet de la reproduction photographique des couleurs. (Académie des sciences. Comptes rendus, Paris, Feb. 2, 1891, tome 112, p. 274-275.)

*EO

177. ——— [Sur la reproduction photographique des couleurs.] (Académie des sciences. Comptes rendus, Paris, Feb. 9, 1891, tome 112, p. 331.)

*EO

Shows several reproductions taken forty years before.

178. Berget, Alphonse. La photographie des couleurs. (Revue scientifique, Paris, 1891, tome 48, p. 33-40.)

OA

Historical. Lippmann process.

179. ——— Photographie des couleurs par la méthode interférentielle de M. Lippmann. Paris: Gauthier-Villars et fils, 1891. vi, 58 p. 12°. (Bibliothèque photographique.)

MFF p.v.5

Bound with: G. Balagny, L'hydroquinone, Paris, 1890. 12°.

180. Cornu, A. Sur une expérience récente, déterminant la direction de la vibration dans la lumière polarisée. (Académie des sciences. Comptes rendus, Paris, Jan. 26, 1891, tome 112, p. 186-189.)

*EO

181-182. ——— Sur les objections faites à l'interprétation des expériences de M. Wiener. (Académie des sciences. Comptes rendus, Paris, Feb. 16, 1891, tome 112, p. 365-370.)

*EO

183. Gothard, Eugen von. Ueber die neueren Fortschritte der Heliochromie. (Jahrbuch für Photographie und Reproduktionstechnik für 1891, Halle a. S., 1891, Jahrg. 5, p. 46-50.)

MFA

Veress process.

184. Green, A. G., and others. Photography in aniline colours. By A. G. Green, C. F. Cross and E. J. Bevan. (Society of Arts. Journal, London, Jan. 23, 1891, v. 39, p. 150-155.)

VA

185. Harding - Warner, W. Pictures in natural colors. (International annual of Anthony's photographic bulletin, New York, 1891, v. 4, p. 205-207.)

MFA

Describes Wothly type process of 1863-64.

186. Hatzfeld, Albert. La reproduction photographique des couleurs. (Revue scientifique, Paris, May 16, 1891, tome 47, p. 609-613.)

OA

Historical. Lippmann process.

187. Ives, Frederic Eugene. Photography in the colors of nature. illus. (Franklin Institute. Journal, Jan., 1891, v. 131, p. 1-21.)

VA

Also printed in *British journal of photography*, London, 1891, v. 38, p. 56-57, 103-104, 118-120, 137-138, MFA; and *Anthony's photographic bulletin*, New York, 1891, v. 22, p. 115-118, 146-148, 207-210, 239-242, MFA.

188. ——— Photography in the colors of nature. illus. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 745-747.)

MFA

Argument with H. W. Vogel as to priority of invention.

189. ——— Professor Lippmann's heliochromy. (Franklin Institute. Journal, Philadelphia, Aug., 1891, v. 132, p. 141-144.)

VA

190. Labatut. L'absorption et la photographie des couleurs. (Académie des sciences. Comptes rendus, Paris, July 20, 1891, tome 113, p. 126-129.)

*EO

1891, continued.

191. Lippmann, Gabriel. La photographie des couleurs. (Académie des sciences. Comptes rendus, Paris, Feb. 2, 1891, tome 112, p. 274-275.) *EO
Also printed in *Revue scientifique*, Paris, Feb. 7, 1891, tome 47, p. 161-162, OA.
For an English translation see *British journal of photography*, Feb. 20, 1891, v. 38, p. 121, MFA. This also includes account of interview with M. Lippmann by the representative of the *London Daily News*.
192. — Photographie des couleurs du spectre solaire. (L'Astronomie, Paris, 1891, année 10, p. 87-88.) OMA
193. Mascart, Éleuthère Élie Nicolas. Traité d'optique. Paris: Gauthier-Villars et fils, 1889-93. 3 v. and atlas. 8° and 4°.
PEB and ††† PEB
See tome 2, p. 577-578 for discussion of color effects on photographic plate.
194. The New discoveries in heliography. illus. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 216-219.) MFA
Lippmann process.
195. Ogonowski, E., conte. La photochromie. Tirage d'épreuves photographiques en couleurs. Paris: Gauthier-Villars et fils, 1891. 2 p.l., 30 p., 1 table. 12°. (Bibliothèque photographique.) MFF p.v.20
Bound with: C. O'Madden, Le photographe en voyage. Paris, 1890. 12°.
196. Photographing in colours. (British journal of photography, London, Feb. 27, 1891, v. 38, p. 135.) MFA
Comments by *The Lancet* on the Lippmann process.
197. Photography in colours. (British journal of photography, London, Feb. 20, 1891, v. 38, p. 113.) MFA
Description of and comments on Lippmann process.
198. Scott, Albert W. Natural colors on the lantern screen. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 118-119.) MFA
Verak process.
199. Some of the difficulties of colour photography. (British journal of photography, London, 1891, v. 38, p. 273, 306-307.) MFA
200. Thwing, Charles B. Color photography by Lippmann's process. (American journal of science, New Haven, Conn., 1891, series 3, v. 42, p. 388-390.) OA
Modifications of the process.
201. Vidal, Léon. Photographic methods of obtaining polychromatic impressions. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 698-700, 725-728.) MFA
Describes well-known methods.
202. Vogel, Hermann Wilhelm. Dr. Lippmann's photographs in natural colors. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 166-167.) MFA
203. — Photography in natural colors. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 680-683.) MFA
Argument with F. E. Ives as to priority.
204. Winstanley, D. Heliography. (Anthony's photographic bulletin, New York, 1891, v. 22, p. 85-87.) MFA
Explains his method of printing with silver salt.
205. Zenker, Wilhelm. Die Entstehung der Farben in der Photochemie. (Jahrbuch für Photographie und Reproduktionstechnik für 1891, Halle a. S., 1891, Jahrg. 5, p. 294-303.) MFA

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206. Boothroyd, Jabez. Backing of plates and color sensitive films. (International annual of Anthony's photographic bulletin, New York, 1892, v. 5, p. 23.) MFA
207. Colour in the camera. (British journal of photography, London, May 6, 1892, v. 39, p. 295.) MFA
Account of lecture by Frederic E. Ives at Association Hall, Philadelphia, under the auspices of the Photographic Society of Philadelphia.
208. Colour photography "an established fact." (British journal of photography, London, Jan. 8, 1892, v. 39, p. 26-27.) MFA
Copy of article in *Philadelphia Public Ledger* regarding an illustrated lecture by Frederic E. Ives at the Franklin Institute.
209. Ives, Frederic Eugene. The heliograph. (Franklin Institute. Journal, Philadelphia, Jan., 1893, v. 135, p. 35-41.) VA
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210. Krone, Hermann. Ueber Farbenphotogramme von Spectren. (Annalen der Physik und Chemie, Leipzig, 1892, N. F. Bd. 46, p. 426-430.) PAA
Lippmann process.
211. Lippmann, Gabriel. La photographie des couleurs. illus. (Conservatoire des arts et métiers. Annales, Paris, 1892, série 2, tome 4, p. 161-172.) VA
212. — La photographie des couleurs. (Revue scientifique, Paris, 1892, tome 50, p. 33-35.) OA
213. — La photographie des couleurs, son principe, ses progrès les plus récents. illus. (Revue générale des sciences, Paris, 1892, tome 3, p. 41-45.) OA
214. — Photographies colorées du spectre, sur albumine et sur gélatine bichromatées. (Académie des sciences. Comptes rendus, Paris, Oct. 24, 1892, tome 115, p. 575.) *EO
215. — Sur la photographie des couleurs. (Académie des sciences. Comptes rendus, Paris, April 25, 1892, tome 114, p. 961-962.) *EO

1892, *continued*.

216. Meslin, G. Sur la photographie des couleurs. (*Annales de chimie et de physique*, Paris, 1892, série 6, tome 27, p. 369-391.) PAA

On the theory of the Lippmann process.

217. Photography in natural colours up to date. (*British journal of photography*, London, Feb. 19, 1892, v. 39, p. 114-115.) MFA

Describes the process of Dr. Raphael Kopp.

218. Stolze, F. Color effect in the picture and photography. (*Anthony's photographic bulletin*, New York, 1892, v. 23, p. 680-683, 719-722.) MFA

General principles of color.

219. Vidal, Léon. La photogravure en relief et en creux. La photochromographie et leurs applications à l'industrie du livre. (*Conservatoire des arts et métiers. Annales*, Paris, 1892, série 2, tome 4, p. 192-211.) VA

1893

220. Colour photography, an interview with Mr. Frederic Ives. (*British journal of photography*, London, Aug. 4, 1893, v. 40, supplement, p. 85-87.) MFA

221. Ives, Frederic Eugene. Composite heliochromy. illus. (*Society of Arts. Journal*, London, May 19, 1893, v. 41, p. 663-672.) VA

With discussion.

Reprinted in *British journal of photography*, 1893, v. 40, p. 328-330, 344-347, MFA.

222. — The Lumière—Lippmann colour photography. (*British journal of photography*, London, Dec. 15, 1893, v. 40, p. 798-799.) MFA

223. MM. Lumière's experiments in "colour photography." (*British journal of photography*, London, May 26, 1893, v. 40, p. 325.) MFA

Gives formulae for emulsion and developer.

224. Mareschal, G. Les progrès de la photographie des couleurs. (*Le Génie civil*, Paris, June 24, 1893, tome 23, p. 125-126.) VA

Lumière formulas for working Lippmann process.

225. Warnerke, Léon. Photographs in natural colours produced by the improved process of L. Lumière, after Professor Lippmann's interference method. (*British journal of photography*, London, Nov. 10, 1893, v. 40, p. 718.) MFA

For editorial comments see Oct. 20, 1893, v. 40, p. 668.

1894

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227. — Photochromographie. illus. (In his: *Les nouveautés photographiques 1894*. Paris, 1894. 8°. p. 247-258.) MFA

228. Dunmore, Edward. Colour photography. (*British journal of photography*, London, Aug. 10, 1894, v. 41, p. 504.) MFA

Suggests "suitably coloured films of gelatine, produced by the aforesaid triple negatives, superposed on each other, and the result examined as a transparency."

229. Fourtier, H. Photography in colors. (*International annual of Anthony's photographic bulletin*, New York, 1894, v. 6, p. 215-216.) MFA

230. Gitchell, Corwin. Photography in colors. (*Anthony's photographic bulletin*, New York, 1894, v. 25, p. 221-223.) MFA

Ives' process.

231. Hitchcock, Romyn. Photography in colors. (*Anthony's photographic bulletin*, New York, 1894, v. 25, p. 50-51.) MFA

Lippmann process.

232. Hopkins. Photography in colors — the method as practiced by R. D. Gray. illus. (*Anthony's photographic bulletin*, New York, 1894, v. 25, p. 40-43.) MFA

233. Ives, Frederic Eugene. Color screens for composite heliochromy. illus. (*American annual of photography for 1895*, New York, 1894, p. 241-244a.) MFA

234. — Composite heliochromy. illus. (*Technology quarterly*, Boston, 1894, v. 7, p. 317-323.) VDA

Abstract in *Journal of the Society of Chemical Industry*, London, Nov. 30, 1895, v. 14, p. 987-988, VOA.

235. — The Lumière-Lippmann color photography. (*Franklin Institute. Journal*, Philadelphia, Jan., 1894, v. 137, p. 16-21.) VA

236. — The Lumière-Valenta-Lippmann colour photographs. (*British journal of photography*, London, Jan. 5, 1894, v. 41, p. 5-7.) MFA

Paper read before the Photographic Society of Great Britain.

237. — Zusammengesetzte Heliochromie. illus. (*Jahrbuch für Photographie und Reproduktionstechnik für 1894*, Halle a. S., 1894, Jahrg. 8, p. 215-233.) MFA

Describes kromoscope.

238. Ives's stereoscopic photo-chromoscope. (*British journal of photography*, London, Dec. 14, 1894, v. 41, p. 790.) MFA

239. Joly, John. On colour photography. (*British journal of photography*, London, July 20, 1894, v. 41, p. 457-459.) MFA

Paper read before the Photographic Convention of the United Kingdom.

With discussion.

1894, continued.

240. Lectures on colour photography. (British journal of photography, London, May 4, 1894, v. 41, p. 282-283.) MFA

Account of two lectures by E. J. Wall in London. Contains a brief history of color photography.

241. Lippmann, Gabriel. Sur la théorie de la photographie des couleurs simples et composées par la méthode interférentielle. (Académie des sciences. Comptes rendus, Paris, Jan. 15, 1894, tome 118, p. 92-102.) *EO

Also printed in *Journal de physique*, Paris, 1894, série 3, tome 3, p. 97-107, PAA.

242. Niewenglowski, Gaston Henri. Die neuesten Fortschritte der Chromophotographie und die Theorie der Lippmann'schen Versuche. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1894, Halle a. S., 1894, Jahrg. 8, p. 73-82.) MFA

Theory of Lippmann process.

243. Valenta, Eduard. Photography in natural colors. (Anthony's photographic bulletin, New York, 1894, v. 25, p. 63-64.) MFA

Lippmann process.

244. Vidal, Léon. Applications of the stereochroscope to the arts and sciences. illus. (American annual of photography for 1895, New York, 1894, p. 238-240.) MFA

245. Vogel, Hermann Wilhelm. The history of color-sensitive (iso-chromatic or ortho-chromatic) photography. (International annual of Anthony's photographic bulletin, New York, 1894, v. 6, p. 143-145.) MFA

246. Ward, Catherine Weed. Gabriel Lippmann. port. (Anthony's photographic bulletin, New York, 1894, v. 25, p. 296-299.) MFA

247. Warnerke, Léon. Photographs in natural colors, by the process of L. Lumière. (Smithsonian Institution. Report for 1893, Washington, 1894, p. 163-164.) *EA

248. Wilson, Edward L. Wilson's cyclopædic photography; a complete hand-book of the terms, processes, formulæ and appliances available in photography...for ready reference. New York: Edward L. Wilson, 1894. viii, (1)18-494 p. illus. 8°. MFD

See p. 182-187 for heliochrome processes of Niepce de Saint Victor and Bequerel.

1895

249. Bayley, R. Child. Emulsion for the Lippmann process. (British journal of photography, London, June 21, 1895, v. 42, p. 388-389.) MFA

250. — Lippmann's process of color photography. (Anthony's photographic bulletin, New York, 1895, v. 26, p. 231-235.) MFA

251. — Lippmann's process of colour photography. (British journal of photography, London, May 31, 1895, v. 42, p. 342-343.) MFA

For editorial comment see June 7, 1895, v. 42, p. 353-355.

252. Berthier, A. Manuel de photochromie interférentielle; procédés de reproduction directe des couleurs. Paris: Gauthier-Villars et fils, 1895. 2 p.l., 169 p. 12°. (Bibliothèque photographique.) MFA

253. Dillaye, Frédéric. Chassis à mercure pour la chromophotographie. illus. (In his: Les nouveautés photographiques 1895. Paris, 1895. 8°. p. 90-95.) MFA

Lippmann process.

254. Du Bois-Reymond, Cl. Eine Demonstration der neuen farbigen Photographien von Dr. Joly in Dublin. (Physikalische Gesellschaft zu Berlin. Verhandlungen, Berlin, 1895, Jahrg. 14, p. 73-76.) PAA

255. The First direct portrait in colors. (Anthony's photographic bulletin, New York, 1895, v. 26, p. 359.) MFA

Claim of E. Bierstadt for picture taken in 1890.

256. Gelatine emulsion for the Lippmann colour process. (British journal of photography, London, June 7, 1895, v. 42, p. 353-355.) MFA

257. Ives, Frederic Eugene. Colour photography. (British journal of photography, London, Feb. 15, 1895, v. 42, p. 103-105.) MFA

Lecture before the Society of Amateur Photographers of New York. "The editor of a well-known photographic magazine has quite recently asserted that the natural colours have not yet been reproduced as seen upon the ground glass of the camera; but, if that editor is here tonight, he will have an opportunity to see in the photo-chroscope a more perfect reproduction of coloured objects than he ever saw on the ground glass of the camera, because it is free from granulation, and, being in stereoscopic relief, looks like the very object itself."

258. — Colour photography. (British journal of photography, London, Sept. 20, 1895, v. 42, p. 599-600.) MFA

Abstract of a paper read before the American Association for the Advancement of Science.

259. Lumière, Auguste, and LOUIS LUMIÈRE. La photographie des couleurs, ses méthodes et ses résultats. (Revue générale des sciences, Paris, 1895, tome 6, p. 1034-1038.) OA

260. — Sur la photographie en couleurs, par la méthode indirecte. (Académie des sciences. Comptes rendus, Paris, 1895, tome 120, p. 875-876.) *EO

1895, continued.

261. **McFarland, John Horace.** Practical color-process work. illus. (American annual of photography for 1896, New York, 1895, p. 209-211.) **MFA**

Has colored plate by Coloritype process.

262. **Neuhaus, Richard.** Ueber die Photographie in natürlichen Farben. (Physikalische Gesellschaft zu Berlin. Verhandlungen, Berlin, Feb. 8, 1895, Jahrg. 14, p. 17-24.) **PAA**

Discusses Zenker's theory as applied to Lippmann process.

Also printed in *Jahrbuch für Photographie und Reproduktionstechnik, 1895*, Halle a. S., 1895, Jahrg. 9, p. 186-192, **MFA**.

263. **Photographs in natural colors** — Mc-Donotype process. (Anthony's photographic bulletin, New York, March 1, 1895, v. 26, p. 73-75.) **MFA**

264. **Snappschotte, J.** Focus, pseud. The heliogabotype. (British journal of photography, London, Oct. 25, 1895, v. 42, p. 680-681.) **MFA**

Facetious account of proceedings of the Turkeytown Hypo Club. From the *American journal of photography*.

265. **Wall, Edward John.** A note on colour-sensitive plates and screens. (British journal of photography, London, June 14, 1895, v. 42, p. 375-376.) **MFA**

266. — **Photography in colours.** illus. (British journal of photography, London, 1895, v. 42, p. 474-476, 484.) **MFA**

Describes the Joly process, the Niewenglowski heliochromoscope, Nacht's stereochromoscope, Zink's photo-polychromoscope, and the poly-photochromo stereoscopic camera.

267. **Wiener, Otto Heinrich.** Farbenphotographie durch Körperfarben und mechanische Farbenanpassung in der Natur. (Annalen der Physik und Chemie, Leipzig, 1895, N. F. Bd. 55, p. 225-281.) **PAA**

Discusses Seebeck, Becquerel, Poitevin, and Carey-Lea processes.

Also printed in *Jahrbuch für Photographie und Reproduktionstechnik für 1896*, Halle a. S., 1896, Jahrg. 10, p. 55-107, **MFA**.

1896

268. **Abney, Sir William de Wiveleslie.** Becquerel's colour photographs. (Nature, London, June 11, 1896, v. 54, p. 125.) **OA**

Comments on article by Meldola, which see.

269. **Bothamley, C. H.** Becquerel's and Lippmann's colour photographs. (Nature, London, May 28, 1896, v. 54, p. 77.) **OA**

Comments on article by Meldola, which see.

270. **Direct trichromatic half-tone negatives.** (British journal of photography, London, Oct. 9, 1896, v. 43, p. 642-643.) **MFA**

271. **Eder, Josef Maria.** Coloured screens for orthochromatic and three-colour work. (British journal of photography, London, Oct. 16, 1896, v. 43, p. 660.) **MFA**

272. **Gibson, J. Stewart.** Photography of color. (Anthony's photographic bulletin, New York, 1896, v. 27, p. 184-191.) **MFA**

General principles.

Also printed in *British journal of photography*, London, 1896, v. 43, p. 345-346, 362-363, **MFA**.

273. **Glan, Paul.** Zur Photographie in naturähnlichen Farben. (Annalen der Physik und Chemie, Leipzig, 1896, N. F. Bd. 58, p. 402-404.) **PAA**

Use of the spectrotlescope.

274. **Ives, Frederic Eugene.** The perfected photo-chromoscope. illus. (British journal of photography, London, Jan. 17, 1896, v. 43, p. 38-41.) **MFA**

Abstract of lecture delivered before the Camera Club.

275. **Joly, John.** On a method of photography in natural colours. illus. (Royal Dublin Society. Scientific transactions, Dublin, 1896, series 2, v. 6, p. 127-138.) **EC**

276. **Joly's** translucent coloured screens. (British journal of photography, London, May 1, 1896, v. 43, supplement, p. 39-40.) **MFA**

277. **Kelvin (1st baron), William Thomson.** On Lippmann's colour photography with obliquely incident light. (Nature, London, May 7, 1896, v. 54, p. 12-13.) **OA**

278. **Lippmann, Gabriel.** Colour photography. (Royal Institution of Great Britain. Proceedings, London, April 17, 1896, v. 15, p. 151-156.) **EC**

Abstracted in *British journal of photography*, April 24, 1896, v. 43, p. 265, **MFA**.

Also printed in *Nature*, London, April 30, 1896, v. 53, p. 617-618, **OA**.

279. — **On colour photography by the interferential method.** (Royal Society of London. Proceedings, 1896, v. 60, p. 10-13.) **EC**

280. **McDonough's** improvements in photographic coloured screens. (British journal of photography, London, Aug. 28, 1896, v. 43, p. 551-552.) **MFA**

Quotes his patent claims.

281. **McDonough's** improvements in and relating to colour photography. (British journal of photography, London, Aug. 14, 1896, v. 43, p. 523.) **MFA**

Quotes his patent claims.

282. **Meldola, R.** Becquerel and Lippmann's colour photographs. (Nature, London, May 4, 1896, v. 54, p. 28.) **OA**

Believes that effects shown in these processes are due to the same cause. For comments see p. 77, 125.

1896, continued.

283. Neuhauss, Richard. Die Photographie in natürlichen Farben. (Jahrbuch für Photographie und Reproduktionstechnik für 1896, Halle a. S., 1896, Jahrg. 10, p. 20-23.) **MFA**
Lippmann process.
284. Niewenglowski, Gaston Henri. A new stereochroscope. illus. (International annual of Anthony's photographic bulletin, New York, 1896, v. 8, p. 221-222.) **MFA**
285. Photographs in colours: Lumière's process. (British journal of photography, London, March 20, 1896, v. 43, p. 183.) **MFA**
286. Photographs in natural colours: Selle's process. (British journal of photography, London, March 20, 1896, v. 43, p. 182-183.) **MFA**
287. Photography in colours at Newquay. (British journal of photography, London, Sept. 18, 1896, v. 43, p. 602-603.) **MFA**
Comments on Mr. J. W. Bennetto.
288. "Photography in natural colours" (?) — a challenge. (British journal of photography, London, Aug. 7, 1896, v. 43, p. 505.) **MFA**
A challenge to Bennetto "to make good."
289. Richard, Georges Adolphe. Photographie en couleurs; substitution de couleurs organiques à l'argent réduit des épreuves photographiques. (Académie des sciences. Comptes rendus, Paris, 1896, tome 122, p. 609-611, 687.) ***EO**
290. Sachse, Julius Friedrich. The Joly process of color photography. (American Philosophical Society. Proceedings, Philadelphia, 1896, v. 35, p. 119-122.) ***EA**
Also printed in *British journal of photography*, London, Aug. 28, 1896, v. 43, p. 553-554, *MFA*.
291. Schuett, F. Innerer Bau und optisches Verhalten der Lippmann'schen Photographien in natürlichen Farben. illus. (Annalen der Physik und Chemie, Leipzig, 1896, N. F. Bd. 57, p. 533-554.) **PAA**
292. Wall, Edward John. Chromatic photography. illus. (Society of Chemical Industry. Journal, London, June 30, 1896, v. 15, p. 400-404.) **VOA**
Carey Lea, Lippmann, and three-color processes.
293. Abney, Sir William de Wiveleslie. Photography in colours. (Nature, London, Feb. 4, 1897, v. 55, p. 318-319.) **OA**
Discusses Chassagne process. Partly reprinted in *British journal of photography*, London, Feb. 12, 1897, v. 44, p. 102-103, *MFA*.
Also printed in *Photographic news*, London, Feb. 12, 1897, v. 41, p. 103, *MFA*.
294. ——— The scientific requirements of colour photography. (Nature, London, June 24, 1897, v. 56, p. 186.) **OA**
Abstract of lecture before the Oxford University Junior Scientific Club.
295. ——— The sensitiveness of the return to light and colour. illus. (Royal Society of London. Philosophical transactions, London, 1897, series A, v. 190, p. 155-195.) ***EC**
296. Bonacini, Carlo. La fotografia dei colori... Milano: U. Hoepli, 1897. xxxii, 422 p., 11 pl. 4°. **MFV**
297. Chassagne's colour process described. (British journal of photography, London, April 9, 1897, v. 44, p. 226-227.) **MFA**
298. Colour photography: Baumgartner's improvements. (British journal of photography, London, Jan. 1, 1897, v. 44, p. 11-12.) **MFA**
299. Colour photography: Brasseur and Sampolo's process. illus. (British journal of photography, London, April 2, 1897, v. 44, p. 217-219.) **MFA**
Description of their patent which involves a sensitive film, sensitised as far as may be for the visible rays of the spectrum, exposed under and in close contact with a taking screen, having minute, closely adjacent or adjoining areas of transparent colours of the required or desired light-selecting absorption powers.
300. "Colour without colour." (British journal of photography, London, Dec. 10, 1897, v. 44, p. 793-794.) **MFA**
Describes Charles Henry's experiments with thin membranes and the effects of surface tension of liquids.
301. A Criticism of M. Chassagne's colour photographs. (British journal of photography, London, March 5, 1897, v. 44, p. 146-147.) **MFA**
302. Gamble, William. M. Chassagne's colour process. A possible explanation. (British journal of photography, London, Feb. 19, 1897, v. 44, p. 118-119.) **MFA**
303. Graby, A. Positifs instantanés en deux teintes. (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 229-231.) **MFA**
304. Ives, Frederic Eugene. Le photochromoscope. (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 451-456.) **MFA**
305. ——— Photochromoscope and stereoscopic folding chromogram. illus. (Photographic journal, London, Sept., 1897, new series, v. 22, p. 35.) **MFA**
Brief description, with illustrations.
306. Ives's method of illuminating photochromoscope pictures. illus. (British journal of photography, London, Oct. 15, 1897, v. 44, p. 665-667.) **MFA**

1897

1897, continued.

307. The Joly process of natural colour photography. (British journal of photography, London, Nov. 5, 1897, v. 44, supplement, p. 84.) **MFA**

Instructions issued by the Natural Colour Photography [Co.] of Dublin.

308. Lambert, F. C. Photography in natural colors — a comparative sketch. (Anthony's photographic bulletin, New York, 1897, v. 28, p. 108-110.) **MFA**

Historical.

309. A New process of colour photography. (British journal of photography, London, Oct. 15, 1897, v. 44, p. 661.) **MFA**

Dittmar process.

310. Photographic reproduction of colours. (Nature, London, March 4, 1897, v. 55, p. 422.) **OA**

Account of exhibition of Bennetto.

311. Pretzl, A. D. Three colour photography. (British journal of photography, London, 1897, v. 44, p. 293-294, 310-312.) **MFA**

An excellent outline of Hübl's *Die Dreifarbenphotographie*.

312. Saint-Florent, E. de. Photographie des couleurs. (Photo-gazette, Paris, April 25, 1897, année 7, p. 101.) **MFA**

Celloidine paper and gum solution for direct exposure to sun. Not suitable for camera.

313. Smith, Stephen. The application of the theory of colour. (British journal of photography, London, Dec. 10, 1897, v. 44, p. 791-793.) **MFA**

From the *Transactions* of the Edinburgh Photographic Society.

314. Vidal, Léon. Le chromoscope C. Nachet, instrument propre à la synthèse des couleurs obtenues analytiquement par la photographie. (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 225-229.) **MFA**

315. — Du rôle des écrans colorés dans le chromographe et le chromoscope. (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 121-126.) **MFA**

316. — Le photochromoscope. (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 546-547.) **MFA**

317. Vogel, Hermann Wilhelm. Beobachtungen an farbigen Interferenzphotographien. (Physikalische Gesellschaft zu Berlin. Verhandlungen, Berlin, 1897, Jahrg. 16, p. 176-178.) **PAA (Deutsche)**

318. Wallon, Étienne. La découverte de la "méthode indirecte" (reproduction des couleurs). (Société française de photographie. Bulletin, Paris, 1897, série 2, tome 13, p. 547-550.) **MFA**

319. What is photography in natural colours? (British journal of photography, London, Feb. 12, 1897, v. 44, p. 98-99.) **MFA**

320. Wood, Sir Henry Trueman. Colour photography. (Nature, London, July 8, 1897, v. 56, p. 223.) **OA**

Dansac-Chassagne process.

321. — Photography in colours. (Society of Arts. Journal, London, Jan. 29, 1897, v. 45, p. 158-159.) **VA**

Dansac-Chassagne process.

Also printed in *Nature*, London, Feb. 4, 1897, v. 55, p. 318, *OA*, and *Photographic news*, London, Feb. 5, 1897, v. 41, p. 89, *MFA*.

322. — The production of colour by photographic methods. (Society of Arts. Journal, London, Feb. 26, 1897, v. 45, p. 278-287.) **VA**

With discussion.

Well written history of various experiments.

1898

323. Abney, Sir William de Wiveleslie. Colour photography at the Camera Club. (British journal of photography, London, April 8, 1898, v. 45, p. 218.) **MFA**

An abstract of his lecture on the Joly process.

324. — The theory of colour vision applied to modern colour photography. illus. (Royal Institution of Great Britain. Proceedings, London, 1898, v. 15, p. 802-809.) *** EC**

325. — Three-colour photographic printing. (Society of Arts. Journal, London, April 29, 1898, v. 46, p. 548-553.) **VA**

With discussion.

Ives process. Reprinted in *British journal of photography*, supplement, May 6, 1898, p. 35-37, *MFA*.

326. The Bennetto process of colour photography. illus. (British journal of photography, London, 1898, v. 45, p. 776, 783, 799, 814.) **MFA**

327. Colour photography. (British journal of photography, London, Sept. 30, 1898, v. 45, p. 635.) **MFA**

Describes pictures by the Bennetto process but tells nothing of process.

328. Colour photography. (British journal of photography, London, Dec. 16, 1898, v. 45, p. 808-809.) **MFA**

Experiments by E. J. Wall and T. E. Freshwater; also a discussion of Clerk Maxwell color theory.

329. Gamble, William. Colour processes. (Photographic journal, London, Feb. 28, 1898, new series, v. 22, p. 167-170.) **MFA**

Special dark-slide for Lippmann process. Joly process.

330. Gibson, J. Stewart. Color photography — the Joly process. illus. (American annual of photography for 1899, New York, 1898, p. 84-89.) **MFA**

1898, continued.

331. Graby, A. Direct instantaneous positives in two colours. (British journal of photography, London, Jan. 28, 1898, v. 45, p. 53-54.) **MFA**

Abstract of a paper in *Helios*. "He endeavored to substitute the mercuric mirror in the Lippmann process by emulsifying silver in the film, thus providing each grain of bromide of silver with its own mirror."

332. Gravier, Charles. Les impressions en couleurs et les méthodes photographiques dites orthochromatiques. (Photo-gazette, Paris, 1898, année 9, p. 26-30, 54-58, 84-88, 207-211, 229-232.) **MFA**

Processes of Cros and Ducos du Hauron.

333. Huebl, Arthur, Freiherr von. The theory of three-colour printing. (British journal of photography, London, 1898, v. 45, p. 133-135, 167-168.) **MFA**

334. Ives, Frederic Eugene. Colour photography. illus. (British journal of photography, London, Jan. 7, 1898, v. 45, supplement, p. 4-7.) **MFA**

Fundamental principles discussed in a paper read before the Croyden Camera Club.

335. — The photochromoscope. illus. (Royal Scottish Society of Arts. Transactions, Edinburgh, 1898, v. 14, p. 136-151.) **VA**

336. Joly, John. On a method of photography in natural colours. illus. (Royal Dublin Society. Scientific transactions, Dublin, 1898, series 2, v. 6, p. 127-138.) **EC**

Has interesting colored facsimiles. Abstracted in *Nature*, v. 53, p. 91-93, *OA*, and in *British journal of photography*, v. 42, p. 774-776, *MFA*.

337. Joly's changing back for colour screen photography. illus. (British journal of photography, London, Aug. 19, 1898, v. 45, p. 539.) **MFA**

338. Jourdain, Philip Edward Bertrand. Colour photography. (British journal of photography, London, Dec. 16, 1898, v. 45, p. 815.) **MFA**

Very brief references to the work of Clerk Maxwell, Dr. Joly, Lord Rayleigh, Zenker, Wiener, Cornu, and Mascart.

339. Lippmann, Gabriel. Colour photography. (British journal of photography, London, Jan. 7, 1898, v. 45, supplement, p. 2-4.) **MFA**

Abstract of paper read before the Royal Photographic Society.

340. Lumière, Auguste, and LOUIS LUMIÈRE. Photographies en couleurs par la méthode indirecte. (Société française de photographie. Bulletin, Paris, 1898, série 2, tome 14, p. 316-317.) **MFA**

Abstract in *Photographic journal*, London, Feb. 28, 1899, new series, v. 23, p. 173-174, *MFA*, and *British journal of photography*, London, July 29, 1898, v. 45, p. 486-487, *MFA*.

341. Mareschal, G. La photographie des couleurs. (Photo-gazette, Paris, Feb. 25, 1898, année 8, p. 61-62.) **MFA**

Geisler process.

342. Meyer's camera for producing negatives for use in three-colour printing. (British journal of photography, London, May 13, 1898, v. 45, p. 310.) **MFA**

343. Monpillard, Félix. Impression trichrome: paysage obtenu d'après nature par triple sélection. (Société française de photographie. Bulletin, Paris, 1898, série 2, tome 14, p. 534-535.) **MFA**

344. — Note sur les épreuves imprimées en trois couleurs dans les ateliers de M. Prieur, à Puteaux. (Société française de photographie. Bulletin, Paris, 1898, série 2, tome 14, p. 409-412.) **MFA**

345. Neuhauss, Richard. Nachweis der dünnen Zenker'schen Blättchen in den nach Lippmann's Verfahren aufgenommenen Farbenbildern. (Annalen der Physik und Chemie, Leipzig, 1898, N. F. Bd. 65, p. 164-172.) **PAA**

346. — Neuen Untersuchungen über das Lippmann'sche Farbenverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1898, Halle a. S., 1898, Jahrg. 12, p. 179-184.) **MFA**

Also printed in *British journal of photography*, London, 1898, v. 45, supplement, p. 50-51; 1899, v. 45, supplement, p. 57-58; 1900, v. 47, Journal, p. 26-27, 167, *MFA*.

347. — Ueber die Photographie in natürlichen Farben nach Lippmann's Verfahren und den Nachweis der dünnen Zenker'schen Blättchen. (Physikalische Gesellschaft zu Berlin. Verhandlungen, Berlin, 1898, Jahrg. 17, p. 94-95.) **PAA**

348. A New colour process. (British journal of photography, London, Oct. 21, 1898, v. 45, p. 678.) **MFA**

Brief description of the Dittmar process, which, it is stated, "is hardly likely to be of much use, but is of theoretical interest as a confirmation of Wiener's theory of 'Körperfarben.'"

349. Noack. A three-colour printing process. (British journal of photography, London, Dec. 23, 1898, v. 45, p. 822.) **MFA**

350. La Photographie des couleurs et la photochromie des métaux. (La Revue technique, Paris, Oct. 10, 1898, v. 19, p. 451.) **VA**

Abstract in *Photographic news*, London, Dec. 23, 1898, v. 42, p. 838, *MFA*.

351. Photography in colours. (British journal of photography, London, June 24, 1898, v. 45, p. 406.) **MFA**

Brief reference to the claims of Herr Reichel.

352. Photography in natural colours. (British journal of photography, London, Dec. 9, 1898, v. 45, p. 787.) **MFA**

Brief reference to the Grenier-Villerd process. "The colours appeared to be absolutely fixed, and, if M. Grenier-Villerd is to be believed, the cost of the same is considerably less than that of ordinary wall paper."

1898, continued.

353. Swan, J. W. Professor Joly's process of colour-photography. (English mechanic and world of science, London, March 25, 1898, v. 67, p. 119.) **VA**

Reprinted in *British journal of photography*, April 1, 1898, supplement, p. 29-30, **MFA**.

354. Tallent, Alexander A. K. On rapid dry plates for process work. Combined screen and colour negatives for three colour printing. (Photographic journal, London, Dec. 23, 1898, new series, v. 23, p. 81-84.) **MFA**

With discussion.

Abstract in *British journal of photography*, London, Nov. 25, 1898, v. 43, p. 764, **MFA**.

355. Valenta, Eduard. Untersuchungen über das Sensibilisierungsvermögen verschiedener Theerfarbstoffe. (Jahrbuch für Photographie und Reproduktionstechnik für 1898, Halle a. S., 1898, Jahrg. 12, p. 255-265.) **MFA**

356. Vidal, Léon. Moyen de préparer les écrans colorés pour les reproductions trichromes et de régler leur saturation. (Société française de photographie. Bulletin, Paris, 1898, série 2, tome 14, p. 85-89.) **MFA**

357. Vieuille, G. The chromographoscope. illus. (American annual of photography for 1899, New York, 1898, p. 156-157.) **MFA**

358. Vogel, Hermann Wilhelm. Colour photography. (British journal of photography, London, Jan. 28, 1898, v. 45, p. 53.) **MFA**

Describes different color effects produced by the Lippmann process.

359. — A review of triple printing methods. (Photographic journal, London, April 28, 1898, new series, v. 22, p. 297-298.) **MFA**

360. Wallon, Étienne. Le chromographoscope de M. Louis Ducos du Hauron. illus. (Société française de photographie. Bulletin, Paris, 1898, série 2, tome 14, p. 80-83.) **MFA**

361. Wiener, Otto Heinrich. Color photography by means of body colors, and mechanical color adaptation in nature. (Smithsonian Institution. Annual report for 1896, Washington, 1898, p. 167-205.) *** EA**

1899

362. Abney, Sir William de Wiveleslie. The colour sensations in terms of luminosity. (Photographic journal, London, June 30, 1899, new series, v. 23, p. 291-292.) **MFA**

Abstract of paper read before the Royal Society.

363. — Colours for tri-chromatic photographic printing. illus. (Photographic journal, London, 1899, new series, v. 23, p. 192-198, 288.) **MFA**

364. Becquerel, Edmond. The researches of Edmond Becquerel on direct heliochromy. (British journal of photography, London, 1899, v. 46, p. 292-294, 309-311.) **MFA**

Except for a short introduction this article is a translation of Becquerel's paper before the Société française de photographie in 1857.

365. Blanc, A. Procédés pour l'étude de la photochromie interférentielle. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 469-471.) **MFA**

366. Boothroyd, Jabez. A few thoughts on photographing in natural colors. (International annual of Anthony's photographic bulletin, New York, 1899, v. 11, p. 72-76.) **MFA**

Difficulties to be overcome.

367. Brothers, Alfred. Photography: its history, processes, apparatus, and materials. Comprising working details of all the more important methods. London: Charles Griffin & Co., 1899. xviii, 367 p. 2. ed. rev. illus. 8°. **MFE**

Brief history, p. 142-151. Kromoskop, p. 300-306.

368. C., R. H. W. Vogel. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 165.) **MFA**

Obituary notice.

369. Clerc, Louis Philippe. La photographie des couleurs, avec une préface de Gabriel Lippmann. Paris: Gauthier-Villars (1899). 190 p. 12°. (Encyclopédie scientifique des aide-mémoire.) **MFV**

370. Fuerst Brothers. The Lippmann process. (Professional photographer, Buffalo, April, 1899, v. 4, p. 171-172.) **MFA**

Directions for working.

371. Grebe, C. On increasing the sensitiveness of substances by colouring. (Photographic journal, London, March 30, 1899, new series, v. 23, p. 205-207.) **MFA**

372. Hermann Wilhelm Vogel. (Photographic journal, London, Jan. 31, 1899, new series, v. 23, p. 113-114.) **MFA**

Obituary notice.

373. The Ives Kromoskop and color photography. (Professional photographer, Buffalo, Oct., 1899, v. 4, p. 413-416.) **MGA**

374. Jones, Chapman. The Royal Photographic Society's exhibition. (Nature, London, Sept. 28, 1899, v. 60, p. 539.) **OA**

Brief reference to medal awarded to E. Sanger Shepherd for his trichromatic light filters.

375. Jourdain, Philip Edward Bertrand. The application of the diffraction grating to photochromy. (British journal of photography, London, April 14, 1899, v. 46, p. 232.) **MFA**

1899, continued.

376. — The fundamental principles of photochromy. (British journal of photography, London, April 28, 1899, v. 46, p. 262-263.) **MFA**
Discusses the use of the terms "direct" and "indirect" as applied to color processes.
377. Kromskop color photography. (Photographic times, New York, 1899, v. 31, p. 164-167.) † **MFA**
378. Lambert, F. C. English notes — recent advances in three-color photography. illus. (Anthony's photographic bulletin, New York, 1899, v. 30, p. 371-372.) **MFA**
Abstract of lecture by E. Sanger Shepherd, describing his process.
379. Lippmann, Gabriel. Photographie directe des couleurs. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 116-118.) **MFA**
Translation in *Photographic news*, London, March 30, 1899, v. 22, p. 207, *MFA*.
380. The Melano chromoscope. (British journal of photography, London, Dec. 29, 1899, v. 46, p. 822.) **MFA**
381. Monpillard, Félix. Sur la photographie indirecte des couleurs appliquée à la microphotographie. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 467-468.) **MFA**
382. Namias, Rodolfo. Obtention d'images colorées monochromes et polychromes par voie chimique. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 565-573.) **MFA**
383. Neuhauss, Richard. Neue Untersuchungen über das Lippmann'sche Farbenverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1899, Halle a. S., 1899, Jahrg. 13, p. 70-74.) **MFA**
384. Niewenglowski, Gaston Henri. Progress in color photography. (Smithsonian Institution. Annual report for 1898, Washington, 1899, p. 209-215.) * **EA**
385. Photography in natural colours. (Photographic news, London, March 10, 1899, v. 43, p. 154-155.) **MFA**
Formulas for Lippmann process.
386. Photography in natural colours — Mr. Friese-Greene's system. illus. (British journal of photography, London, Nov. 17, 1899, v. 46, p. 729-730.) **MFA**
Copy of specifications.
387. Shepherd, E. Sanger. Colour photography. (British journal of photography, London, Nov. 3, 1899, v. 46, supplement, p. 85-86.) **MFA**
Describes operation of the Cadett plates.
388. — The photography of colour. (Photographic journal, London, Aug. 31, 1899, new series, v. 23, p. 316-326.) **MFA**
With discussion.
Deals principally with the Cadett plates.
389. — Practical three-colour lantern-slide making. (Photographic journal, London, Dec. 23, 1899, new series, v. 24, p. 95-101.) **MFA**
With discussion.
390. Vidal, Léon. Application des réseaux de diffraction à la reproduction photographique des couleurs, par M. le professeur Wood. illus. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 267-272.) **MFA**
391. — Chromoscope Nachet à vision simple. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 103-106.) **MFA**
392. — Photographie trichrome. Remarques relatives à la production du vert. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 538-541.) **MFA**
393. — Photographie trichrome, procédé pelliculaire. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 486-489.) **MFA**
394. — Procédé pelliculaire d'impressions trichromes pour projections et stéréoscope. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 306-311.) **MFA**
395. Wiener, Otto Heinrich. Ursache und Beseitigung eines Fehlers bei der Lippmann'schen Farbenphotographie, zugleich ein Beitrag zu ihrer Theorie. illus. (Annalen der Physik und Chemie, Leipzig, 1899, N. F. Bd. 69, p. 488-530.) **PAA**
396. Wood, Robert Williams. An application of the diffraction grating to colour photography. (London, Edinburgh & Dublin philosophical magazine & journal of science, London, April, 1899, series 5, v. 47, p. 368-372.) **OA**
Also printed in *British journal of photography*, London, April 14, 1899, v. 46, p. 229-230, *MFA*.

1900

397. Abney, Sir William de Wiveleslie. On the estimation of the luminosity of coloured surfaces used for colour discs. illus. (Photographic journal, London, July 31, 1900, new series, v. 24, p. 319-321.) **MFA**
Paper read before the Royal Society.
398. — Screens for three-colour work. illus. (Photographic journal, London, Jan. 27, 1900, new series, v. 24, p. 121-131.) **MFA**
With discussion.

1900, continued.

399. Barbieri, D. The history of photography in natural colours. (British journal of photography, London, July 27, 1900, v. 47, p. 474-475.) **MFA**

Also printed in *American architect*, Boston, 1900, v. 69, p. 62-63, *MQA*.

400. Bolas, Thomas, and others. A handbook of photography in colours. Section I. By Thomas Bolas... Section II. By Alexander A. K. Tallent... Section III. By Edgar Senior... London: Marion & Co., 1900. 3 p.l., viii, 343 p., 3 pl. 12°. **MFV**

401. Capt. Lascelles Davidson's improvements in cinematographs for taking and projecting photographs in colours. illus. (British journal of photography, London, Dec. 7, 1900, v. 47, supplement, p. 94-95.) **MFA**

402. Colour fallacies. (British journal of photography, London, 1899, v. 46, p. 114-115, 190, 226-227, 290-291, 322-323; 1900, v. 47, p. 143, 159, 175.) **MFA**

Editorial discussion of papers by Messrs. Hitchcock and Zerban, as well as the claims of J. W. Bennetto.

"An ordinary film of sensitive silver haloid in gelatine, exposed and developed in the usual manner, is just as likely, either itself to register the colours of the original or to transmit them to a prepared printing surface, as the moon is to yield a supply of green cheese to Sir Thomas Lipton for his many shops, or the obese inhabitants of the farmyard pig-stye are to take unto themselves wings and fly."

403. Colour photography: Krayn's system of viewing the pictures. illus. (British journal of photography, London, Jan. 19, 1900, v. 47, p. 40.) **MFA**

404. Colour screens. (British journal of photography, London, April 13, 1900, v. 47, p. 229.) **MFA**

405. Cundall, J. Tudor. The Joly, Wood, and Lippmann processes for producing photographs in colour. (British journal of photography, London, April 6, 1900, v. 47, supplement, p. 31-32.) **MFA**

406. A Dark slide for the Lippmann process. (British journal of photography, London, June 1, 1900, v. 47, supplement, p. 47.) **MFA**

Apparatus sold by Penrose & Co., London.

407. Fawcett, E. Douglas. Amateurs and the Lippmann process. illus. (Photographic news, London, 1900, v. 44, p. 248-249, 266-267, 279.) **MFA**

408. Forrest, Mark. The MacDonough process of colour photography. (British journal of photography, London, Sept. 7, 1900, v. 47, Colour photography supplement, p. 69.) **MFA**

409. — The MacDonough process at Milwaukee convention. (Anthony's photographic bulletin, New York, 1900, v. 31, p. 292-293.) **MFA**

Also printed in *Professional & amateur photographer*, Buffalo, Aug., 1900, v. 5, p. 267-269, *MFA*.

410. Graby, A. Development of colour photography. (Photographic news, London, June 15, 1900, v. 44, p. 378.) **MFA**

411-412. — Nouvelle méthode de photographie des couleurs. (Société française de photographie. Bulletin, Paris, 1900, série 2, tome 16, p. 274-276.) **MFA**

Translated in *Camera craft*, San Francisco, Oct., 1900, v. 1, p. 358, *MFA*.

413. Hinchley, J. W. Colour photography: the Joly process. (Society of Chemical Industry. Journal, London, Jan. 31, 1900, v. 19, p. 5-6.) **VOA**

With discussion.

Devotes some space to the theory of color as laid down by Clerk Maxwell. Part of this paper is reprinted in *British journal of photography*, Feb. 23, 1900, p. 119-121, *MFA*.

414. Howdill, Charles B. The Joly process for reproducing stained-glass windows. (Photographic news, London, May 4, 1900, v. 44, p. 285-286.) **MFA**

Also printed in *British journal of photography*, London, May 4, 1900, v. 47, supplement, p. 36, *MFA*.

Author's name misspelled in *British journal of photography*.

415. Huebl, Arthur, Freiherr von. The combination of colours. illus. (British journal of photography, London, Jan. 12, 1900, v. 47, p. 23-25.) **MFA**

416. — Procédé trichrome produisant des images transparentes pour projections et stéréoscopes. (Société française de photographie. Bulletin, Paris, 1899, série 2, tome 15, p. 511-519, 587-594; 1900, série 2, tome 16, p. 31-35.) **MFA**

417. Ives, Frederic Eugene. The optics of trichromatic photography. (Photographic journal, London, Nov. 30, 1900, new series, v. 25, p. 99-120.) **MFA**

Also printed in *British journal of photography*, 1900, v. 47, p. 742-746, 757-759, 773-776, 788-790; 1901, v. 48, p. 47, 127, 141-143, 190-191, 223-224, 430, 511-512, *MFA*; *Photographic news*, London, 1900, v. 44, p. 764-765, 781-782, 795-797, 809-811, 830-832, 842-844, *MFA*.

418. Ives improvements in photochromoscopic apparatus. illus. (British journal of photography, London, Sept. 7, 1900, v. 47, supplement, p. 71-72.) **MFA**

Describes the patent.

419. Jones, Chapman. The effect of wavelength on gradation. illus. (Photographic journal, London, June 30, 1900, new series, v. 24, p. 279-286.) **MFA**

1900, continued.

420. Jourdain, Philip Edward Bertrand. On the recent progress in direct photochromy. (British journal of photography, London, 1900, v. 47, p. 566, 597-598.) **MFA**
 "To Zenker is due the *principle*, to Rayleigh is also due independently the principle and also the idea (lacking with Zenker) of a transition from *principle to method*; to Lippmann is due the final *method*."
421. — Photography in natural colours. (Nature, London, Aug. 2, 1900, v. 62, p. 316.) **OA**
 A review of Zenker's *Lehrbuch der Photochromie*, 1900.
422. Kromskop color photography. Philadelphia: Ives Kromskop Co. [1900.] 32 p. 3. ed. 16°. **MFF p.v.52, no.5**
423. Kromskop color photography. illus. (Professional and amateur photographer, Buffalo, May, 1900, v. 5, p. 166-168.) **MFA**
424. L. Neue Farbenphotographie. (Photographische Chronik, Halle a. S., Dec. 9, 1900, Jahrg. 7, p. 631-632.) † **MFA**
 Heseckel process.
425. Loescher, Fritz. Photographie in natürlichen Farben unter Anwendung von Beugungsgittern. (Photographische Chronik, Halle a. S., 1900, Jahrg. 7, p. 295-296, 307-308.) † **MFA**
 Wood's process.
426. Lueppo-Cramer. Untersuchungen über das Lippmann'sche Farbenverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 23-37.) **MFA**
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 English translation in *Photographic journal*, London, Oct. 31, 1900, new series, v. 25, p. 82-85, **MFA**, and *British journal of photography*, London, Sept. 14, 1900, v. 47, p. 583-584, **MFA**.
427. The McDonough-Joly process of photography in natural colours. (Photographic news, London, Dec. 21, 1900, v. 44, p. 825.) **MFA**
428. Mareschal, G. Photographie des couleurs; petit appareil d'amateur par M. L. Ducos du Hauron. illus. (La Nature, Paris, 1900, année 28, semestre 1, p. 188-189.) **OA**
429. The Melano-chroscope. illus. (British journal of photography, London, Jan. 12, 1900, v. 47, p. 25-26.) **MFA**
430. Monpillard, Félix. Note sur quelques perfectionnements apportés par MM. Prieur et Dubois dans l'industrie des impressions trichromes. (Société française de photographie. Bulletin, Paris, 1900, série 2, tome 16, p. 320-327.) **MFA**
431. Namias, Rodolfo. Color pictures by reaction, after exposure, and by substitution. (Anthony's photographic bulletin, New York, 1900, v. 31, p. 90-93.) **MFA**
432. — Printing in natural colors. (Anthony's photographic bulletin, New York, 1900, v. 31, p. 126.) **MFA**
433. Panchromatic emulsion for colour photography. (British journal of photography, London, Feb. 23, 1900, v. 47, p. 122.) **MFA**
 Use of glycinroth as a sensitizer for red.
434. Quentin, H. Notes pratiques sur l'orthochromatisme. Emploi des plaques orthochromatiques avec et sans écrans. Paris: C. Mendel [1900?], 45 p. 12°. (Bibliothèque de la Photo-revue. no. 16.) **MFF p.v.44, no.11**
435. Recent patents in colour photography. illus. (British journal of photography, London, 1900, v. 47, p. 327-329, 539-540, 556-557, 572; supplement, p. 23-24.) **MFA**
 Specifications: Thorpe, Selle, Garchey, Butler, Lascelle, Pollock.
- 436-437. Shepherd, E. Sanger. The photography of colour. Cantor lectures. (Society of Arts. Journal, London, 1900, v. 48, p. 758-766, 769-776, 781-788, 793-797.) **VA**
438. Thorp, Thomas. Grating films and their application to colour photography. illus. (Manchester Literary and Philosophical Society. Memoirs, Manchester, 1900, v. 44, no. 12, p. 1-8.) *** EC**
439. Trichromatic photography by Hofmann's process. (British journal of photography, London, June 22, 1900, v. 47, p. 389.) **MFA**
440. Trillat, A. Transformation de l'image photographique d'un cliché en un état lamellaire et phénomènes de colorations qui en dérivent. (Académie des sciences. Comptes rendus, Paris, 1900, tome 130, p. 170-172.) *** EO**
 By chemical treatment colors may be produced on a negative; these, however, bear no true relation to the colors photographed. Abstract in *Photographic journal*, London, March 31, 1900, new series, v. 24, p. 205-206, **MFA**.
 Also printed in Société française de photographie. Bulletin, Paris, 1900, série 2, tome 16, p. 137-139, **MFA**.
441. Valenta, Eduard. Some more colour sensitizers. (British journal of photography, London, March 2, 1900, v. 47, p. 133-134.) **MFA**
442. Wallon, Étienne. Mélanochroscope de M. Louis Ducos du Hauron. illus. (Société française de photographie. Bulletin, Paris, 1900, série 2, tome 16, p. 58-62.) **MFA**
 Abstract in *Journal of photography*, London, Feb. 28, 1900, new series, v. 24, p. 180-182, **MFA**.

1900, continued.

443. Ward, Henry Snowden. The McDonough-Joly process of colour photography. (Photographic journal, London, Dec. 31, 1900, new series, v. 25, p. 141-148.)

MFA

Has a list of related patents.

444. Watkins, Alfred. Hydroquinone and colour impressions. (Photographic journal, London, June 30, 1900, new series, v. 24, p. 287-290.)

MFA

445. Wood, Robert Williams. The diffraction process of color photography. illus. (Science, New York, June 23, 1899, new series, v. 9, p. 859-862.)

OA

Stated to be a variation of the three-color process.

Also printed in *Nature*, London, June 29, 1899, v. 60, p. 199-201, OA.

446. — Diffraction process of colour photography. illus. (Society of Arts. Journal, London, Feb. 16, 1900, v. 48, p. 285-291.)

VA

Also printed in *Photographic news*, London, Feb. 23, 1900, v. 44, p. 120-123, MFA.

447. Zenker, Wilhelm. Lehrbuch der Photochromie (Photographie der natürlichen Farben). Neu hrsg. von B. Schwalbe. Braunschweig: F. Vieweg & Sohn, 1900. xiii, 157 p. 8°.

MFA

1901

448. Abney, Sir William de Wiveleslie. The photography of colour. illus. (Society of Chemical Industry. Journal, London, Nov. 30, 1901, v. 20, p. 1060-1071.)

VOA

Underlying scientific principles which must be followed to obtain success.

449. Barstow, Montagu. Colour photography. (British journal of photography, London, 1901, v. 48, p. 399, 430-431.)

MFA

Two letters referring to the De Lubicz process, but no details.

450. Brasseur, Charles L. A. The Sampo-Brasseur process of indirect colour-photography. illus. (Photographic journal, London, May 31, 1901, new series, v. 25, p. 265-269.)

MFA

Abstract in *British journal of photography*, London, April 19, 1901, v. 48, p. 252, MFA.

451. Buss, Otto. Lüppo-Cramer's Contrablau vom Standpunkte der Zenker'schen Theorie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 37-44.)

MFA

452. Drecker, J. Referat über direkte Farbenphotographie. (Physikalische Zeitschrift, Leipzig, 1901, Jahrg. 2, p. 44-45.)

PAA

Explains theories of interference and absorption.

453. Dubois, Louis. La photographie des couleurs et ses applications industrielles. (Société industrielle du nord de la France. Bulletin, Lille, 1901, année 29, p. 485-502.)

VA

454. Farmer, Howard. The optics of tri-colour photography. (Photographic journal, London, June 31, 1901, new series, v. 25, p. 303-308.)

MFA

Abstract in *British journal of photography*, London, June 7, 1901, v. 48, p. 365, MFA.

455. — The optics of trichromatic photography. (British journal of photography, London, Dec. 21, 1900, v. 47, p. 815; 1901, v. 48, p. 63, 68-69, 154.)

MFA

456. Farmer, Howard, and GUY SYMMONS. Practical tri-colour photography. illus. (Photographic journal, London, June 21, 1901, new series, v. 25, p. 294-302.)

MFA

Also printed in *British journal of photography*, London, 1901, v. 48, supplement, p. 62-64, Journal, p. 503-504, MFA.

457. Fawcett, E. Douglas. On a suggested advance in the practice of the line system of three-colour photography. (British journal of photography, London, Feb. 22, 1901, v. 48, p. 118-119.)

MFA

Improvement on the Joly-McDonough processes, claiming extreme simplicity of working and perfect registration.

For discussion see 1901, v. 48, p. 140-141, 205.

458. Goddé, G. Photographie directe des couleurs par la méthode interférentielle de M. G. Lippmann—pratique du procédé. (Société française de photographie. Bulletin, Paris, 1901, série 2, tome 17, p. 351-356.)

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459. Grant, Thomas K. A practical process of colour photography. (Photographic news, London, Dec. 6, 1901, v. 45, p. 794-795.)

MFA

3-plate Lumière process.

460. Hale, William H. Natural color photography—the Sanger Shepherd process. (Photographic times, New York, 1901, v. 33, p. 104-107.)

† MFA

461. Herschel, Sir William James. Colour photography. (British journal of photography, London, July 12, 1901, v. 48, p. 439-441.)

MFA

Presidential address to the sixteenth annual meeting of the Photographic Convention of the United Kingdom, Oxford, July 8, 1901. Describes Ives, Shepherd, Joly-McDonough, and Lippmann processes, with comments on the work of Zenker and Wiener.

Also printed in Smithsonian Institution. *Annual report for 1901*, Washington, 1902, p. 313-316, *EA.

462. Hitchcock, Romyn. Tithonic rays and early photographs in color. (International annual of Anthony's photographic bulletin, New York, 1901, v. 13, p. 107-109.)

MFA

1901, continued.

463. Howdill, Charles B. The photography of stained glass windows by the three-colour process. (Photographic journal, London, Aug. 31, 1901, new series, v. 25, p. 342-344.) MFA

464. Husnik, Jaroslav. On colour sensitizing in theory and practice. (Photographic journal, London, Oct. 31, 1901, new series, v. 25, p. 364-365.) MFA

Abstract from Eder's *Jahrbuch*, 1901.

465. Ives, Frederic Eugene. The optics of tri-colour photography. (Photographic journal, London, July 31, 1901, new series, v. 25, p. 339-340.) MFA

Reply to charges of Howard Farmer.

466. — The optics of trichromatic photography. illus. (Photographic journal, London, Aug. 31, 1901, new series, v. 25, p. 350-352.) MFA

467. Jourdain, Philip Edward Bertrand. Notes on the development of interference photochromy. (British journal of photography, London, 1900, v. 47, p. 612-613, 693-694, 711-712; 1901, v. 48, p. 3-4, 21, 100-101, 116-117, 180, 230-231, 277-278.) MFA

Excellent outline with footnote references. Discusses the work of Neuhauss, Lippmann, Dittmar, Delvalez, Kitz, Zenker, Becquerel, Rayleigh, Wiener, Eder, Valenta, Thwing, Meslin, Schütt.

468. Kenah, Arthur V. The McDonough-Joly process. (British journal of photography, London, March 1, 1901, v. 48, p. 140-141.) MFA

469. — On a method of producing photographs in colour, suitable to the requirements of the amateur. illus. (British journal of photography, London, Jan. 18, 1901, v. 48, p. 36-39.) MFA

McDonough and Joly processes exploited by The Natural Color Photo. Co. of London.

470. Kuchinka, Eduard. Neuere Apparate zur Herstellung von Farbenphotographien nach dem Dreifarbenprocesse. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 257-273.) MFA

Ives and Ducos du Hauron processes.

471. Lueppo-Cramer. Fine grain and its relation to colour sensitiveness. (British journal of photography, London, Oct. 15, 1901, v. 48, p. 675.) MFA

472. Lumière, Auguste, and LOUIS LUMIÈRE. Sur la photographie des couleurs. illus. (Société française de photographie. Bulletin, Paris, 1901, série 2, tome 17, p. 204-211, 303-310, 441-449.) MFA

473. Miethe, Adolf. Das Heliochromoskope als Hilfsmittel im Dreifarben-drucke. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 461-464.) MFA

474. Neuhauss, Richard. The Lippmann process. (British journal of photography, London, May 24, 1901, v. 48, p. 326-327.) MFA

475. — Die Sensibilisierung der Gelatineplatten für Lippmann's Farbenverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 115-126.) MFA

476. A Notable advance in color photography. illus. (Smithsonian Institution. Annual report for 1900, Washington, 1901, p. 523-526.) * EA

Brasseur-Sampolo process.

477. Pfaundler, Leopold. Ueber Farbenphotographie mittels Beugungsgitter. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1901, Halle a. S., 1901, Jahrg. 15, p. 177-187.) MFA

Wood's process.

478. La Photographie des couleurs. (Photogazette, Paris, 1901, année 11, p. 165-171, 189-198, 226-233.) MFA

Lippmann, Cros, and Ducos du Hauron processes in detail.

479. Shearer, J. S. Screens for the McDonough-Joly process. (British journal of photography, London, June 7, 1901, v. 48, p. 367.) MFA

For a comment by A. V. Kenah see issue for June 14, 1901, p. 383.

480. T., H. Herstellung farbiger Positive nach Dreifarben - Negativen. (Photographische Chronik, Halle a. S., Jan. 9, 1901, Jahrg. 8, p. 29-30.) † MFA

Lumière process.

481. Tallent, Alexander A. K. The optics of trichromatic photography. (British journal of photography, London, Jan. 4, 1901, v. 48, p. 15-16.) MFA

482. Van Beek, H. Wesentliche Verbesserung der Kamera, für gleichzeitige Aufnahme dreier farbiger Teilbilder bestimmt. illus. (Photographische Chronik, Halle a. S., Jan. 27, 1901, Jahrg. 8, p. 58-60.) † MFA

Szczepanik process.

483. Wall, Edward John. The optics of trichromatic photography. illus. (British journal of photography, London, 1901, v. 48, p. 231-233, 244-245.) MFA

1902

484. Abney, Sir William de Wiveleslie. On colour photography. (British journal of photography, London, Feb. 7, 1902, v. 49, p. 111-112.) MFA

Abstract of paper on lenses read before the Camera Club, with discussion.

1902, *continued.*

485. Colour photography. (British journal of photography, London, July 25, 1902, v. 49, p. 581-582.) **MFA**

Dr. Miethe's process.

486. Colour photography. Dr. Neuhauss's process. (British journal of photography, London, Jan. 31, 1902, v. 49, p. 81-82.) **MFA**

487. Direct colour photographs. (British journal of photography, London, 1902, v. 49, p. 282, 1001.) **MFA**

A brief history of progress made.

488. Eder, Josef Maria. Spectralanalytische Studien über photographischen Dreifarbindruck. illus. (Kaiserliche Akademie der Wissenschaften. Denkschriften, Mathematisch-naturwissenschaftliche Classe, Wien, 1902, Bd. 72, p. 633-663.) *** EF**

Abstracted by E. J. Wall in *British journal of photography*, London, 1904, v. 51, p. 228-229, 251-252, 268-270, **MFA**.

489. — System der Sensitometrie photographischer Platten. illus. (Kaiserliche Akademie der Wissenschaften. Sitzungsberichte: Mathematisch-naturwissenschaftliche Classe, Wien, 1899, Bd. 108, Abt. IIa, p. 1407-1498; 1900, Bd. 109, Abt. IIa, p. 1103-1126; 1901, Bd. 110, Abt. IIa, p. 1103-1124; 1902, Bd. 111, Abt. IIa, p. 888-893.) *** EF**

490. Fritsch, Gustav. Trichromatic filters. (British journal of photography, London, Dec. 19, 1902, v. 49, p. 1001.) **MFA**

491. Goethe and colour photography. (British journal of photography, London, July 4, 1902, v. 49, p. 522-523.) **MFA**

492. Gravier, Charles. Impressions polychromes par les procédés photographiques. (Société française de photographie. Bulletin, Paris, 1902, série 2, tome 18, p. 132-136.) **MFA**

493. Hanneke, Paul. Direkte Farbenphotographie. (Photographische Kunst, Wochenbeilage, München, April 23, 1902, Jahrg. 1, p. 17-19.) **† MFA**

Vallot, Neuhauss, and Worel processes.

494. Hitchcock, Romyn. Photographs in color. (International annual of Anthony's photographic bulletin, New York, 1902, v. 14, p. 183-185.) **MFA**

General description of McDonough process.

495. Johnson, George Lindsay. A century's progress in colour photography and the knowledge of colour vision. (Photographic journal, London, March 31, 1902, v. 42 [new series, v. 26], p. 86-90.) **MFA**

Reprinted in *Photographic times-bulletin*, New York, 1902, v. 34, p. 547-552, **† MFA**

496. The Lippmann process and colour photography. (British journal of photography, London, Jan. 24, 1902, p. 61.) **MFA**

Brief abstract of article by R. Neuhauss in *Liesegang's photographischer Almanach*, relating to possibilities of color photography.

497. The Lumière process of colour photography. (British journal of photography, London, Jan. 17, 1902, v. 49, p. 52-53.) **MFA**

Gives directions for preparing screens and printing papers, with formulas for intensifier and reducer.

498. Miethe, Adolf. A new colour sensitizer. (British journal of photography, London, Dec. 19, 1902, v. 49, p. 1002.) **MFA**

Abstract only.

499. — Plates and light-filters for orthochromatic and tri-color photography. (Camera craft, San Francisco, 1902, v. 4, p. 199-207; v. 5, p. 9-11.) **MFA**

500. Mr. Sanger Shepherd's new colour process. (British journal of photography, London, Dec. 19, 1902, v. 49, p. 1004.) **MFA**

501. Monpillard, Félix. Sur la formation des noirs, des gris et des demi-teintes dans les synthèses trichromes industrielles; procédés en relief. illus. (Société française de photographie. Bulletin, Paris, 1902, série 2, tome 18, p. 169-184.) **MFA**

502. Neuhauss, Richard. Direkte Farbenphotographie durch Körperfarben. (Jahrbuch für Photographie und Reproduktionstechnik für 1902, Halle a. S., 1902, Jahrg. 16, p. 20-21.) **MFA**

Also printed in *Photographische Chronik*, Halle a. S., 1902, Jahrg. 9, p. 79-81, 93-96, **MFA**.

503. Nutting, P. G. The effect of light on cyanin. (Nature, London, Aug. 28, 1902, v. 66, p. 416.) **OA**

Abstract in *Photographic journal*, London, Aug. 30, 1902, new series, v. 26, p. 197-198, **MFA**.

504. The Physiological basis of three-colour work. (British journal of photography, London, Jan. 24, 1902, v. 49, p. 64.) **MFA**

An appreciation of the work of James Clerk Maxwell.

505. Plaskett, J. S. Photography in natural colors. illus. (Royal Canadian Institute. Transactions, Toronto, 1902, v. 7, p. 371-390.) *** EC**

506. Senior, Edgar. Mise en évidence de l'existence des lames minces de Zenker dans les chromophotographies du procédé Lippmann. illus. (Société française de photographie. Bulletin, Paris, 1902, série 2, tome 18, p. 441-446.) **MFA**

507. Shepherd, E. Sanger. Colour photography at the London Camera Club. (Photographic news, London, Dec. 19, 1902, v. 46, p. 829-830.) **MFA**

1902, continued.

508. St. Photographie in natürlichen Farben auf Papier (Körperfarben). (Photographische Chronik, Halle a. S., July 6, 1902, Jahrg. 9, p. 347-349.) † MFA

Worel's process.

509. Thorpe's Methode der Photographie in natürlichen Farben. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1902, Halle a. S., 1902, Jahrg. 16, p. 229-237.) MFA

510. Three-colour photography. (British journal of photography, London, April 11, 1902, v. 49, p. 281-282.) MFA

Describes process of A. Miethe on Schelter and Giesecke plates.

511. Verrill's process for producing photographs in colors. (Wilson's photographic magazine, New York, April, 1902, v. 39, p. 124-127.) MFA

From an article in the *Chicago Chronicle*. Also in *British journal of photography*, London, May 2, 1902, v. 49, p. 349-350, MFA.

512. Vidal, Léon. Des pigments colorés théoriques et pratiques pour les impressions photo-trichromes. (Société française de photographie. Bulletin, Paris, 1902, série 2, tome 18, p. 200-208.) MFA

513. — A trichromatic carbon process. (British journal of photography, London, Dec. 19, 1902, v. 49, p. 1002-1003.) MFA

514. Wallace, Robert James. Color photography. illus. (Photo-miniature, New York, May, 1902, v. 4, p. 57-87.) MFA

Reviews older methods and gives details of superimposing of stained films.

515. Wallon, Étienne. Chromoscope à vision libre de M. Ducos du Hauron. illus. (Société française de photographie. Bulletin, Paris, 1902, série 2, tome 18, p. 115-118.) MFA

516. Worel, Karl. Photography in natural colours (body colours) on paper. (Photographic journal, London, July 31, 1902, new series, v. 26, p. 183.) MFA

517. Worel's experiments in colour photography. (British journal of photography, London, July 18, 1902, v. 49, p. 562.) MFA

1903

518. Adolf Miethe. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 211.) MFA

519. Another Miethe print. (British journal of photography, London, Feb. 6, 1903, v. 50, p. 102.) MFA

"This new plate is said to be about eight times as sensitive for green and red as the older plate and permits of equal exposures with Miethe's filters for the red and blue, and about one-half for the green."

520. Arthur von Hübl. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 207.) MFA

521. Baker, Thomas Thorne. Notes on the adaptation of light filters to plates for three-colour work. illus. (British journal of photography, London, Dec. 11, 1903, v. 50, p. 987-988.) MFA

522. Bosch, A. Photography in colors. illus. (Scientific American, New York, Sept. 12, 1903, v. 89, p. 185-186.) VA

Deals principally with the Miethe process.

Also printed in *British journal of photography*, London, Oct. 16, 1903, v. 50, p. 828-830, MFA.

523. Corke, H. Essenhig. Further experiments with the Thames plate. (British journal of photography, London, Dec. 4, 1903, v. 55, Colour photography supplement, p. 92-93.) MFA

524. Dalziel, Harvey. Three-colour printing. (Society of Arts. Journal, London, Feb. 20, 1903, v. 51, p. 292-299.) VA

Interesting comparison of chromo-lithography and modern three-colour printing.

Also printed in *British journal of photography*, London, March 13, 1903, v. 50, p. 205-208, MFA.

525. Dr. Miethe's three-color process. (Photo-era, Boston, April, 1903, v. 10, p. 138-140.) MFA

526. Donath, Bruno. Der Projektionsapparat der Urania für Dreifarbenphotographie. illus. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1903, Bd. 1, p. 94-97.) PLC

527. Edouard Valenta. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 215.) MFA

528. The First photo-colour swindle. (British journal of photography, London, March 6, 1903, v. 50, p. 184-185.) MFA

Caustic comments on the Hill process which was frequently referred to in the *Daguerreian journal of 1850-51*.

529. Florence. Die Farbenphotographie nach dem Dreifarbensystem. illus. (Photographische Chronik, Halle a. S., 1901, Jahrg. 8, p. 349-352, 399-401, 519-521, 643-645; 1902, Jahrg. 9, p. 105-108, 205-207, 320-322, 437-439, 657-659; 1903, Jahrg. 10, p. 118-120, 275-277.) MFA

530. Frederic Eugene Ives. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 213.) MFA

531. Gabriel Lippmann. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 213.) MFA

532. Gravier, Charles. Observations sur la chromophotographie. (Société française de photographie. Bulletin, Paris, 1903, série 2, tome 19, p. 221-223.) MFA

1903, continued.

533. Huebl, Arthur, Freiherr von. Untersuchungen über die Sensibilisierung durch Farbstoffe. (Jahrbuch für Photographie und Reproduktionstechnik für 1903, Halle a. S., 1903, Jahrg. 17, p. 128-131.) **MFA**
534. Josef Maria Eder. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 215.) **MFA**
535. Kaiserling, Carl. Three-colour photography. (British journal of photography, London, April 10, 1903, v. 50, p. 282.) **MFA**
536. Kauffmann, Hugo. Über den Ursprung der Farbe bei organischen Stoffen. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1903, Bd. 1, p. 60-71.) **PLC**
537. Louis Ducos du Hauron. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 213.) **MFA**
538. Miethe, Adolf. Light-filters for three-colour printing. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 214-218.) **MFA**
539. Natural colour portraiture. (British journal of photography, London, May 15, 1903, v. 50, p. 383-384.) **MFA**
A plea to professional photographers to experiment.
540. Neuhauss, Richard. Weitere Untersuchungen über Körperfarbenphotographie (Ausbleichverfahren). (Jahrbuch für Photographie und Reproduktionstechnik für 1903, Halle a. S., 1903, Jahrg. 17, p. 47-55.) **MFA**
541. Norman, Albert. Photomicrography in black and white and in colours. (Photographic journal, London, March 31, 1903, new series, v. 27, p. 68-73.) **MFA**
Experiments with Sanger Shepherd process.
542. Photography in colours. (British journal of photography, London, Feb. 13, 1903, v. 50, p. 121.) **MFA**
Miethe process.
543. Power, H. D'Arcy. Color photography. A brief resumé of what has been done and the future prospects of the process. (Camera craft, San Francisco, April, 1903, v. 6, p. 240-244.) **MFA**
544. — The Sanger Shepherd process of making color photographs. (Camera craft, San Francisco, Feb., 1903, v. 6, p. 169.) **MFA**
545. Pumphrey, Alfred. Colour photography on paper within the reach of all. (British journal of photography, London, 1903, v. 50, p. 176-177, 198-199, 218-219.) **MFA**
Uses a celluloid gelatine film. Attacks the Sanger Shepherd patent.
546. Sanger Shepherd & Co. Colour photography on paper. (British journal of photography, London, Jan. 23, 1903, v. 50, p. 71.) **MFA**
Abstract of booklet issued by the firm.
547. Shepherd, E. Sanger. Natural colour photography. (British journal of photography, London, Feb. 6, 1903, v. 50, p. 115.) **MFA**
Abstract of lecture.
548. Sir W. de W. Abney. port. (Photographic journal, London, Aug., 1903, new series, v. 27, p. 205.) **MFA**
549. Stolze, F. Dreifarben-Projektionsbilder und Dreifarbendruck. diags. (Photographische Chronik, Halle a. S., 1903, Jahrg. 10, p. 442-444, 455-457.) **MFA**
Miethe's process.
550. Talboys, Arthur E. Practical color photography. illus. (Camera craft, San Francisco, 1903, v. 6, p. 109-115, 141-144, 192-197.) **MFA**
Three-color work for amateurs.
551. Triplíce, pseud. Colour photography on paper. (British journal of photography, London, March 27, 1903, v. 50, p. 257.) **MFA**
Claims that the Sanger Shepherd patent process is not identical with that patented by Charles Cros in 1880.
552. Vidal, Léon. The Sanger-Shepherd colour process. (British journal of photography, London, Jan. 9, 1903, v. 50, p. 22-23.) **MFA**
553. Wall, Edward John. Colour photography on paper, etc. (British journal of photography, London, 1903, v. 50, p. 198, 236.) **MFA**
Comments on Mr. Alfred Pumphrey's paper in *British journal of photography* of Feb. 27, 1903.
554. — Trichromatic photography. (British journal of photography, London, Jan. 9, 1903, v. 50, p. 27-29.) **MFA**
A review of Hübl's *Die Dreifarbenphotographie*.
Also printed in *Camera craft*, San Francisco, March, 1903, v. 6, p. 208-210, *MFA*.
555. Worel, Karl. Direkte Photographie in natürlichen Farben (Körperfarben) auf Papier. (Jahrbuch für Photographie und Reproduktionstechnik für 1903, Halle a. S., 1903, Jahrg. 17, p. 68-70.) **MFA**
Also printed in *Photographische Chronik*, Halle a. S., Oct. 21, 1903, Jahrg. 10, p. 545-546, **MFA**.

556. Abney, Sir William de Wiveleslie. Some points connected with landscape three-colour photography. illus. (British journal of photography, London, Jan. 22, 1904, v. 51, p. 63-66.) **MFA**
Also printed in *Photographic journal*, London, March, 1904, new series, v. 28, p. 81-88, *MFA*.

1904, *continued.*

557. **Adolf Miethe.** port. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 449.) **MFA**

558. **Baker, Thomas Thorne.** The composite print in three-colour photography. (British journal of photography, London, Aug. 12, 1904, v. 51, p. 707.) **MFA**

559. — Some notes on three-colour work. illus. (British journal of photography, London, 1904, v. 51, p. 289-290, 342.) **MFA**
Author's experiments with dyes.

560. — Some peculiarities of dyes which produce total spectrum sensitiveness. (British journal of photography, London, Oct. 7, 1904, v. 51, p. 867-868.) **MFA**

561. **Brown, George Edward.** Dr. Miethe's methods of colour photography. (British journal of photography, London, June 10, 1904, v. 51, p. 489-491.) **MFA**

562. **Bull, A. J.** Some spectroscopic experiments with tricolour filters. (British journal of photography, London, May 13, 1904, v. 51, p. 391-393.) **MFA**

563. **Bull, A. J., and A. C. JOLLEY.** The functions of tricolour filters. illus. (British journal of photography, London, 1904, v. 51, p. 47-50, 70-71.) **MFA**

564. **Chapelain.** Sur un nouvel appareil de photochromie. (Société française de photographie. Bulletin, Paris, 1904, série 2, tome 20, p. 520-521.) **MFA**

3-negative process.

565. **Clerc, Louis Philippe.** Papier au charbon de M. Vaucamps pour le procédé trichrome. (Société française de photographie. Bulletin, Paris, 1904, série 2, tome 20, p. 86-88.) **MFA**

566. Erste internationale Ausstellung für Farbenphotographie in Paris. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 251-255.) **MFA**

Account of exhibits.

567. **Farmer, Howard, and GUY SYMMONS.** Irradiation in photography and its application to direct screen colour work. illus. (Photographic journal, London, Aug., 1904, new series, v. 28, p. 239-248.) **MFA**

568. **Fritsch, Gustav.** Die Retinaelemente und die Dreifarben-theorie. 19 p., 1 pl. (Koenigliche Akademie der Wissenschaften, Berlin. Abhandlungen, 1904: Anhang, Physikalische Abhandlung 2.) ***EE**

569. **Grun, Ernst.** Colour photography. (British journal of photography, London, Jan. 29, 1904, v. 51, p. 99.) **MFA**

Experiment with the Cooper-Hewitt mercury lamp and a red screen. "The undoubted fact remained that red light was produced direct from blue, or perhaps yellow, owing to change of wave length."

570. **Huebl, Arthur, Freiherr von.** A colour-sensitive collodion emulsion. (British journal of photography, London, Sept. 30, 1904, v. 51, p. 846.) **MFA**

571. — Die Farbenphotographie mit Hülfe des Ausbleichverfahrens. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 103-108.) **MFA**

572. **Jan Szczepanik.** (British journal of photography, London, 1904, v. 51, p. 21-22, 58-59.) **MFA**

An attack by Dr. Neuhauss and a defense by William Gamble.

573. **Jones, Chapman.** Developments of three-colour photographic processes. (Nature, London, 1904, v. 70, p. 553-555, 578-580.) **OA**

General article.

574. **Klein, Henry Oscar.** Eine originelle Dreifarbenmethode. (Jahrbuch für Photographie und Reproduktionstechnik für 1904, Halle a. S., 1904, Jahrg. 18, p. 175-177.) **MFA**

575. **Koenig, Ernst.** Über die Herstellung von Pinachrom-Badeplatten. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 116-117.) **MFA**

576. — Ueber die Lichtempfindlichkeit der Leukobasen organischer Farbstoffe und ihre Anwendung zur Herstellung photographischer Bilder. (Photographische Chronik, Halle a. S., Nov. 6, 1904, Jahrg. 11, p. 591-594.) **†MFA**

577. — Über ein neues Kopierverfahren für die Dreifarbenphotographie. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 521-525.) **MFA**

Experiments with paper at laboratory of Meister Lucius & Brüning.

578. — Ueber praktische Dreifarben-Photographie. (Photographische Kunst, München, 1903-04, Jahrg. 2, p. 1-14.) **†MFA**

579. — Weitere Untersuchungen in der Reihe der Cyaninfarbstoffe. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 108-116.) **MFA**

580. **Koenig's colour filters.** (British journal of photography, London, July 29, 1904, v. 51, p. 665.) **MFA**

581. **Kuchinka, Eduard.** Fortschritte und neue Verfahren auf dem Gebiete der Farbenphotographie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1904, Halle a. S., 1904, Jahrg. 18, p. 201-210.) **MFA**

Prieur & Dubois, Fraschbourg. Perscheid, Sanger-Shepherd, Lascelles-Davidson cameras; also Gürtner process.

1904, continued.

- ✓ 582. Lenses for trichromatic work. (British journal of photography, London, March 18, 1904, v. 51, p. 229.) MFA
583. Levy, Max. Screens for color work. (American annual of photography 1905, New York, 1904, p. 235-237.) MFA
584. The Lippmann process simplified. (British journal of photography, London, Nov. 18, 1904, v. 51, p. 990.) MFA
M. Rothé overcomes the necessity of the mercury dark slide.
585. Loebel, Leopold. Un nouveau procédé de tirage trichrome par l'emploi des leucobases. (Photo-gazette, Paris, Nov. 25, 1904, année 15, p. 13-16.) MFA
586. Lumière, Auguste, and LOUIS LUMIÈRE. A new method for the production of photographs in colours. (Photographic journal, London, July, 1904, new series, v. 28, p. 226-228.) MFA
Announcement of the Autochrome process.
Also printed in *British journal of photography*, London, July 8, 1904, v. 51, p. 605, MFA, and *Camera craft*, San Francisco, Oct., 1904, p. 212, MFA.
587. — Sur une nouvelle méthode d'obtention de photographies en couleurs. (Académie des sciences. Comptes rendus, Paris, 1904, tome 138, p. 1337-1338.) *EO
Also printed in *Société française de photographie. Bulletin*, Paris, 1904, série 2, tome 20, p. 333-334, MFA.
588. — Vorläufige Mitteilung über ein neues Verfahren der Farbenphotographie. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 286-287.) MFA
589. Meister Lucius & Brüning. Portraitstudie. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, opp. p. 210.) MFA
Sample of work with Pinachrome plates back of filters made by above firm.
590. Miethe, Adolf. The composition of colour-filters for the production of portraits in natural colours. (British journal of photography, London, May 27, 1904, v. 51, p. 432-435.) MFA
591. — Dreifarbenphotographie nach der Natur; nach den am photochemischen Laboratorium der technischen Hochschule zu Berlin angewandten Methoden. Halle a. S.: W. Knapp, 1904. 80 p., 1 pl. 8°. (Encyklopädie der Photographie. Heft 50.) MFV
592. — Dreifarbenphotographien auf Papier. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 286-287.) MFA
Formula for his process.
593. — Mitteilung über ein neues Verfahren der Farbenphotographie von August und Louis Lumière. (Photographische Chronik, Halle a. S., Oct. 30, 1904, Jahrg. 11, p. 576-578.) †MFA
Autochrome process.
594. — Zu dem Urteil des Herrn Professor Bruno Meyer über Naturfarben-Photographien. (Photographische Chronik, Halle a. S., Dec. 21, 1904, Jahrg. 11, p. 681-683.) †MFA
595. Monpillard, Félix. Les couleurs chimiquement pures de la maison Lucius et Brüning. (Société française de photographie. Bulletin, Paris, 1904, série 2, tome 20, p. 319-323.) MFA
596. Neuhauss, Richard. Ausbleichverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1904, Halle a. S., 1904, Jahrg. 18, p. 62-65.) MFA
597. New colour sensitizers. (British journal of photography, London, April 15, 1904, v. 51, p. 306-307.) MFA
Directions for using Pinachrom sensitiser.
598. Newton, A. J., and A. J. BULL. The practical testing of tri-colour filters. (Photographic journal, London, Oct., 1904, new series, v. 28, p. 263-273.) MFA
Illustrations in color.
599. Pfaundler, Leopold. Ueber die Zenerschen Streifen in nach Lippmanns Verfahren hergestellten Photographieen sich überdeckender Spektra und ihre Bedeutung für die Leistungsfähigkeit dieses Verfahrens bei gemischten Farben. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1904, Halle a. S., 1904, Jahrg. 18, p. 229-233.) MFA
600. Power, H. D'Arcy. Worel's direct color photography. (Camera craft, San Francisco, Feb., 1904, v. 8, p. 124.) MFA
601. Precht, J. Dreifarbenprojektionsapparat. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1904, Bd. 2, p. 407-410.) PLC
602. — Einrichtung für Dreifarbenprojektion. illus. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1904, Bd. 2, p. 60-63.) PLC
603. Precht, J., and ERICH STENGER. Aus der Praxis der Dreifarbenphotographie. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1904, Bd. 2, p. 410-413.) PLC
604. R., H. Photographie directe des couleurs sans appareil spécial. (Photo-gazette, Paris, Nov. 25, 1904, année 15, p. 3-5.) MFA
E. Rothé's adaptation of Lippmann process.
605. Rheinberg, Julius. A suggested plan for photography in colours, without the use of colour screens. illus. (British journal of photography, London, Jan. 1, 1904, v. 51, p. 7-8.) MFA
Substitutes the artificial color screen of the Joly process with real spectra.

1904, continued.

606. Rothé, E. Photographies en couleurs obtenues par la méthode interférentielle sans miroir de mercure. (Académie des sciences. Comptes rendus, Paris, 1904, tome 139, p. 565-567.) * EO

Also printed in Société française de photographie. *Bulletin*, Paris, 1904, série 2, tome 20, p. 548-550, MFA.

607. Saint Florent, E. de. Note sur un procédé de photographie en couleurs au moyen du sous-chlorure d'argent. (Société française de photographie. *Bulletin*, Paris, 1904, série 2, tome 20, p. 351-352.) MFA

608. Satori, Karl. Einige Untersuchungen von panchromatischen Platten für Dreifarbendruck. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 224-226.) MFA

609. Selle, Gustav. Diaphragms for three-colour photography. (British journal of photography, London, April 29, 1904, v. 51, p. 347.) MFA

Brief reference to his patent.

610. Senior, Edgar. Colour sensitometers. illus. (British journal of photography, London, June 10, 1904, v. 51, p. 504-506.) MFA

Has portrait of the author.

611. South, C. W. [The solgram.] (British journal of photography, London, Dec. 16, 1904, v. 51, p. 1063.) MFA

612. Szczepanik, Jan. [Process of colour photography.] (British journal of photography, London, Feb. 19, 1904, v. 51, p. 142.) MFA

613. Three-colour photography. (British journal of photography, London, March 18, 1904, v. 51, p. 221-222.) MFA

Pinachrom sensitizer for red rays. Also German-English patent for securing accurate registration of superimposed images.

614. Traube, Artur. Lichtechte Farbenphotographie. (Photographische Chronik, Halle a. S., Dec. 14, 1904, Jahrg. 11, p. 668-669.) † MFA

Reichel process.

615. Valenta, Eduard. Über das Sensibilisieren von Kollodionemulsion für die Zwecke des Dreifarbendruckes. Äthylviolett als Sensibilisator für Bromsilbergelatine-Trockenplatten. (Photographische Korrespondenz, Wien, 1904, Jahrg. 41, p. 125-128.) MFA

616. Wall, Edward John. Dr. Koenig's colour process. (British journal of photography, London, Oct. 14, 1904, v. 51, p. 886-887.) MFA

617. — Elementary three-colour work. (British journal of photography, London, 1904, v. 51, p. 666-667, 684-685.) MFA

618. — Light filters for trichromatic photography. (British journal of photography, London, March 11, 1904, v. 51, p. 208.) MFA

A translated abstract of article by E. König in *Photographische Mitteilungen*.

619. — Some notes on three-colour work. (British journal of photography, London, 1904, v. 51, p. 321, 362.) MFA

Disputes T. Thorne Baker's statements on sensitizers.

620. Wall, E. J. port. (British journal of photography, London, June 10, 1904, v. 51, p. 494.) MFA

621. Wallon, Étienne. Photographie des couleurs. (Photo-gazette, Paris, Sept. 25, 1904, année 14, p. 205-211.) MFA

Autochrome process.

622. Waterhouse, James. Experiences with red sensitizers. illus. (Photographic journal, London, June, 1904, new series, v. 28, p. 165-171.) MFA

623. Weidert, Fr. The latest in color photography. (Photo-era, Boston, Sept., 1904, v. 13, p. 165-166.) MFA

Slavik process.

624. Wood, Robert Williams. Recent improvements in the diffraction process of colour-photography. illus. (Nature, London, Oct. 20, 1904, v. 70, p. 614-616.) OA

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625. Aarland, G. Three-colour photography. (Photographic journal, London, May, 1905, new series, v. 29, p. 172-176.) MFA

Abstract in *British journal of photography*, London, April 14, 1905, v. 52, p. 295, MFA.

626. Abney, Sir William de Wiveleslie. Three-colour work. (British journal of photography, London, Dec. 8, 1905, v. 52, p. 975.) MFA

Abstract of paper read before the Royal Photographic Society.

627. — Why not take three-colour photographs? (Photographic journal, London, Aug., 1905, new series, v. 29, p. 280-281.) MFA

Recommends Sanger Shepherd camera to amateurs.

628. Acland, Sarah A. A visit to Gibraltar. (British journal of photography, London, June 9, 1905, v. 52, p. 456.) MFA

"The bulk of the illustrations were three-colour slides by the Sanger Shepherd process, and it is no exaggeration to refer to Miss Acland's work as the finest which has ever been publicly shown."

1905, continued.

629. The **Angle** of three-colour screens. (British journal of photography, London, Feb. 3, 1905, v. 52, p. 90-91.) **MFA**
630. Another process of color photography. (Camera craft, San Francisco, March, 1905, v. 10, p. 167-168.) **MFA**
Process of Rudolph Isenmann.
631. **Baker, Thomas Thorne.** Spectroscopic photography in colour. illus. (Photographic journal, London, Jan.-Feb., 1905, new series, v. 29, p. 24-28.) **MFA**
Abstract in *British journal of photography*, London, Jan. 13, 1905, v. 52, p. 31, **MFA**.
632. **Barker, Johnson.** Colour photography on paper. (British journal of photography, London, Dec. 1, 1905, v. 52, p. 946-947.) **MFA**
Abstract. Superimposes yellow and red images on a ferro-prussiate base. Detailed description.
633. **Beckers, Fritz.** Ueber Dreifarben-photographie. (Photographische Kunst, München, 1904-05, Jahrg. 3, p. 108-112.) **MFA**
Pinachrome process. †
634. **Bull, A. J.** The principles of trichromatic photography. (British journal of photography, London, 1905, v. 52, p. 447-449, 467.) **MFA**
Paper read before the Optical convention. Covers color-mixture curves, theories, negative records intended to follow curves, relation of ordinary colors and monochromatic colors as regards their reproduction, fundamental requirements of the reproduction colors, and the mutual adjustment of filter records and reproduction colors.
635. **Butler, Edwin T.** Tricolour photography by means of a single exposure camera and a simple method of printing. illus. (Photographic journal, London, June, 1905, new series, v. 29, p. 199-204.) **MFA**
Brief abstract in *British journal of photography*, London, May 12, 1905, v. 52, p. 375, **MFA**.
With discussion.
636. **Calmels, H., and L. P. CLERC.** Sur l'accroissement de sensibilité de quelques mixtions bichromatées sous l'influence de diverses matières colorantes. (Société française de photographie. Bulletin, Paris, 1905, série 2, tome 21, p. 377-379.) **MFA**
637. **Colorprinte.** (Camera craft, San Francisco, 1905, v. 10, p. 295-296, 379.) **MFA**
Invented by Dr. von Slavik, perfected by Dr. Adolf Heseckiel.
638. **Colour photography mysteries.** (British journal of photography, London, Nov. 17, 1905, v. 52, p. 902.) **MFA**
Criticism of Solgram process.
639. **Davidson, Lascelles.** The latest one-plate colour process. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1030.) **MFA**
Bleaches a carbon print carrying proper monochrome color densities.
640. **Dillaye, Frédéric.** Le procédé trichrome et sa mise à la portée de tous. (In his: Les nouveautés photographiques 1904-1905. Paris, 1905. 8°. p. 282-298.) **MFA**
Cros and Ducos du Hauron processes.
641. **Direct three-colour negatives on dry plates.** (British journal of photography, London, May 12, 1905, v. 52, p. 368.) **MFA**
Loewenstamm and Hoffert experiments.
642. **Dr. Miethe's colour photography in London.** illus. (British journal of photography, London, 1905, v. 52, p. 268-269, 302, 311.) **MFA**
Brief description and photograph of the projection apparatus. The titles of the above articles vary.
643. **Dr. Smith's three-colour plates.** (British journal of photography, London, May 5, 1905, v. 52, p. 355.) **MFA**
644. **Eder, Josef Maria.** Geschichte der Photographie. Dritte gänzlich umgearbeitete und vermehrte Auflage. Halle a. S.: Wilhelm Knapp, 1905. 2 p.l., (i)vi-xvi, 484 p. illus. 8°. (Ausführliches Handbuch der Photographie. Bd. 1, Teil 1.) **MFC**
See chapters 14, 46-47. Numerous references to early experiments concerning the effects of light upon chemicals.
645. — Orthochromatische Wirkung einer gefärbten Unterlage auf Bromsilbergelatine. Sensibilisierende Wirkung von Farbstoffen der Kongorot-Reihe. (Photographische Korrespondenz, Wien, 1905, Jahrg. 42, p. 311-315.) **MFA**
646. **Farmer, Howard.** A criticism of three-colour photography. (British journal of photography, London, 1905, v. 52, p. 849-850, 868-870.) **MFA**
Abstract. "An indictment of three-colour photographic processes, so far as they are intended for commercial use by professional photographers."
647. **Freshwater, T. E.** Recent improvements in the diffraction process of colour photography. (Photographic journal, London, Jan.-Feb., 1905, new series, v. 29, p. 3-6.) **MFA**
648. **Gamble, William.** Cameras and other apparatus for three-colour work. (Photographic journal, London, April, 1905, new series, v. 29, p. 150-157.) **MFA**
Abstract in *British journal of photography*, London, March 31, 1905, v. 52, p. 256, **MFA**.
649. **Gilles, E.** Magasin pour procédé trichrome, pouvant se placer d'une façon mobile sur des chambres ordinaires. (Société française de photographie. Bulletin. Paris, 1905, série 2, tome 21, p. 487-488.) **MFA**
650. **Gruen, Edward F.** Three-colour prints. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1030-1031.) **MFA**
"The gelatine surface of the ordinary lantern slide, bromide opal, or bromide paper is capable of receiving three printings in successive colors."

1905, *continued.*

651. Hansen, Fritz. Ein Freilicht-Atelier für Farbenphotographie. (Photographische Chronik, Halle a. S., Aug. 13, 1905, Jahrg. 12, p. 418-419.) † MFA
652. Husnik, Jaroslav. Ueber Dreifarben-Naturaufnahmen. (Jahrbuch für Photographie und Reproduktionstechnik für 1905, Halle a. S., 1905, Jahrg. 19, p. 222-225.) MFA
Von Hübl's process.
653. Jones, Chapman. The influence of gradation on colour reproduction. (British journal of photography, London, Jan. 6, 1905, v. 52, p. 13.) MFA
From *Penrose's process year-book*, 1904-05.
654. Kieser, Karl. Über die sensibillierenden Eigenschaften einiger Farbstoffe einer neuen Farbstoffklasse. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1905, Bd. 3, p. 6-15.) PLC
655. Klein, Henry Oscar. Colour photography with pigment films. (British journal of photography, London, Sept. 29, 1905, v. 52, p. 768-769.) MFA
Detailed instructions.
656. Koenig, Ernst. Colour photography on paper. (British journal of photography, London, March 10, 1905, v. 52, p. 182.) MFA
Pinatype process.
657. — Pinachromy, concerning the light sensitiveness of the leukobases of organic dyestuffs and their application to the production of photographic pictures. (Photo-era, Boston, Feb., 1905, v. 14, p. 46-52.) MFA
658. — The practice of three-colour work. (British journal of photography, London, Dec. 8, 1905, v. 52, p. 964-965.) MFA
Describes making of filters and the use of pinacyanol.
659. Kuemmell, G. The bleaching out process of colour photography. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1021.) MFA
660. Lehmann, Johannes Moritz. Zum Problem der Mischfarbenphotographie mittels stehender Lichtwellen. illus. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1905, Bd. 3, p. 165-172.) PLC
Abstract in *Photographic journal*, London, July, 1905, new series, v. 29, p. 270-271, MFA, and *Photographische Chronik*, Halle a. S., Aug. 9, 1905, Jahrg. 12, p. 413-415, †MFA.
661. Lippmann, Gabriel. La photographie des couleurs sur plaques sensibilisées aux sels de chrome. (Photo-gazette, Paris, Nov. 25, 1905, année 16, p. 8-9.) MFA
Use of chromium salts in Lippmann process.
662. — Photographies en couleurs du spectre negatives par transmission. (Académie des sciences. Comptes rendus, Paris, June 5, 1905, tome 140, p. 1508-1509.) * EO
Abstract in *Photographic journal*, London, July, 1905, new series, v. 29, p. 271, MFA.
663. — Photographs in colours from negatives by the Lippmann process. (British journal of photography, London, June 30, 1905, v. 52, p. 505.) MFA
Translation of paper read before the Paris Academy of Sciences.
Also printed in *Camera craft*, San Francisco, Sept., 1905, p. 133, MFA.
664. Loebel, Leopold. Plaques panchromatiques. Écrans colorés. Négatifs trichromes. illus. (Photo-gazette, Paris, 1905, année 15, p. 55-58, 76-79, 96-98.) MFA
Directions for amateurs.
665. Lumière, Auguste, and LOUIS LUMIÈRE. Mitteilung über ein neues Verfahren der Farbenphotographie. (Photographische Kunst, München, 1904-05, Jahrg. 3, p. 337-339.) † MFA
Autochrome process.
666. Lumière, A., & ses Fils. Sensitized plates for colour photography. (British journal of photography, London, Jan. 6, 1905, v. 52, p. 10.) MFA
Abstract of their English patent no. 22, 988, 1904, for plates prepared with starch grains.
667. Maldiney. La photographie des couleurs. État présent de la question. illus. (Société d'émulation du Doubs. Mémoires, Besançon, 1905, série 7, v. 8, p. 177-197.) * EN
668. Mareschal, G. Ou en est la photographie des couleurs? (Photo-gazette, Paris, Dec. 25, 1905, année 16, p. 21-23.) MFA
669. Monpillard, Félix. The accurate production of selective colour filters. (British journal of photography, London, July 28, 1905, v. 52, p. 587.) MFA
670. — Études et recherches sur les écrans colorés. (Société française de photographie. Bulletin, Paris, 1905, série 2, tome 21, p. 364-372.) MFA
671. — La Pinatype, de la Farbwerke vorm Meister Lucius und Brüning. (Société française de photographie. Bulletin, Paris, 1905, série 2, tome 21, p. 302-308.) MFA
672. Namias, Rodolfo. Quelques observations sur la trichromie industrielle. (Société française de photographie. Bulletin, Paris, 1905, série 2, tome 21, p. 44-48.) MFA

1905, continued.

673. **Neue Verbesserungen im Diffraktionsprozess auf dem Gebiete der Farbenphotographie.** (Jahrbuch für Photographie und Reproduktionstechnik für 1905, Halle a. S., 1905, Jahrg. 19, p. 213-217.) **MFA**
Wood and Joly processes.

674. **Ein Neuer Dreifarben-Projektionsapparat.** (Photographische Chronik, Halle a. S., Jan. 1, 1905, Jahrg. 12, p. 9-11.)
† **MFA**

Miethé-Goerz apparatus.
Also printed in *Photographische Korrespondenz*, Wien, 1905, Jahrg. 42, p. 21-22, **MFA**.

675. **Neuhauss, Richard.** Ausbleichverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1905, Halle a. S., 1905, Jahrg. 19, p. 51-54.) **MFA**
Abstract in *British journal of photography*, London, May 2, 1905, v. 52, p. 367, **MFA**.

676. **Obermayer, Albert, Edler von.** Die Zenkerschen Blättchen und die Zenkerschen Streifen in Farbenphotographien nach Lippmann. (Photographische Korrespondenz, Wien, 1905, Jahrg. 42, p. 493-500, 564-568.) **MFA**

677. **Payne, Arthur.** Plates, filters, and inks: their relative importance in three-colour work. (British journal of photography, London, Jan. 6, 1905, v. 52, p. 13-14.) **MFA**

678. **The Pinatype process of colour photography.** (British journal of photography, London, Sept. 22, 1905, v. 52, p. 749-751.) **MFA**
Directions from the handbook issued by Meister Lucius and Brüning. For a discussion see *British journal of photography*, Oct. 13, 1905, v. 52, p. 816.

679. **Powrie, John H.** Practical heliography for professional and amateur. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1029-1030.) **MFA**
Use of Powrie-Warner plates in adaptation of Joly-McDonough process.

680. **Precht, J., and ERICH STENGER.** Über die chemische Farbenhelligkeit des Tageslichts. (Zeitschrift für wissenschaftliche Photographie, Photophysik, und Photochemie, Leipzig, 1905, Bd. 3, p. 27-39.) **MFA**
Translation in *British journal of photography*, London, March 24, 1905, v. 52, p. 226-227, **MFA**.

681. **Reising, H.** Ein neuer Dreifarbenprojektionsapparat. illus. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1905, Bd. 3, p. 40-43.) **PLC**
Miethé's apparatus.

682. **Rothé, E.** Nouvelles recherches sur la photographie des couleurs. (Université de Grenoble. Annales, Paris, 1905, v. 17, p. 511-523.) *** EN**

683. **Schinzel, Karl.** One-plate colour photography. (British journal of photography, London, Aug. 4, 1905, v. 52, p. 608-609.) **MFA**

684. **Schmidt, Hans.** Three-colour negatives. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1025-1026.) **MFA**

685. — Über Farbenphotographie mit besonderer Berücksichtigung des Systems N. P. G. (Photographische Korrespondenz, Wien, 1905, Jahrg. 42, p. 518-522, 568-572.) **MFA**

686. **Spoerl, Hans.** Reichels Dreifarbenverfahren. (Photographische Kunst, München, 1904-05, Jahrg. 3, p. 393-396.) † **MFA**

687. **Stenger, Erich.** Some notes on three-colour work. (British journal of photography, London, Sept. 8, 1905, v. 52, p. 710-711.) **MFA**

688. — Trichromatic work on ordinary plates. (British journal of photography, London, June 30, 1905, v. 52, p. 514.) **MFA**

689. — Ueber das Abstimmen der Lichtfilter für Dreifarbenphotographie. (Photographische Chronik, Halle a. S., Dec. 6, 1905, Jahrg. 12, p. 625-629.) † **MFA**

690. **Stolze, F.** Ueber die Möglichkeit der Dreifarbenphotographie durch eine einzige Aufnahme. (Photographische Chronik, Halle a. S., 1905, Jahrg. 12, p. 528-531, 541-543.) † **MFA**

691. **Three-colour direct on dry plates.** (British journal of photography, London, May 19, 1905, v. 52, p. 391.) **MFA**
Homocel sensitizer for bathing plates during warm weather.

692. **Three-colour portraiture from the commercial standpoint.** (British journal of photography, London, Sept. 15, 1905, v. 52, p. 723-724.) **MFA**

693. **Townsend, C. F.** Color photography and the dark-room. (Camera & dark-room, New York, Sept., 1905, v. 8, p. 279-281.) **MFA**

694. **Traube, Artur.** Farbenphotographie. (Photographische Chronik, Halle a. S., July 9, 1905, Jahrg. 12, p. 358.) † **MFA**
J. H. Smith & Co. process.

695. **Worel, Karl.** Forschungen auf dem Gebiete der Farbenphotographie. (Jahrbuch für Photographie und Reproduktionstechnik für 1905, Halle a. S., 1905, Jahrg. 19, p. 7-10.) **MFA**

696. **Zander, C. G.** The complementary colour reproduction process. (British journal of photography, London, Dec. 29, 1905, v. 52, p. 1028-1029.) **MFA**
Zander process.

1906

697. "Allochrome" and "Panchromatic" plates. (British journal of photography, London, Sept. 14, 1906, v. 53, p. 737.) **MFA**
Plates made by Wratten & Wainwright, Croydon, England.
698. Baker, Thomas Thorne. Das Rotfilter im Dreifarbenprozess. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 167-168.) **MFA**
Also printed in *British journal of photography*, London, April 20, 1906, v. 53, p. 310-311, *MFA*.
699. — Spectro-photography and the making of light filters, including controlling methods by the Abney colour disc. (British journal of photography, London, May 18, 1906, v. 53, p. 396.) **MFA**
700. Belin, Édouard. Méthode spectro-sensitométrique. illus. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. *25-*32.) **MFA**
Also printed in *British journal of photography*, London, Aug. 10, 1906, v. 53, p. 630-632, *MFA*.
701. Boardman, F. R. Artificial light in colour portraiture. (British journal of photography, London, May 18, 1906, v. 53, p. 397-398.) **MFA**
Boardman arc lamps adopted by the Rotary Photographic Company.
702. Braham, A. C. Autotype trichrome tissues. (Photographic journal, London, May, 1906, new series, v. 30, p. 178-181.) **MFA**
703. — Trichrome carbon printing. (British journal of photography, London, July 20, 1906, v. 53, p. 566.) **MFA**
Detailed instructions.
704. Butler, Edwin T. Colour photography. (British journal of photography, London, 1906, v. 53, p. 158, 197.) **MFA**
States that after long experiment he has succeeded in securing in his camera three-colour negatives of equal size.
705. — A colour-photography society. (British journal of photography, London, March 16, 1906, v. 53, p. 219.) **MFA**
Suggests organization of a society.
706. — Tri-colour work with a single exposure camera. (British journal of photography, London, Feb. 23, 1906, v. 53, p. 145-146.) **MFA**
Describes his own process.
707. Chéron, André. La photographie des couleurs par dispersion spectrale prismatique. illus. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 36-41.) **MFA**
Also printed in *La Nature*, Paris, 1906, année 34, semestre 2, p. 401-403, *OA*, and in *British journal of photography*, London, Nov. 16, 1906, v. 53, p. 904-907, *MFA*.
708. Cinematography in colours. (British journal of photography, London, July 27, 1906, v. 53, p. 584.) **MFA**
709. Colour photography. (Photographic news, London, 1906, v. 50, p. 976, 1020, 1040.) **MFA**
Lippmann process. Filters.
710. Colour photography without filters at one exposure. (British journal of photography, London, Feb. 2, 1906, v. 53, p. 87-88.) **MFA**
Drac process.
711. Comley, Henry J. Proposed society of colour photographers. (British journal of photography, London, 1906, v. 53, p. 558-559, 599.) **MFA**
712. Coustet, Ernest. L'invention du procédé trichrome par éléments juxtaposés. (Photo-gazette, Paris, March 25, 1906, année 16, p. 87-92.) **MFA**
713. — Photographie des couleurs par décoloration. (Photo-gazette, Paris, July 25, 1906, année 16, p. 166-172.) **MFA**
Bleachout process.
714. Dark room illumination for working red sensitive collodion emulsion. (British journal of photography, London, July 27, 1906, v. 53, p. 592-593.) **MFA**
715. Day, T. Cuthbert. Colour and colour photography. (Photographic news, London, Feb. 16, 1906, v. 50, p. 128.) **MFA**
Resumé of theory and practice.
716. Donath, Bruno. Die Grundlagen der Farbenphotographie. Braunschweig: F. Vieweg und Sohn, 1906. viii, 166 p., 2 pl. illus. 8°. (Die Wissenschaft. No. 14.) **MFV**
Reviewed in *British journal of photography*, London, May 25, 1906, v. 53, p. 412, *MFA*.
717. Eder, Josef Maria. Trichromie und Tetrachromie. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 477-478.) **MFA**
718. Farmer, Howard. The exhibition of colour photography. (British journal of photography, London, March 9, 1906, v. 53, p. 198.) **MFA**
A plea to keep the London exhibition intact.
719. Geisler, Louis. La photographie en couleurs. (Photo-gazette, Paris, 1906, année 16, p. 230-231; année 17, 1906, p. 4-7, 26-28, 69-72.) **MFA**
Nacht-Geisler process.
720. — Three-colour screens and inks. (British journal of photography, London, Aug. 24, 1906, v. 53, p. 667-669.) **MFA**

1906, continued.

721. Gravier, Charles. Méthode d'impression en couleurs la quadrichromie Zander. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. 273-274.) **MFA**

722. Grothuss, Theodor, Freiherr von. Abhandlungen über Elektrizität und Licht. Hrsg. von R. Luther und A. v. Oettingen. Leipzig: Wilhelm Engelmann, 1906. 198 p., 1 l., 1 port. 12°. (Ostwald's Klassiker der exakten Wissenschaften. No. 152.) **OAC**

During the early part of the nineteenth century Grothuss made researches upon the nature of colored light. See p. 100 et seq in above volume.

723. Gruen, Edward F. Colour photography. (British journal of photography, London, Feb. 2, 1906, v. 53, p. 97-98.) **MFA**

Criticizes E. J. Wall's account of the London exhibition.

724. Haberkorn, Fritz. Eine Kamera für Dreifarbenaufnahmen nach der Natur. illus. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 430-432.) **MFA**

725. Heicke, Richard. Direct enlargements in monochrome and three-colour in gum bichromate. (British journal of photography, London, April 20, 1906, v. 53, p. 305-307.) **MFA**

726. Huebl, Arthur, Freiherr von. The absorption and sensitizing spectrum of the cyanins. illus. (Photographic journal, London, March, 1906, new series, v. 30, p. 133-137.) **MFA**

From Eder's *Jahrbuch*, 1905.

727. — The basis of three-colour photography. illus. (British journal of photography, London, 1906, v. 53, p. 489-491, 627-629, 693-695.) **MFA**

"It ought to be clear that the Young-Helmholtz theory of colour vision possesses no importance, for the theory of three-colour photography, and that it is therefore not correct to identify the physiological fundamental colours with those of three-colour photography."

728. — Ein Beitrag zur Photographie farbiger Gegenstände. illus. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 157-167.) **MFA**

Good article on color sensitizing, with a colored plate.

729. — Red sensitive plates. illus. (British journal of photography, London, Feb. 23, 1906, v. 53, p. 147-148.) **MFA**

730. — The "Uto" bleach-out process of colour photography. (British journal of photography, London, Oct. 5, 1906, v. 53, p. 787-788.) **MFA**

Describes his experiences with paper prepared by Dr. J. H. Smith & Co., Zürich.

731. Ives, Herbert Eugene. Improvements in the diffraction process of color photog-

raphy. (Franklin Institute. Journal, Philadelphia, 1906, v. 161, p. 439-449.) **VA**

Invention of R. W. Wood of Johns Hopkins University in 1899.

Also printed in *Physical review*, New York, June, 1906, v. 22, p. 339-344, *PAA*; *Photo-eva*, Boston, Nov., 1906, v. 17, p. 285-295, *MFA*, and *British journal of photography*, London, Aug. 3, 1906, v. 53, p. 609-612, *MFA*.

732. Koenig, Ernst. Further applications of pinatype. (British journal of photography, London, March 30, 1906, v. 53, p. 246.) **MFA**

733. — Natural-color photography... Translated from the German, with additions, original tests and experiments, etc., by E. J. Wall... With color-chart, test-results, and diagrams. London: Dawbarn & Ward, Ltd. [1906.] 94 p. illus. 8°. **MFV**
Reviewed in *British journal of photography*, London, July 13, 1906, v. 53, p. 556, *MFA*.

734. Kunstlicht und Farbenphotographie. (Photographische Chronik, Halle a. S., Feb. 14, 1906, Jahrg. 13, p. 89-90.) † **MFA**
Jupiter lamp.

735. Légier, Alphonse. Le "photochrome" de la Société du photochrome. illus. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. 184-186.) **MFA**
Apparatus for exposing three plates.

736. Lehmann, Johannes Moritz. Beiträge zur Theorie und Praxis der direkten Farbenphotographie mittels stehender Lichtwellen nach Lippmanns Methode... Freiburg i. Br.: C. Trömer, 1906. iv, 89 p. tables. illus. 8°. **MFV p.v.54, no.5**
Reviewed in *British journal of photography*, London, Nov. 30, 1906, v. 53, p. 946-947, *MFA*.

737. — Neue Untersuchungen über Lippmann-Photographie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1906, Halle a. S., 1906, Jahrg. 20, p. 49-53.) **MFA**

738. Lippmann, Gabriel. Des divers principes sur lesquels on peut fonder la photographie directe des couleurs. Photographie directe des couleurs fondée sur la dispersion prismatique. (Académie des sciences. Comptes rendus, Paris, July 30, 1906, tome 143, p. 270-274.) * **EO**

Translation in *British journal of photography*, London, Aug. 17, 1906, v. 53, p. 644-645, *MFA*. Abstract in *Nature*, London, Aug. 30, 1906, v. 74, p. 459, *OA*.

739. — La photographie des couleurs sur plaques sensibilisées aux sels de chrome. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. 287-288.) **MFA**

740. A Lumière one-lens one-exposure camera. illus. (British journal of photography, London, March 9, 1906, v. 53, p. 191.) **MFA**
Abstract of patent.

1906, continued.

741. Mareschal, G. La pinotypie. (Photogazette, Paris, March 25, 1906, année 16, p. 96-97.) **MFA**

742. Mees, Charles Edward Kenneth. Three-colour at the Croydon Camera Club. (British journal of photography, London, May 4, 1906, v. 53, p. 349-350.) **MFA**

Discusses filters, spectrum tests of filters, and screens for general work.

743. Mees, Charles Edward Kenneth, and S. E. SHEPPARD. The estimation of the colour-sensitiveness of plates. illus. (Photographic journal, London, March, 1906, new series, v. 30, p. 110-131.) **MFA**

744. Monpillard, Félix. Essai d'étalonnage des écrans colorés. illus. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. 231-240.) **MFA**

745. — Essais du pinacyanol et de la dicyanide des Farbwerke vorm Meister Lucius et Brüning de Höchst-sur-Mein. (Société française de photographie. Bulletin, Paris, 1906, série 2, tome 22, p. 132-143.) **MFA**

Abstract in *Photographic journal*, London, June, 1906, new series, v. 30, p. 260-261, *MFA*.

746. Neame, S. E. The possibility of portraiture in colour. (British journal of photography, London, 1906, v. 53, p. 259, 278.) **MFA**

Demonstrates Sanger Shepherd process. Abstract and comment in *Photographic news*, London, 1906, v. 50, p. 253, 271, 316, *MFA*.

747. Neuhauss, Richard. Ausbleichverfahren. (Jahrbuch für Photographie und Reproduktionstechnik für 1906, Halle a. S., 1906, Jahrg. 20, p. 11-14.) **MFA**

748. A New three-colour printing process. (British journal of photography, London, Nov. 30, 1906, v. 53, p. 944-945.) **MFA**
Invention of Dr. Traube of Berlin.

749. Newton, A. J. Pigments for three-colour processes. illus. (British journal of photography, London, May 25, 1906, v. 53, p. 406-408.) **MFA**

750. — Three-colour photography. (British journal of photography, London, Nov. 16, 1906, v. 53, p. 910-911.) **MFA**

751. — Three-colour process work. (British journal of photography, London, March 30, 1906, v. 53, p. 248-249.) **MFA**

752. Norman, Albert. (The Sanger Shepherd process.) (British journal of photography, London, May 11, 1906, v. 53, p. 374.) **MFA**

Demonstration of making transparencies before the Royal Photographic Society.

753. Novak, Franz. Rapidlichtfilter für Dreifarbenphotographie. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 285-287.) **MFA**

Also printed in *British journal of photography*, London, June 29, 1906, v. 53, p. 505, *MFA*.

754. Ozobrome and three-colour work. (British journal of photography, London, July 27, 1906, v. 53, p. 581.) **MFA**

755. Pector, S. Léon Vidal. port. (Société française de photographie. Bulletin, Paris, 1906, tome 22, p. 457-459.) **MFA**
Obituary notice.

756. Pfaundler, Leopold. Die Young-Helmholtzsche Farbentheorie und die Dreifarbenphotographie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1906, Halle a. S., 1906, Jahrg. 20, p. 53-58.) **MFA**

757. Pfenninger, Otto. Colour photography. (British journal of photography, London, 1906, v. 53, p. 139, 178-179.) **MFA**

Comments on the Jumeaux process.
Traces patent history of reflector cameras. For criticisms of E. T. Butler and E. J. Wall, see above publication March 9, 1906, v. 53, p. 197.

758. — Trichromatic one-exposure cameras. illus. (Photographic news, London, April 20, 1906, v. 50, p. 308-309.) **MFA**
Has list of patents.

759. Professional colour photography. illus. (British journal of photography, London, 1906, v. 53, p. 366-368, 391, 419, 438.) **MFA**
Reference to studios of Heath & Stoneman, the Rotary Company, and Otto Pfenninger.

760. Prokoudine-Gorsky, S. de. Observations et remarques sur les travaux photographiques en couleurs naturelles. (VI Congresso internazionale di chimica applicata, Roma, 1906. Atti, v. 6, p. 10-13.) **PKR**

Translation in *Photographic journal*, London, new series, v. 30, p. 304-306, *MFA*. Suggests preservation of plates by rapid drying.

761. Rheinberg, Julius. Photography in natural colours. (Nature, London, Nov. 29, 1906, v. 75, p. 103.) **MFA**
Admits patent priority to F. Cheshire.

762. Sallwuerk, Edmund von. Farbenphotographie und Kunst. (Photographische Kunst, München, 1905-06, Jahrg. 4, p. 243-248.) **MFA**

763. Saville-Kent, W. The photography of colour as applied to obtaining correct colour records of natural history subjects. (Royal Asiatic Society. — Ceylon Branch. Journal, Colombo, 1906, v. 18, p. 435-445.) **OAA**

Various well-known processes described.

1906, continued.

764. Schmidt, Hans. Eine Dreifarben-Momentkamera. illus. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 579-582.) **MFA**

765. — Das Dreifarben-Photographie-Verfahren, System N. P. G. (VI Congresso internazionale di chimica applicata, Roma, 1906. Atti, v. 6, p. 36-52.) **PKR**

Process of the Neue photographische Gesellschaft. Partial abstract in *Camera craft*, San Francisco, March, 1907, v. 14, p. 110-112, **MFA**.

766. — Three-colour prints by the carbon-film process. (British journal of photography, London, June 15, 1906, v. 53, p. 469-470.) **MFA**

Abstract.

767. — Ueber Farbenphotographie mit besonderer Berücksichtigung des Systems N. P. G. (Photographische Kunst, München, 1905-06, Jahrg. 4, p. 345-350.) † **MFA**

768. — Über Kameras für Dreifarben-photographie. illus. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 531-535.) **MFA**

769. Scoble, Walter A. The red sensitiveness of dyed films. illus. (Photographic journal, London, May, 1906, new series, v. 30, p. 190-197.) **MFA**

770. Seddig, M. A suggested method of colour sensitometry. (British journal of photography, London, Aug. 10, 1906, v. 53, p. 629-630.) **MFA**

771. Smith, John H. The bleach-out process of colour-photography. (British journal of photography, London, June 8, 1906, v. 53, p. 459.) **MFA**

States that he has abandoned the Szczepanik process in favor of the Smith-Merckens process.

772. Smith, John H., and W. MERCKENS. [Natural-colour printing out paper.] (Photographic journal, London, May, 1906, new series, v. 30, p. 197-200.) **MFA**

Abstract only.

773. — Über ein direkt in Farben kopierendes Papier (Uto-Papier). (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 385-388.) **MFA**

Also printed in *Photographische Kunst*, München, 1906-07, Jahrg. 5, p. 109-111, **MFA**.

774. Smith, J. H., & Co. Direct-colour photography. (British journal of photography, London, Oct. 12, 1906, v. 53, p. 817.) **MFA**

Reference to improvements in "Uto" paper; also to combination of owners of Smith-Merckens and of Szczepanik patents.

775. The "Solgram" colour process. (British journal of photography, London, Feb. 2, 1906, v. 53, p. 88.) **MFA**

776. Some notes on the bleach-out process. (British journal of photography, London, Feb. 23, 1906, v. 53, p. 146.) **MFA**

Brief description of Szczepanik process.

777. Some notes on the gum process. (British journal of photography, London, May 18, 1906, v. 53, p. 388-390.) **MFA**

778. Stable colours for three-colour prints. (British journal of photography, London, Jan. 5, 1906, v. 53, p. 11.) **MFA**

M. Pacini recommends the use of picric acid, carmine, and Prussian blue.

779. The Szczepanik bleach-out process of colour photography. (British journal of photography, London, Jan. 12, 1906, v. 53, p. 26-27.) **MFA**

Translation of manufacturer's instructions.

780. The Technics and practice of the Lumière starch grain process. (British journal of photography, London, March 9, 1906, v. 53, p. 190-191.) **MFA**

781. Three-colour without filters. (British journal of photography, London, Jan. 12, 1906, v. 53, p. 21.) **MFA**

Description of C. J. Drac's patent.

782. Three-colour photographs of the solar eclipse. (British journal of photography, London, June 29, 1906, v. 53, p. 505.) **MFA**

Brief paragraph referring to work of Professor Mengarini of Rome.

783. Three-colour prints on "Autotype" trichrome tissues. (British journal of photography, London, Feb. 9, 1906, v. 53, p. 106.) **MFA**

784. Three-colour transparencies by the pinatype process. (British journal of photography, London, Jan. 5, 1906, v. 53, p. 6-7.) **MFA**

Detailed instructions.

785. Three-colour transparencies by the Sanger-Shepherd process. (British journal of photography, London, June 29, 1906, v. 53, p. 506.) **MFA**

786. A Two-colour printing process. (British journal of photography, London, Sept. 7, 1906, v. 53, p. 705.) **MFA**

Abstract of German patent of J. K. Henberger.

787. Valenta, Eduard. Pinachrom and Pinacyanol als Rotsensibilisatoren. (Photographische Korrespondenz, Wien, 1906, Jahrg. 43, p. 132-134.) **MFA**

788. Vidal, Léon. Colour photography. A modern pinatype method. (British journal of photography, London, May 18, 1906, v. 53, p. 390-391.) **MFA**

Also printed in *Camera craft*, San Francisco, Nov., 1906, v. 13, p. 447-448, **MFA**.

789. — The Lippmann and Lumière processes. (British journal of photography, London, Feb. 16, 1906, v. 53, p. 125-126.) **MFA**

1906, *continued*.

790. W., J. Death of M. Léon Vidal. (British journal of photography, London, Aug. 24, 1906, v. 53, p. 672.) **MFA**

791. — The late Léon Vidal. port. (Photographic journal, London, 1906, new series, v. 30, p. 316-317; port. opp. p. 339.) **MFA**

792. Wall, Edward John. Another colour process. (Photographic news, London, July 20, 1906, v. 50, p. 574.) **MFA**
Brief reference to patent of Mezaro.

793. — Colour photography. (British journal of photography, London, Feb. 9, 1906, v. 53, p. 117-118.) **MFA**
Replies to Dr. Grün regarding disputed features of the Color Photography Exhibition.

794. — Colour sensations. (Photographic news, London, Sept. 21, 1906, v. 50, p. 755.) **MFA**
Scientific basis of color photography upset by discoveries of Professor Rachlmann.

795. — An exhibition of colour photography. (British journal of photography, London, Jan. 26, 1906, v. 53, p. 64-67.) **MFA**

796. — How to take portraits in natural colours. (Photographic news, London, 1906, v. 50, p. 388-389, 426-427, 490-491.) **MFA**

797. — Natural colour P. O. P. (Photographic news, London, May 4, 1906, v. 50, p. 351.) **MFA**
Smith process.

798. — A new process of three-colour printing. (Photographic news, London, Dec. 7, 1906, v. 50, p. 983.) **MFA**
Traube process.

799. — The pinatype camera. illus. (British journal of photography, London, Feb. 9, 1906, v. 53, p. 105.) **MFA**

800. — Pinatype and Rotary Co.'s superimposed carbon colour tissues. (Photographic journal, London, April, 1906, new series, v. 30, p. 144-146.) **MFA**
Abstract of lecture delivered before the Royal Photographic Society.

Also printed in *British journal of photography*, London, March 9, 1906, v. 53, p. 195, *MFA*.

801. — The present status of colour photography. (British journal of photography, London, July 27, 1906, v. 53, p. 588-592.) **MFA**

Also printed in *Photo-era*, Boston, Dec., 1906, v. 17, p. 352-364, *MFA*.

802. — A treatise on Lippmann colour photography. illus. (British journal of photography, London, Nov. 30, 1906, v. 53, p. 946-947.) **MFA**

Review of Hans Lehmann's book on color photography.

803. Walter, Gustav. Die Pietznersche Farbenphotographie. (Photographische Kunst, München, 1905-06, Jahrg. 5, p. 321-323.) † **MFA**

804. Worel, Karl. Farbenphotographie. (Photographische Kunst, München, 1905-06, Jahrg. 4, p. 400-404, 425-434.) † **MFA**
Historical outline.

805. Yerbury, S. G. The "Sinop" process in colour photography. (British journal of photography, London, Jan. 26, 1906, v. 53, p. 78.) **MFA**

Recommends "Sinop" simplified collotype plates to obviate "blobby" appearance of prints.

806. — Three-colour printing by the Sinop process. illus. (British journal of photography, London, Feb. 9, 1906, v. 53, p. 106-107.) **MFA**

807. Zander, C. G. The Zander four-colour process. (British journal of photography, London, May 18, 1906, v. 53, p. 397.) **MFA**

Claims that his process is not based on Hering's theory.

808. — The Zander four-colour process. (British journal of photography, London, Sept. 7, 1906, v. 53, p. 719.) **MFA**

809. The Zander complementary colour reproduction process. (British journal of photography, London, Jan. 5, 1906, v. 53, p. 14.) **MFA**

810. Zander's four-colour process. (British journal of photography, London, May 11, 1906, v. 53, p. 371.) **MFA**

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812. The Achromatism of lenses for colour work. (British journal of photography, London, June 7, 1907, v. 54, Colour photography supplement, p. 42-43.) **MFA**

813. Albert, E. Three-colour without filters. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 55.) **MFA**

814. Alleged anticipations of the Warner-Powrie process. (British journal of photography, London, Oct. 25, 1907, v. 54, p. 812-813.) **MFA**

815. Another American discovery in colour photography. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 53.) **MFA**

Invention of Charles Gilbert of Chicago.

1907, continued.

816. Another well-known worker in colour-photography, Dr. Gustav Selle. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 55.) MFA

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817. Art and colour photography. (British journal of photography, London, Oct. 18, 1907, v. 54, p. 781-782.) MFA

818. Atkinson, E. H. C. Section-cut half-tone screens. (British journal of photography, London, Nov. 22, 1907, v. 54, p. 894.) MFA

Brief suggestion for the Warner-Powrie process.

819. Autochrome items. (British journal of photography, London, Nov. 8, 1907, v. 54, p. 839-840.) MFA

Cause of green stains. Reversing, intensification, residues.

820. Autochrome plates under modified treatment. (British journal of photography, London, Oct. 11, 1907, v. 54, p. 772-773.) MFA

821. The Autochrome process in a nutshell. (Photographic news, London, Sept. 27, 1907, v. 52, p. 304.) MFA

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822. Autochromes from autochromes. (British journal of photography, London, Nov. 15, 1907, v. 54, p. 858.) MFA

823. Baker, Thomas Thorne. The colour sensitising of gelatine and collodion emulsions and the relation of the colour of a dye to its sensitising action. (Photographic journal, London, April, 1907, new series, v. 31, p. 207.) MFA

With discussion.

824. Bardorf. Über Jougl'a's Autochromplatte "Omnicolor." (Photographische Welt, Leipzig, 1907, Jahrg. 21, p. 147-148, 167-168.) MFA

825. Bauer, Otto. A camera for three-colour photography. illus. (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, p. 31.) MFA

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826. Bayley, R. Child. Color photography. (Photo-miniature, New York, Sept., 1907, v. 7, p. 449-455.) MFA

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827. — Copying autochromes in the camera. (British journal of photography, London, Nov. 1, 1907, v. 54, p. 831.) MFA

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829. Blackburn, H. E. The pinatype process of color photography. (Camera craft, San Francisco, Dec., 1907, v. 14, p. 515-519.) MFA

830. — A rapid three-color carbon process. (Camera craft, San Francisco, June, 1907, v. 14, p. 273-276.) MFA

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832. Burchardt, Ernest A. Three-colour printing with bichromated size. (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, p. 25-26.) MFA

833. Cajal, S. R. The Lippmann process. (British journal of photography, London, Sept. 13, 1907, v. 54, p. 691-692.) MFA

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838. Chevrier, Henri. Observations sur le traitement des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 477-485.) MFA

839. — Traitement des plaques autochromes. (Photo-gazette, Paris, Dec. 25, 1907, année 18, p. 21-26.) MFA

840. Claudy, Carl Harry. Autochrome color photography. (Bulletin of photography. Philadelphia, Dec. 11, 1907, v. 1, p. 347-348.) † MFA

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841. Clerc, Louis Philippe. Development of three-colour negatives. (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, p. 29.) MFA

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842. **Colour curves and how to control them.** (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, v. 54, p. 30.) **MFA**
843. **Colour photography.** (Photographic news, London, June 21, 1907, v. 51, p. 505.) **MFA**
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844. **Colour processes.** (British journal of photography, London, Nov. 8, 1907, v. 54, p. 855.) **MFA**
Formulas for pinatype process.
845. **Comley, Henry J.** The bichromated size process. (British journal of photography, London, June 7, 1907, v. 54, Colour photography supplement, p. 46.) **MFA**
Gives formula for sizing.
846. — Three-colour carbon and the autochrome process. (British journal of photography, London, 1907, v. 54, p. 853-854, 875.) **MFA**
Abstract of paper read before the Southampton Camera Club.
847. — Three-colour photography. (British journal of photography, London, June 21, 1907, v. 54, p. 471.) **MFA**
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848. **The Connection** between duration of development, fog, and colour rendering. (British journal of photography, London, March 1, 1907, v. 54, Colour photography supplement, p. 19-21.) **MFA**
849. **Coustet, Ernest.** Photographie des couleurs: les plaques à filtres trichromes. (Photo-gazette, Paris, April 27, 1907, année 17, p. 101-107.) **MFA**
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850. — Photographie des couleurs; le procédé trichrome par éléments juxtaposés. (Revue scientifique, Paris, 1907, série 5, v. 8, semestre 2, p. 237-241.) **OA**
851. **Crémier, Victor.** Les plaques autochromes et la stéréoscopie. (Photo-gazette, Paris, Aug. 25, 1907, année 17, p. 186-189.) **MFA**
852. **Didier, Léon.** A simplified pinatype process. (British journal of photography, London, June 7, 1907, v. 54, Colour photography supplement, p. 43-44.) **MFA**
853. **Direct half-tone three-colour negatives.** (British journal of photography, London, Nov. 1, 1907, v. 54, Colour photography supplement, p. 87.) **MFA**
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856. — A multiple three-colour back. (British journal of photography, London, March 1, 1907, v. 54, p. 23.) **MFA**
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857. **Ducos du Hauron, Louis, and R. DE BERCEGOL.** The Du Hauron one-plate process. (British journal of photography, London, May 3, 1907, v. 54, Colour photography supplement, p. 37-38.) **MFA**
858. **"Ensign" chemical outfit for autochrome plates.** illus. (British journal of photography, London, Dec. 6, 1907, v. 54, p. 926-927.) **MFA**
859. **The "Ensign" viewing stand for autochrome transparencies.** illus. (British journal of photography, London, Dec. 6, 1907, v. 54, Colour photography supplement, p. 95.) **MFA**
860. **Exécution de contretypes par la pinatype.** (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 189-190.) **MFA**
861. **The Exhibition of colour photography.** (British journal of photography, London, Oct. 18, 1907, v. 54, p. 782.) **MFA**
Reference to patent of Hans Lehmann.
862. **Exposure with autochromes.** (British journal of photography, London, Dec. 6, 1907, v. 54, p. 918.) **MFA**
863. **Fairchild, Thomas J.** Colour prints and transparencies. (British journal of photography, London, June 21, 1907, v. 54, p. 473.) **MFA**
Directions for producing greens and yellows from ordinary negatives.
864. **Flower studies in colour.** (British journal of photography, London, Nov. 1, 1907, v. 54, p. 822.) **MFA**
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865. **Fraprie, Frank Roy.** Simple color photography achieved. (American photography, Boston, Aug., 1907, v. 1, p. 59-64.) **MFA**
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866. **Frederking, H.** Das neue Verfahren der Naturfarbenphotographie von A. und L. Lumière. (Dinglers polytechnisches Journal, Berlin, 1907, Bd. 322, p. 713-716.) **VA**

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867. **Gamble, William.** Colour photography by the Warner-Powrie screen-plate process. (*British journal of photography*, London, Oct. 4, 1907, v. 54, p. 748-750.)

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869. **Gill, William.** Professional colour photography: does it pay? (*British journal of photography*, London, May 3, 1907, v. 54, Colour photography supplement, p. 33-34.)

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870. **Grant, Thomas K.** The autochrome process. (*Photographic journal*, London, Dec., 1907, new series, v. 31, p. 395-401.)

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871a. — La photographie des couleurs sur les plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 415-417.)

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873. — Screen-plate colour photography by the Warner-Powrie process. illus. (*British journal of photography*, London, Oct. 11, 1907, v. 54, p. 763-765.)

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874. — The three-colour tissue process. (*British journal of photography*, London, March 1, 1907, v. 54, Colour photography supplement, p. 17-18.)

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879. An Interview with M. Louis Ducos du Hauron. port. (*British journal of photography*, London, Jan. 4, 1907, Colour photography supplement, p. 1-2.)

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884. — Single-plate colour-photography. (*Nature*, London, Aug. 1, 1907, v. 76, p. 317.)

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886. — The omnicolore plate. (*British journal of photography*, London, June 7, 1907, v. 54, Colour photography supplement, p. 46.)

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888. **Koenig, Ernst.** The keeping properties of bathed plates. (*British journal of photography*, London, March 1, 1907, v. 54, Colour photography supplement, p. 23.)

MFA

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889. — A new method for preparing three-colour transparencies. (*British journal of photography*, London, Feb. 1, 1907, v. 54, Colour photography supplement, p. 13.)

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Uses pinatype process.

1907, continued.

890. — Non-screen orthochromatic and panchromatic plates by bathing. (*British journal of photography*, London, Oct. 18, 1907, v. 54, p. 786.) **MFA**

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891. — The permanency of pinatype prints. (*British journal of photography*, London, March 1, 1907, v. 54, p. 23.) **MFA**

892. The Krayn screen-plate. (*British journal of photography*, London, Dec. 13, 1907, v. 54, p. 944.) **MFA**

893. The Krayn screen-plate process of colour photography. (*British journal of photography*, London, Dec. 6, 1907, v. 54, Colour photography supplement, p. 93-94.) **MFA**

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895. Lasareff, P. Über das Ausbleichen von Farbstoffen im sichtbaren Spektrum. (*Annalen der Physik*, Leipzig, 1907, Folge 4, Bd. 24, p. 661-671.) **PAA**

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896. Latest developments in screen-plate colour photography. illus. (*British journal of photography*, London, Sept. 13, 1907, v. 54, p. 688-691.) **MFA**

Warner-Powrie process.

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898. Lehmann, Johannes Moritz. Über die direkten Verfahren der Farbenphotographie nach Lippmann und Lumière. illus. (*Physikalische Zeitschrift*, Leipzig, 1907, Jahrg. 8, p. 842-849.) **PAA**

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899. — Über eine neue kornlose Platte für Lippmann-Photographie. (*Zeitschrift für wissenschaftliche Photographie*, Leipzig, 1907, Bd. 5, p. 279-283.) **PLC**

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901. Le Roy, George A. Rectification des épreuves sur plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 473.) **MFA**

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902. — Vernis pour plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 472.) **MFA**

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903. Lueppo-Cramer. The behaviour of dyes. (*British journal of photography*, London, July 5, 1907, v. 54, Colour photography supplement, p. 50.) **MFA**

Deals with the action of dyes in hydrosols of the silver halides.

904. — Zur Photochemie der Photohaloide und Theorie der Poitevinschen Photochromie. (*Photographische Korrespondenz*, Wien, 1907, Jahrg. 44, p. 376-382, 439-444.) **MFA**

905. Lumière, Auguste, and LOUIS LUMIÈRE. Notice de MM. Lumière sur le mode d'emploi des plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 358-368.) **MFA**

Full directions.

906. Lumière, Auguste, and others. Methods of control in the development of autochrome plates. (*British journal of photography*, London, Dec. 6, 1907, v. 54, Colour photography supplement, p. 90-93.) **MFA**

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907. — Sur le développement des plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 515-528.) **MFA**

908. The Lumière autochrome plates. (*British journal of photography*, London, 1907, v. 54, Colour photography supplement, p. 51-53, 65-68.) **MFA**

Directions for manipulating.

909. Lumières Verfahren der Photographie in natürlichen Farben mittels Autochromplatten. (*Photographische Korrespondenz*, Wien, 1907, Jahrg. 44, p. 434-438.) **MFA**

910. Mackensteen, H. Déclenchement automatique des obturateurs par le dé clic automatique H. B. illus. (*Société française de photographie. Bulletin*, Paris, 1907, série 2, tome 23, p. 386-387.) **MFA**

911. Mareschal, G. Photographie des couleurs par les plaques autochromes Lumière. (*Photo-gazette*, Paris, May 25, 1907, année 17, p. 121-123.) **MFA**

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912. **Martin-Duncan, F.** Autochromes of nature subjects. (British journal of photography, London, Nov. 1, 1907, v. 54, p. 834-835.) **MFA**

Abstract of lecture before the Blenheim Club.

913. — The microscopic appearance of the Warner-Powrie plate. illus. (British journal of photography, London, Nov. 1, 1907, v. 54, Colour photography supplement, p. 83-84.) **MFA**

914. — Some notes on the microscopic appearance of the Lumière autochrome plate. illus. (British journal of photography, London, Sept. 6, 1907, v. 54, Colour photography supplement, p. 68-69.) **MFA**

915. **Martiny, Gaston.** Quelques conséquences de l'emploi des plaques autochromes. (Photo-gazette, Paris, July 25, 1907, année 17, p. 165-167.) **MFA**

Difficulties to be overcome.

916. **Mees, Charles Edward Kenneth.** Mosaic and linear colour plates. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 49-50.) **MFA**

917. — Preparing colour-duplicates by the Warner-Powrie process. (British journal of photography, London, Sept. 20, 1907, v. 54, p. 708-710.) **MFA**

918. **Mees, Charles Edward Kenneth, and J. H. PLEDGE.** Printing and copying from screen-plate colour negatives and positives. (British journal of photography, London, Oct. 4, 1907, v. 54, Colour photography supplement, p. 75-76.) **MFA**

919. **Mees, Charles Edward Kenneth, and S. H. WRATTEN.** Rapid filter blue. (British journal of photography, London, Aug. 2, 1907, v. 54, Colour photography supplement, p. 62.) **MFA**

920. **Mente, Otto.** Ueber die neue Omnicolore Platte. (Photographische Chronik, Halle a. S., July 3, 1907, Jahrg. 14, p. 334-337.) **MFA**

921. **Millockau, G.** Photography of the infra-red solar spectrum. (British journal of photography, London, May 17, 1907, v. 54, p. 364-365.) **MFA**

922. **Monpillard, Félix.** Écrans colorés pour la microphotographie. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 177-179.) **MFA**

923. **Natural colour photographs of interference effects in glass under stress.** (Engineering, London, Jan. 11, 1907, v. 83, p. 56.) **VA**

Abstract in *Photographic news*, London, Jan. 25, 1907, v. 51, p. 71, **MFA**.

924. **Neuhaus, Richard.** History of the bleachout process. (British journal of photography, London, April 5, 1907, v. 54, p. 262.) **MFA**

States that process was used as early as 1899 by Liesegang.

925. — A note by Dr. Neuhaus on the bleachout process. (British journal of photography, London, Feb. 1, 1907, v. 54, Colour photography supplement, p. 14-15.) **MFA**

Refers to new paper introduced by Dr. J. H. Smith & Co. of Zurich.

926. **Newton, A. J.** The Warner-Powrie screen-plate from the photo-engraver's point of view. (British journal of photography, London, Sept. 27, 1907, v. 54, p. 730-731.) **MFA**

927. **A Note on varnishing autochromes.** (British journal of photography, London, Nov. 15, 1907, v. 54, p. 859.) **MFA**

928. **Obermayer, Albert, Edler von.** Die Farbenphotographie nach dem Warner-Powrie-Verfahren. illus. (Photographische Korrespondenz, Wien, 1907, Jahrg. 44, p. 533-538.) **MFA**

929. — Neuerungen in der Dreifarbenphotographie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1907, Halle a. S., 1907, Jahrg. 21, p. 129-141.) **MFA**

Brief abstracts of periodical articles.

930. **One-plate colour processes.** (British journal of photography, London, Feb. 1, 1907, v. 54, Colour photography supplement, p. 13.) **MFA**

A review of patents issued.

931. **Le Papier Uto pour obtention d'images polychromes par décoloration.** (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 190-192.) **MFA**

932. **Patents in colour-photography.** (British journal of photography, London, Aug. 30, 1907, v. 54, p. 666, 681-682.) **MFA**

Discussion between Frederic E. Ives and Otto Pfenninger as to patent priority of refraction compensator.

933. **Payne, Arthur.** Stereoscopic photography with autochrome plates. (British journal of photography, London, 1907, v. 54, p. 784-785, 803-804.) **MFA**

934. **Pfaundler, Leopold.** Ueber ein Modell zur mechanischen Versinnbildlichung der Heringschen Farbentheorie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1907, Halle a. S., 1907, Jahrg. 21, p. 20-21.) **MFA**

935. **The Pinatype process.** (British journal of photography, London, March 1, 1907, v. 54, supplement, p. 23.) **MFA**

Description of French patent 337,054.

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936. Das **Pinatype-Verfahren** der Höchster Farbwerke. (Photographische Chronik, Halle a. S., Aug. 4, 1907, Jahrg. 14, p. 397-398.) † MFA
937. **Piper, Charles Welborne**. Duplicates of autochromes by contact printing and copying. (British journal of photography, London, Nov. 1, 1907, v. 54, Colour photography supplement, p. 81-82.) MFA
938. **Plauderei über die Farbenphotographie nach Lumière**. (Photographische Chronik, Halle a. S., Aug. 18, 1907, Jahrg. 14, p. 423-425.) † MFA
939. **Pledge, John H.** Photo-micrographs of starch grains in the Lumière autochrome plates. illus. (British journal of photography, London, Sept. 20, 1907, v. 54, p. 721.) MFA
940. **Poirée, Georges**. Méthode de photographie des couleurs par analyse et synthèse au moyen d'objectifs non achromatiques. illus. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 61-66.) MFA
Translation in *British journal of photography*, London, March 1, 1907, v. 54, Colour photography supplement, p. 21-22, MFA.
941. A **Precaution** in the autochrome process. Securing white in autochromes. (British journal of photography, London, Oct. 11, 1907, v. 54, p. 761-762.) MFA
942. **Precautions** in the use of liquid colour-filters. (British journal of photography, London, May 3, 1907, v. 54, p. 35-36.) MFA
943. "**Pyro-Reeb**," révélateur spécial pour plaques autochromes. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 529-531.) MFA
944. **Quentin, H.** Comment on obtient une photographie en couleurs. Procédés trichromes, méthodes par réseaux polychromes, procédé par dispersion spectrale. Paris: Ch. Mendel [1907?], 1 p.l., 69 p. 12°. MFV
945. — The mercury fog in interference photography. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 55.) MFA
946. The **R. P. S.** progress medal-award for colour photography. port. (British journal of photography, London, Feb. 1, 1907, v. 54, Colour photography supplement, p. 12.) MFA
Award to E. Sanger Shepherd.
947. **Raymond, R.** Photography in colours by prismatic dispersion. illus. (British journal of photography, London, Jan. 4, 1907, v. 54, Colour photography supplement, p. 5-6, 18-19.) MFA
948. **Real color photography**. (Outlook, New York, 1907, v. 87, p. 238-239.) * DA
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949. **Reducing three-colour negatives**. (British journal of photography, London, Sept. 6, 1907, v. 54, Colour photography supplement, p. 71.) MFA
"Sanzol" process.
950. **Reeb, Henri**. De l'estimation du temps de pose sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 490-495.) MFA
951. **Riley, Phil Madison**. Color-photography near. A new one-plate process for the ordinary camera. (Photo-era, Boston, Dec., 1907, v. 19, p. 307-309.) MFA
Joly process.
952. **Rothé, E.** Practice of Lippmann's process. (British journal of photography, London, Jan. 4, 1907, v. 54, Colour photography supplement, p. 3.) MFA
Does away with mercury mirror. Method of working is described.
953. **Schmidt, Hans**. Ueber Dreifarben-negative. (Jahrbuch für Photographie und Reproduktionstechnik für 1907, Halle a. S., 1907, Jahrg. 21, p. 10-13.) MFA
954. **Screen-plate photography** by the Warner-Powrie process. (British journal of photography, London, 1907, v. 54, p. 707-708, 730.) MFA
955. **Sheppard, Samuel Edward**. The colour of dye solutions. (British journal of photography, London, Oct. 25, 1907, v. 54, p. 819.) MFA
956. **Sims, W. A.** Three-colour printing process by means of the Rotary Photographic Company's films. (Photographic journal, London, Jan., 1907, new series, v. 31, p. 4-8.) MFA
With discussion.
957. **Smith, John H.** The copying of colour-screen plates on bleach-out paper. (British journal of photography, London, Aug. 2, 1907, v. 54, Colour photography supplement, p. 62-63.) MFA
958. — **Direct colour-photography** by the Smith screen plate. (British journal of photography, London, Jan. 4, 1907, v. 54, p. 6.) MFA
959. **Smith, John H., and W. Merckens**. Ausbleichverfahren und direkte Farbenphotographie. (Jahrbuch für Photographie und Reproduktionstechnik für 1907, Halle a. S., 1907, Jahrg. 21, p. 113-118.) MFA
Szczezanik process.
960. **Some points** in the manipulation of Lumière's autochrome plates. (British journal of photography, London, Oct. 4, 1907, v. 54, p. 746-747.) MFA

1907, *continued*.

961. Stark, J. Latente Fluoreszenz und optische Sensibilisation. (Physikalische Zeitschrift, Leipzig, 1907, Jahrg. 8, p. 248-250.) PAA

Translation with comments in *British journal of photography*, London, June 7, 1907, v. 54, Colour photography supplement, p. 44-46, MFA.

962. Steadman, Frank Morris. Color photography with Lumière autochrome plate. illus. (Camera craft, San Francisco, Sept., 1907, v. 14, p. 395-400.) MFA

Portraits of the inventors.

963. Stenger, Erich. Aus der Praxis der Dreifarbenphotographie. (Photographische Kunst, München, 1905-06, Jahrg. 4, p. 161-167, 201-207, 323-329, 361-365; 1906-07, Jahrg. 5, p. 173-179.) † MFA

964. — Die Autochromplatte. illus. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1907, Bd. 5, p. 372-382.) PLC

965. — Film thickness and colour sensitiveness. (British journal of photography, London, Dec. 13, 1907, v. 54, p. 932-933.) MFA

Brief abstract. Claims increasing color sensitiveness with increasing thickness of film.

966. — Lippmann-Photographie. (Photographische Chronik, Halle a. S., Aug. 21, 1907, Jahrg. 14, p. 431-432.) † MFA

967. Three-colour cameras. illus. (British journal of photography, London, Feb. 8, 1907, v. 54, p. 99-100.) MFA

Apparatus of Hans Schmidt and of M. Geisler.

968. Three-colour Lippmann photography. (British journal of photography, London, Jan. 18, 1907, v. 54, p. 36-37.) MFA

Brief reference to Herbert E. Ives' method of duplication.

969. Tilney, F. C. Colour reproduction from the point of view of the man in the street. (British journal of photography, London, June 7, 1907, v. 54, Colour photography supplement, p. 41-42.) MFA

970. The "Times" on colour processes. (British journal of photography, London, Sept. 20, 1907, v. 54, p. 718.) MFA

Account of exhibition in which Lumière pictures are compared with some of the older processes.

971. Traube, Artur. Colored tones by the Traube iodide process. (British journal of photography, London, March 15, 1907, v. 54, p. 196-197.) MFA

972. — Three-colour prints by the Traube iodide process. (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, p. 26-28.) MFA

973. Valenta, Eduard. Sensibilisierungsversuche mit diversen Farbstoffen der Cyaningruppe. (Photographische Korrespondenz, Wien, 1907, Jahrg. 44, p. 449-450.) MFA

Also printed in *British journal of photography*, London, Oct. 4, 1907, v. 54, p. 751, MFA.

974. Wall, Edward John. Another colour process. (Photographic news, London, Dec. 6, 1907, v. 52, p. 547.) MFA

Brief description of the Krayn process.

975. — Another three-colour printing process. (Photographic news, London, Sept. 6, 1907, v. 52, p. 231.) MFA

Lieber process.

976. — The circulating portfolios of the Society of Colour Photographers. (British journal of photography, London, April 5, 1907, v. 54, p. 31-32.) MFA

Comments on work submitted by several colour photographers.

977. — Latent fluorescence and optical sensitising. (British journal of photography, London, June 7, 1907, v. 54, Colour photography supplement, p. 45-46.) MFA

Comments on paper by J. Stark.

978. — The Lumière autochrome plate. (Photographic news, London, July 19, 1907, v. 52, p. 63.) MFA

Brief description.

979. — The Lumière autochrome plates. (British journal of photography, London, Aug. 2, 1907, v. 54, Colour photography supplement, p. 57-58.) MFA

980. — A new three-colour camera. (Photographic news, London, Jan. 4, 1907, v. 51, p. 11.) MFA

Schmidt apparatus.

981. — The omnicolore plate. (Photographic news, London, May 10, 1907, v. 51, p. 379.) MFA

982. — The Powrie-Warner colour process. (Photographic news, London, Oct. 4, 1907, v. 52, p. 329.) MFA

Brief description.

983. — A review of the exhibition. (British journal of photography, London, Oct. 4, 1907, v. 54, Colour photography supplement, p. 73-75.) MFA

984. — A review of recent work in colour sensitising. (British journal of photography, London, 1907, v. 54, p. 365-367, 386-388, 406-407, 464-466.) MFA

Footnote citations to a number of references.

985. — A simpler method of working autochrome plates. (Photographic news, London, Nov. 8, 1907, v. 52, p. 451.) MFA

Gravier process.

986. — Some notable features of the Warner-Powrie process. (British journal of photography, London, Sept. 20, 1907, v. 54, p. 710-711.) MFA

1907, *continued*.

987. — Some notes on colour filter making. (British journal of photography, London, Jan. 4, 1907, v. 54, Colour photography supplement, p. 4-5.) MFA
988. — Three-colour carbon work. (British journal of photography, London, Feb. 1, 1907, v. 54, Colour photography supplement, p. 9-10.) MFA
989. — Three-colour Lippmann pictures. (Photographic news, London, Feb. 8, 1907, v. 51, p. 111.) MFA
Ives process.
990. — Three-colour negative-making as an evening amusement. (British journal of photography, London, July 5, 1907, v. 54, Colour photography supplement, p. 50.) MFA
Suggestion for a panchromatic flashlight.
991. Wallace, Robert James. Studies in sensitometry. illus. (Astrophysical journal, Chicago, 1907, v. 25, p. 116-150; v. 26, p. 298-325.) OMA
1: The daylight sensitometry of photographic plates, and a suggested standard dispersion piece. 2: Orthochromatism by bathing.
992. Wallon, Étienne. Appareil pour la photographie des couleurs par dispersion prismatique de M. Chéron. illus. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 537-542.) MFA
993. — Paysages autochromes. (Photogazette, Paris, Oct. 25, 1907, année 17, p. 221-225.) MFA
994. — La photographie des couleurs et les plaques autochromes. (Société française de photographie. Bulletin, Paris, 1907, série 2, tome 23, p. 336-358.) MFA
995. — La photographie des couleurs et les plaques autochromes; conférence faite devant la Société française de photographie le 27 juin 1907, par E. Wallon; suivie d'une Notice sur le mode d'emploi des plaques autochromes, par MM. Lumière. Paris: Gauthier-Villars, 1907. 39 p. table. 4°. MFF p.v.54, no.6
996. Watkins, Alfred. Actinometers and autochromes. (British journal of photography, London, Nov. 1, 1907, v. 54, Colour photography supplement, p. 82-83.) MFA
997. — Exposure of autochromes by actinometer. (British journal of photography, London, Nov. 15, 1907, v. 54, p. 874.) MFA
998. Wolf-Czapek, Karl Wilhelm. Einige Beiträge zur Autochromphotographie. (Photographische Korrespondenz, Wien, 1907, Jahrg. 44, p. 461-464.) MFA
999. — Einige Versuche mit der neuen Autochromplatte. (Photographische Chronik, Halle a. S., Sept. 1, 1907, Jahrg. 14, p. 447-448.) † MFA
1000. — Experiments with the bleach-out printing process. (British journal of photography, London, April 5, 1907, v. 54, Colour photography supplement, p. 28-29.) MFA
1001. — Naturfarbige Kopien auf Papier. (Photographische Welt, Leipzig, April, 1907, Jahrg. 21, p. 49-51.) MFA
Uto paper.
1002. Worel, Karl. Direkte Farbenphotographie. (Jahrbuch für Photographie und Reproduktionstechnik für 1907, Halle a. S., 1907, Jahrg. 21, p. 5-8.) MFA
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1003. — New-comers in colour photography. (British journal of photography, London, May 3, 1907, v. 54, Colour photography supplement, p. 36-37.) MFA
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1005. A Year of colour photography. (British journal of photography, London, Dec. 6, 1907, v. 54, p. 918-919.) MFA

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1006. Abney, Sir William de Wiveleslie. A one-exposure three-colour camera. illus. (Photographic journal, London, Oct., 1908, new series, v. 32, p. 331-333.) MFA
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1008. The Autochromes at the new gallery. (British journal of photography, London, Sept. 25, 1908, v. 55, p. 734-735.) MFA
Comments on London exhibition.
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1012. Brown, Edward Lumsden. On direct colour-photography by the Lumière process. (Royal Scottish Society of Arts. Transactions, Edinburgh, 1908, v. 18, p. 154-157.) **VA**
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1014. The Campbell anti-frilling dish. (British journal of photography, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 16.) **MFA**
1015. Carpentier, J. La photographie des couleurs par les plaques autochromes de MM. Lumière frères. (Société des ingénieurs civils de France. Mémoires, Paris, 1908, série 6, année 61, p. 962-972.) **VDA**
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1017. Carter, Charles M. Painting and color photography. (American annual of photography for 1909, New York, 1908, v. 13, p. 41-42.) **MFA**
1018. Chaboseau, Robert. Observations sur l'emploi des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 349-358.) **MFA**
Abstracted in *British journal of photography*, London, Oct. 2, 1908, v. 55, Colour photography supplement, **MFA**.
1019. Chéron, André. A modified apparatus for the prismatic dispersion process. illus. (British journal of photography, London, Jan. 3, 1908, v. 55, Colour photography supplement, p. 3-4.) **MFA**
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1022. Clifton, William E. A simplified system of developing autochromes. (British journal of photography, London, Feb. 14, 1908, v. 55, p. 130-131.) **MFA**
1023. Colour in autochromes. (British journal of photography, London, Oct. 9, 1908, v. 55, p. 765.) **MFA**
Editorial rejoinder to criticism of autochromes at the Salon.
1024. (Colour photographs of rock sections.) (Nature, London, Jan. 2, 1908, v. 77, p. 206.) **OA**
Brief reference to Lumière photographs taken by J. W. Patterson.
1025. Colour photography and crime. (British journal of photography, London, June 12, 1908, v. 55, p. 445.) **MFA**
Reference to blood-stained garments photographed by autochrome process.
1026. Colour transparencies by artificial light. (British journal of photography, London, June 12, 1908, v. 55, p. 445.) **MFA**
1027. Corke, H. Essenhigh. The "Thames" one-exposure colour plate. illus. (British journal of photography, London, Nov. 20, 1908, v. 55, p. 884-886.) **MFA**
1028. Courtellemont, G. Autochromes on tour. (British journal of photography, London, June 5, 1908, v. 55, Colour photography supplement, p. 46.) **MFA**
A record of 1,300 pictures taken in the Near East. Brief reference to exposures required; also of development.
1029. Coustet, Ernest. Conseils pratiques sur l'emploi des plaques autochromes. (Photo-gazette, Paris, Feb. 25, 1908, année 18, p. 72-78.) **MFA**
1030. — La photographie en couleurs sur plaques à filtres colorés. Paris: B. Tignol [1908]. viii, 91 p. 12°. (Bibliothèque des actualités industrielles. no. 118.) **MFV**
1031. — Le procédé Diachrome. (Photo-gazette, Paris, Sept. 25, 1908, année 18, p. 197-200.) **MFA**
Traube's process.
1032. — Le temps de pose des plaques autochromes. (Photo-gazette, Paris, April 25, 1908, année 18, p. 111-115.) **MFA**
1033. Crémier, Victor. Détermination du temps de pose pour autochromes. (Photo-gazette, Paris, Nov. 25, 1908, année 19, p. 5-15.) **MFA**
1034. Cundall, J. Tudor. Advances in color photography. (American photography, Boston, Aug., 1908, v. 2, p. 437-445.) **MFA**
Paper read before the Edinburgh Photographic Society.
1035. Dawson, Oliver S., and C. L. FINLAY. The examination of the positive of the Thames colour plate. illus. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 96.) **MFA**
1036. A Development accessory for autochromes, panchromatic plates, etc. (British journal of photography, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 16.) **MFA**
Developing tank of Messrs. Beck.
1037. The Development of autochromes. (British journal of photography, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 79-80.) **MFA**

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1038. **Didier, Léon.** Pinatype prints from autochrome and other screen-plate transparencies. (British journal of photography, London, May 1, 1908, v. 55, Colour photography supplement, p. 35-37.) **MFA**
1039. **Dillaye, Frédéric.** Autochromes of bluish tones. (British journal of photography, London, March 20, 1908, v. 55, p. 221.) **MFA**
1040. **Doncaster, E. D.** The latest improvements and applications of the Sanger-Shepherd process of colour-photography. (British journal of photography, London, March 6, 1908, v. 55, Colour photography supplement, p. 20.) **MFA**
Abstract.
1041. **Dowier, Charles A.** Acid amidol for the development of autochromes. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 32.) **MFA**
1042. **Downes, William Howe.** Influence of the autochrome process upon art. (Photo-era, Boston, Jan., 1908, v. 20, p. 41-42.) **MFA**
1043. **Drake-Brockman, H. G.** Autochrome photography for the tourist. (British journal of photography, London, June 5, 1908, v. 55, Colour photography supplement, p. 47-48.) **MFA**
Suggestions as to developing equipment.
1044. — Blueness with autochromes. (British journal of photography, London, May 8, 1908, v. 55, p. 371.) **MFA**
1045. — Yellow light for the development of autochromes. (British journal of photography, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 80.) **MFA**
1046. **The Dufay screen-plate process.** (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 51-52.) **MFA**
1047. **Dye mordants.** (British journal of photography, London, Feb. 7, 1908, v. 55, p. 110.) **MFA**
1048. **Edgson, Hugh.** Washing autochrome plates. illus. (British journal of photography, London, April 3, 1908, v. 55, supplement, p. 32.) **MFA**
1049. **Emery, C. F.** Autochrome plates in landscape work. (British journal of photography, London, June 5, 1908, v. 55, Colour photography supplement, p. 48.) **MFA**
Inquires why tones are colder in early summer than in September.
1050. **The "Ensign" clock for autochrome development.** (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 56.) **MFA**
1051. **The Exhibition of colour photography.** (British journal of photography, London, June 12, 1908, v. 55, p. 449.) **MFA**
Second exhibition of the Society of Colour Photographers.
1052. **Exposure with autochromes.** (British journal of photography, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 10-11.) **MFA**
1053. **Fabry, Charles.** La photographie des couleurs. (Société scientifique industrielle de Marseille. Bulletin, Marseille, 1908, année 36, fascicule unique, p. 7-21.) **VA**
1054. **Ferrars, Max.** Die Autochrom-Platte von Lumière. (Photographische Welt, Leipzig, Jan., 1908, Jahrg. 22, p. 2.) **MFA**
Suggestions for exposure.
1055. — Weitere Erfahrungen mit der Autochromplatte. (Photographische Welt, Leipzig, Jan., 1908, Jahrg. 22, p. 3-4.) **MFA**
1056. **Finlay, C. L.** (The Thames colour-screen plate.) (British journal of photography, London, April 17, 1908, v. 55, p. 312.) **MFA**
With discussion.
1057. **Gimpel, Léon.** Autochromes from autochromes. (British journal of photography, London, Aug. 7, 1908, v. 55, Colour photography supplement, p. 61.) **MFA**
- 1058-1059. — Reproduction sur plaques autochromes des épreuves obtenues sur ses mêmes plaques. (Photo-gazette, Paris, Oct. 25, 1908, année 18, p. 222-225.) **MFA**
Also in Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 317-320, *MFA*.
1060. **Goerz.** Châssis spécial pour plaques autochromes de Lumière. illus. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 308-310.) **MFA**
1061. **Goldberg, E.** Farbenphotographie und Farbendruck. Leipzig: Deutscher Buchgewerbeverein, 1908. 84 p., 12 pl. 16°. (Monographien des Buchgewerbes... Bd. 2.) **MFV**
1062. **Goldschmidt, Robert.** La photographie des couleurs. (Université libre de Bruxelles. Revue, Bruxelles, 1908, année 13, p. 317-336.) ***EM**
Also printed in Société chimique de Belgique. Bulletin, Gand, 1908, v. 22, p. 20-37, *PKA*.
1063. **Goutcher, A. Winton.** The fixing bath in autochrome work. (British journal of photography, London, March 20, 1908, v. 55, p. 227.) **MFA**
1064. **Grant, Thomas K.** Autochromes. (British journal of photography, London, Nov. 20, 1908, v. 55, p. 895-896.) **MFA**
Lecture before the Croydon Camera Club. Discusses exposure, intensification, and avoidance of spots.

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1065. Gravier, Charles. Daylight development of autochromes by the Gravier method. illus. (British journal of photography, London, Jan. 10, 1908, v. 55, p. 34, Colour photography supplement, Jan. 3, 1908, p. 34.) MFA

1066. Gray, Edward. An amateur's first experience with autochrome plates. (Camera craft, San Francisco, April, 1908, v. 15, p. 132-134.) MFA

1067. Grimsehl, E. Ein eigentümlicher stereoskopischer Effekt. illus. (Physikalische Zeitschrift, Leipzig, 1908, Jahrg. 9, p. 109-110.) PAA

Professor von Rohr comments upon this effect in *Physikalische Zeitschrift*, 1908, Jahrg. 9, p. 201-202. There is a translation of these two contributions in *British journal of photography*, April 24, 1908, v. 55, p. 328-329, with comments on p. 338, 350, MFA.

"Interesting, not only because it suggests a pretty way of obtaining stereoscopic diagrams, but also because it may explain why the coloured starch grains are sometimes so noticeable when viewing autochrome pictures in the stereoscope."

1068. Guéhard, Adrien. Ueber den Lumière'schen photographischen Farbenprozess. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 164-167.) MFA

1069. Holme, Charles, editor. Colour photography, and other recent developments of the art of the camera. London, Paris and New York: Offices of "The Studio," 1908. 4 p.l., 9(1) p., 113 pl. (18 col'd.). 4°. † MFV

1070. Huebl, Arthur, Freiherr von. The colour properties of the autochrome plate and the processes of producing autochromes. illus. (British journal of photography, London, Nov. 6, 1908, v. 55, Colour photography supplement, p. 82-85.) MFA

1071. — The colours of the autochrome pictures in regard to their production. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 93-95.) MFA

1072. — Die Farbenphotographie. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 446-450.) MFA

Names various characteristics of the autochrome plate.

1073. — On the sensitiveness of the autochrome plate. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 30.) MFA

1074. — Temperature in development. (British journal of photography, London, Nov. 6, 1908, v. 55, Colour photography supplement, p. 88.) MFA

1075. — The theory of the autochrome plate. illus. (British journal of photography, London, Jan. 3, 1908, v. 55, Colour photography supplement, p. 5-7.) MFA

1076. — Zur Charakteristik der modernen Farbenphotographie. illus. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 496-502.) MFA

1077. Husník, Jaroslav. Meine Erfahrungen mit Lumières Autochromplatten. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 49-57.) MFA

Also printed in *British journal of photography*, London, March 6, 1908, v. 55, Colour photography supplement, p. 20, MFA.

1078. — Ueber die gleichmässige Farbenempfindlichkeit bei Autochromplatten. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 127-128.) MFA

1079. Intensification of the autochrome. (British journal of photography, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 76.) MFA

Suggests Monkhoven's silver cyanide process.

1080. Ives, Herbert Eugene. An experimental study of the Lippmann color photograph. (Astrophysical journal, Chicago, 1908, v. 27, p. 325-352.) OMA

Also printed in *British journal of photography*, London, 1908, v. 55, p. 942-944, 965-967, 979-982, MFA, and in *Zeitschrift für wissenschaftliche Photographie*, Leipzig, 1908, v. 6, p. 373-406, PLC.

1081. Jones, Chapman. Autochrome plates. (Knowledge & scientific news, London, May, 1908, new series, v. 5, p. 104.) OA

Method of intensifying apparently useless plates.

Also printed in *British journal of photography*, London, June 5, 1908, v. 55, Colour photography supplement, p. 46, MFA.

1082. — Kinematography in natural colours. (Nature, London, May 7, 1908, v. 78, p. 21.) OA

Brief account of G. Albert Smith's method.

1083. — The photography of colour. (Science progress, London, 1908, v. 2, p. 349-368.) OA

An excellent historical article.

1084. Jones, T. H. Simplified development of autochromes. (British journal of photography, London, Feb. 28, 1908, v. 55, p. 171.) MFA

1085. Juhl, Ernst. A Hamburg view of the work of Müller and the Hofmeisters. (British journal of photography, London, Oct. 2, 1908, v. 55, p. 752-753.) MFA

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1087. Laurvik, John Nilsen. The new color photography. illus. (International studio, New York, 1908, v. 34, p. xxi-xxiii.) † MAA

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1088. Law, E. F. Application of colour photography to metallography. (Iron and Steel Institute. Journal, London, 1908, v. 76, p. 151-154.) VHA

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1090. — The Purkinje phenomenon in photographic plates. (*British journal of photography*, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 11.) MFA

1091. — Ueber die Abstimmung der Lippmann-Platte. illus. (*Jahrbuch für Photographie und Reproduktionstechnik für 1908*, Halle a. S., 1908, Jahrg. 22, p. 157-164.) MFA

1092. Lenses for colour photography. (*British journal of photography*, London, March 6, 1908, v. 55, Colour photography supplement, p. 24.) MFA

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1093. Liesegang, Raphael Ed. Zur Geschichte der Farbenrasterfilms. (*Jahrbuch für Photographie und Reproduktionstechnik für 1908*, Halle a. S., 1908, Jahrg. 22, p. 147-151.) MFA

1094. Limmer, Fr. Über Farbausbleichpapiere. (*Photographische Korrespondenz*, Wien, 1908, Jahrg. 45, p. 463-467.) MFA

1095. Litchfield, Charles. Exposure in autochrome work and the use of different compensation filters. (*British journal of photography*, London, March 6, 1908, v. 55, Colour photography supplement, p. 24.) MFA

1096. Locquin, René. Autochromes by artificial light. (*British journal of photography*, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 75-76.) MFA

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1097. — Simplifying the handling of autochrome plates. (*Bulletin of photography*, Philadelphia, Oct. 21, 1908, v. 3, p. 259.) † MFA

1098. Lohmeyer, R. The gradation of plates in different colored lights. (*British journal of photography*, London, May 1, 1908, v. 55, Colour photography supplement, p. 40.) MFA

1099. Lumière, Auguste, and LOUIS LUMIÈRE. Chromodiascope. Appareil pour la vision des photographies polychromes. (*Société française de photographie. Bulletin*, Paris, 1908, série 2, tome 24, p. 486-487.) MFA

1100. — A new method of developing autochrome plates. (*American photography*, Boston, July, 1908, v. 2, p. 361-366.) MFA

1101. Lumière, Auguste, and others. Screen-plate processes of colour photography. (*British journal of photography*, London, June 5, 1908, v. 55, Colour photography supplement, p. 45-46.) MFA

1102. — Ueber die Entwicklung der Autochromplatten. illus. (*Jahrbuch für Photographie und Reproduktionstechnik für 1908*, Halle a. S., 1908, Jahrg. 22, p. 179-188.) MFA

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1104. McIntosh, J. Along the Thames with the autochrome plate. (*British journal of photography*, London, Sept. 4, 1908, v. 55, Colour photography supplement, p. 65-66.) MFA

Interview in which the author gives some details of development.

1105. — The light filter in autochrome photography. (*British journal of photography*, London, Nov. 6, 1908, v. 55, Colour photography supplement, p. 88.) MFA

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1106. Mareschal, G. La cuvette "Marbach" pour développement en plein jour des plaques autochromes. illus. (*Société française de photographie. Bulletin*, Paris, 1908, série 2, tome 24, p. 289-291.) MFA

1107. — Emploi de plaques autochromes en voyage. (*Photo-gazette*, Paris, May 25, 1908, année 18, p. 130-131.) MFA

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1108. — Nouvelle méthode de développement des plaques autochromes. (*Photo-gazette*, Paris, June 25, 1908, année 18, p. 152-155.) MFA

1109. Marriage, Ernest. Autochrome lantern slides. (*British journal of photography*, London, Dec. 16, 1908, v. 55, p. 970.) MFA

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1110. Martin-Duncan, F. The autochrome plate applied to natural science. (*Photographic journal*, London, April, 1908, new series, v. 32, p. 172-178.) MFA

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1111. — The autochrome plate in natural science. (British journal of photography, London, Jan. 3, 1908, v. 55, Colour photography supplement, p. 1.) **MFA**

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1112. Massiot, G. Matériel complet pour la projection des vues en couleurs sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 207-208.) **MFA**

1113. Mees, Charles Edward Kenneth. The construction of one-exposure cameras for three-colour photography. illus. (British journal of photography, London, Aug. 7, 1908, v. 55, Colour photography supplement, p. 58-60.) **MFA**

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1114. — [A one-exposure three-colour camera.] illus. (Photographic journal, London, July, 1908, new series, v. 32, p. 276-280.) **MFA**

1115. — The photography of coloured objects in principle and practice. illus. (British journal of photography, London, 1908, v. 55, p. 735-737, 754-756, 770-772, 788-791.) **MFA**

1116. — Screen-plate colour photography. (Society of Arts. Journal, London, Jan. 17, 1908, v. 56, p. 195-205.) **VA**

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1117. — Some measurements of Uto paper. illus. (British journal of photography, London, March 6, 1908, v. 55, Colour photography supplement, p. 17-18.) **MFA**

1118. Mees, Charles Edward Kenneth, and S. H. WRATTEN. Plates sensitised with dicyanin and photography of the infra-red. illus. (Photographic journal, London, Jan., 1908, new series, v. 32, p. 25-37.) **MFA**

1119. A Modified method for the assembling of three-colour prints on rotary stripping film. (British journal of photography, London, May 1, 1908, v. 55, Colour photography supplement, p. 37.) **MFA**

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1120. Monpillard, Félix. Methods of development and after-treatment. (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 49-51.) **MFA**

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1121. — Observations sur la technique des manipulations des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 231-242.) **MFA**

1122. Munro, L. Walker. Screen-plate processes. (British journal of photography, London, Jan. 3, 1908, v. 55, Colour photography supplement, p. 8.) **MFA**

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1123. Namias, Rodolfo. The preparation of non-filter orthochromatic plates by bathing. (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 52.) **MFA**

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1124. Eine Neue Lumière'sche Farbrasterplatte. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 372-373.) **MFA**

1125. The New Lumière screen-plate. illus. (British journal of photography, London, Aug. 7, 1908, v. 55, Colour photography supplement, p. 57-58.) **MFA**

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1126. A New Lumière screen-plate process. (British journal of photography, London, July 24, 1908, v. 55, p. 557-558.) **MFA**

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1127. Obermayer, Albert, Edler von. Zur Farbenphotographie. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 223-232.) **MFA**

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1128. Peaucellier, A. An exposure meter for autochromes. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 27.) **MFA**

1129. Permanganate stains on autochromes. (British journal of photography, London, June 19, 1908, v. 55, p. 465.) **MFA**

1130. Personnaz, Antonin. A propos des autochromes. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 179-183, 368-378.) **MFA**

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1131. Poulenc Frères. Lanterne spéciale pour plaques autochromes, construite par les Établissements Poulenc. illus. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 487-488.) **MFA**

1132. Power, H. D'Arcy. Autochrome notes. (Camera craft, San Francisco, Jan., 1908, v. 15, p. 31-33.) **MFA**

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1133. — Color photography. (Camera craft, San Francisco, 1908, v. 15, p. 311, 353; 1909, v. 16, p. 29, 73-74, 186-187, 321, 369.) **MFA**

Notes on progress.

1134. — The Lumière autochrome plate. (Camera craft, San Francisco, Jan., 1908, v. 15, p. 20-23.) **MFA**

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1135. — A new color plate. (Camera craft, San Francisco, June, 1908, v. 15, p. 229-230.) MFA
1136. — A new method of developing autochrome plates. (Camera craft, San Francisco, Sept., 1908, v. 15, p. 353-354.) MFA
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1137. — Progress in autochrome color work. (Camera craft, San Francisco, June, 1908, v. 15, p. 228.) MFA
1138. — Screen-plate color photography. (Camera craft, San Francisco, March, 1908, v. 15, p. 110-111.) MFA
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1139. — Simplified development of autochromes. (Camera craft, San Francisco, June, 1908, v. 15, p. 215-216.) MFA
1140. Powrie, John H. The Warner-Powrie process of screen plate colour photography. illus. (Photographic journal, London, Jan., 1908, new series, v. 32, p. 3-10.) MFA
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1143. Removing black spots from autochromes. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 96.) MFA
1144. Rockwood, George A. Color photography direct in the camera—impressions of a veteran professional. (Bulletin of photography, Philadelphia, July 8, 1908, v. 3, p. 30-31.) † MFA
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1150. Schinzel, Karl. Methoden der Katakromie. (Chemiker Zeitung, Cöthen, July 11, 1908, Jahrg. 32, p. 665-668.) †† VOA
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1151. Schmidt, Hans. Das Dreifarbenraster-Verfahren der Deutschen Raster Gesellschaft. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 95-96.) MFA
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1154. Simmen, Charles. An amidol formula for development of autochromes by inspection. (British journal of photography, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 9-10.) MFA
1155. — Possibilité de développer les plaques autochromes en lumière rouge, jaune ou verte. Variation de leur sensibilité. Appréciation du temps de pose. illus. (Société française de photographie. Bulletin, Paris, 1908, série 2, tome 24, p. 36-43.) MFA
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1159. — Sensitisers and desensitisers for bleach-out dyes. (British journal of photography, London, Nov. 6, 1908, v. 55, Colour photography supplement, p. 81-82.)

MFA

1160. — The "Uto" bleach-out process. (British journal of photography, London, Sept. 4, 1908, v. 55, Colour photography supplement, p. 68-69.)

MFA

1161. Spots on autochromes. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 95.)

MFA

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1164. — Colour photography with the autochrome plates. (British journal of photography, London, April 17, 1908, v. 55, p. 300-302.)

MFA

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1165. Stenger, Erich. The Krayn screen-plate process. (British journal of photography, London, March 6, 1908, v. 55, Colour photography supplement, p. 23-24.)

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1166. — Linienrasterplatten für Farbenphotographie. (Photographische Chronik, Halle a. S., Feb. 16, 1908, Jahrg. 15, p. 87-90.)

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1167. — Mosaic or line screen-plates from three-colour negatives. (British journal of photography, April 3, 1908, v. 55, Colour photography supplement, p. 30-31.)

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1174. — Farbenerscheinungen bei Gelatineemulsionen. (Photographische Chronik, Halle a. S., 1908, Jahrg. 15, p. 431-432.)

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1175. Szczepanik, Jan. Transformation photographs on autochrome plates. (British journal of photography, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 80.)

MFA

1176. The Thames colour plate. (British journal of photography, London, 1908, v. 55, p. 765, 802; Colour photography supplement, p. 24, 72.)

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1177. The Thames one-exposure colour process. illus. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 89-92.)

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1178. Thieme, Paul. Alcohol as an after-bath in colour-sensitising dry plates. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 29-30.)

MFA

Describes a variation of procedure recommended by Valenta for rapid bath-sensitising of gelatine plates.

1179. Three-colour filters. (British journal of photography, London, Feb. 7, 1908, v. 55, p. 111-112.)

MFA

Several questions answered editorially and formulas for red, green, and blue given.

1180. Tilney, F. C. Exhibition of photographic pictures in colours by T. and O. Hofmeister and H. W. Müller. (British journal of photography, London, Oct. 2, 1908, v. 55, p. 752-753.)

MFA

1181. — Where we stand in pictorial colour photography. (British journal of photography, London, Sept. 4, 1908, v. 55, Colour photography supplement, p. 66-68.)

MFA

1182. Torchon, Paul. A new method of developing autochrome plates. (Bulletin of photography, Philadelphia, Aug. 19, 1908, v. 3, p. 117-118.)

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1183. — Sulphide toning in autochrome work. (British journal of photography, London, Aug. 7, 1908, v. 55, Colour photography supplement, p. 60.)

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1184. Traut, H. Beiträge zur Geschichte der Dreifarbenphotographie. (Photographische Chronik, Halle a. S., Jan. 26, 1908, Jahrg. 15, p. 49-54.) †MFA

Reviews the work of Joseph Alberts from 1874 to 1883.

1185. Tschöerner, Ludwig. Über Otto Pfenningers Photographien in natürlichen Farben. illus. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 496-502.) MFA

1186. L'Unichrome. (British journal of photography, London, June 5, 1908, Colour photography supplement, p. 47.) MFA

A universal developer especially designed for autochrome plates.

1187. Valenta, Eduard. Experiments on the sensitising power of some new dyes. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 31-32.) MFA

1188. — Two varnish formulae. (British journal of photography, London, March 6, 1908, v. 55, Colour photography supplement, p. 20.) MFA

1189. — Über die Autochromeplatte. illus. (Photographische Korrespondenz, Wien, 1908, Jahrg. 45, p. 24-29.) MFA

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1190. — Zur Kenntnis der Autochromplatten. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 143-145.) MFA

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1192. Wall, Edward John. A diagrammatic explanation of the autochrome process. illus. (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 55-56.) MFA

1193. — A green-light carbon. illus. (British journal of photography, London, April 3, 1908, v. 55, Colour photography supplement, p. 28-29.) MFA

1194. — The H. & D. number of the autochrome plate. illus. (British journal of photography, London, July 3, 1908, v. 55, Colour photography supplement, p. 56.) MFA

1195. — The Society of Colour Photographers' exhibition. (British journal of photography, London, June 5, 1908, v. 55, Colour photography supplement, p. 41.) MFA

1196. Wallace, Robert James. The autochrome plate. (Popular astronomy, Northfield, Minn., 1908, v. 16, p. 83-91.) OMA

Partial reprint in *British journal of photography*, London, March 6, 1908, v. 55, Colour photography supplement, p. 21-23, MFA.

Gives results of precise measurements.

1197. — The function of a color-filter and isochromatic plate in astronomical photography. (*Astrophysical journal*, Chicago, 1908, v. 27, p. 106-124.) OMA

1198. Wallon, Étienne. Autochromie et trichromie. (*Société française de photographie. Bulletin*, Paris, 1908, série 2, tome 24, p. 381-402.) MFA

Also printed in *Photo-gazette*, Paris, Dec. 25, 1908, année 19, p. 23-30, MFA.

1199. Warburg, J. C. Monsieur Meys' autochrome pictures. (British journal of photography, London, 1908, v. 55, Colour photography supplement, p. 33-34, 48.) MFA

Description of exhibition at Cannes.

1200. Ward, John J. A remedy for flat autochromes. (British journal of photography, London, Jan. 3, 1908, v. 55, p. 8.) MFA

1201. The Warner-Powrie screen-plate. (British journal of photography, London, Sept. 4, 1908, v. 55, Colour photography supplement, p. 72.) MFA

1202. Watkins, Alfred. The light filter in autochrome photography. (British journal of photography, London, Dec. 4, 1908, v. 55, Colour photography supplement, p. 96.) MFA

1203. — A simple autochrome method. (British journal of photography, London, Oct. 2, 1908, v. 55, Colour photography supplement, p. 73-74.) MFA

Suggestions for exposure and development.

Also printed in *Bulletin of photography*, Philadelphia, Nov. 4, 1908, v. 3, p. 293-296, †MFA, and *Photo-era*, Boston, Feb., 1909, v. 22, p. 83-89, MFA.

1204. The Watkins special Bee meter for autochrome plates, made by the Watkins Meter Co., Hereford. (British journal of photography, London, Feb. 7, 1908, v. 55, Colour photography supplement, p. 15-16.) MFA

1205. Worel, Karl. Das Verfahren mit den Autochromplatten der Gebrüder Lumière. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1908, Halle a. S., 1908, Jahrg. 22, p. 49-53.) MFA

1206. Zeiss autochrome accessories. (British journal of photography, London, Jan. 10, 1908, v. 55, p. 30-31.) MFA

Reference to camera and to carrier for light filter.

1909

1207. Abney, Sir William de Wiveleslie. Exposures for colour negatives. (*Photographic journal*, London, Oct., 1909, new series, v. 33, p. 341-342.) MFA

Also printed in *British journal of photography*, London, Jan. 7, 1910, v. 57, p. 2-3, MFA.

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1209. Alcide Ducos du Hauron. (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 80.) MFA

Obituary notice.

1210. The Aurora colour plate. illus. (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 23.) MFA

1211. Autochrome plates. (British journal of photography, London, March 26, 1909, v. 56, p. 257.) MFA

Brief reference to reduction in price.

1212. Bayley, R. Child. Color plates compared. illus. (Bulletin of photography, Philadelphia, Feb. 10, 1909, v. 4, p. 89-90.) MFA

Comparison of Thames and Omnicolor plates.

1213. — Comparisons of colour screen-plates. (British journal of photography, London, Jan. 29, 1909, v. 56, p. 89.) MFA

Praises the autochrome.

1214. — The complete photographer. New York: Doubleday, Page & Co., 1909. xv, 410 p., 1 l., 60 pl., 5 ports. 3. ed. illus. 8°. MFE

Clear account of autochrome principle, p. 283-291.

1215. — Reproduction par contact et par réduction des chromotypes sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 325-329.) MFA

1216. Bennett, Colin N. The Thames plate as a fix-out process. illus. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 57-59.) MFA

Non-reversal duplication process.

1217. — Thames plates and colour adjustments. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 89-90.) MFA

1218. The Bleachout process. (British journal of photography, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 88.) MFA

Refers to German patent no. 209993 of Dr. H. Stobbe.

1219. Bordeaux, Jules. La photographie et les couleurs. (Revue générale, Bruxelles, 1909, v. 90, p. 905-922.) * DM

1220. Bourke, Walter. An autochrome experience. (British journal of photography, London, Sept. 17, 1909, v. 56, p. 735.) MFA

Asks why the color disappeared from an autochrome plate after having been finished in the usual

way. Answers from three correspondents in above journal, Oct. 1, 1909, v. 56, Colour photography supplement, p. 80.

1221. Bourrée, M. H. Practical notes on the autochrome process. (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 22.) MFA

Directions for developing, reducing, and drying.

1222. Calmels, H. Nouveaux écrans colorés de Wratten and Wainwright, Ltd. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 409-410.) MFA

1223. Carr, Sydney Herbert. The intensification of autochromes. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 64.) MFA

1224. Chéron, André. Appareil pour la photographie et la projection en couleurs par sélection trichrome. illus. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 117-121.) MFA

Also printed in *Photo-gazette*, Paris, April 25, 1909, année 19, p. 109-112, MFA.

1225. — A portable camera for one-exposure colour photography. illus. (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 20-21.) MFA

1226. Collodion emulsion. (British journal of photography, London, Sept. 17, 1909, v. 56, p. 730.) MFA

Tells how to avoid spots.

1227. Colour photography at the Dresden Exhibition. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 41-42.) MFA

1228. Comley, Henry J. Color photography. (In: J. B. Schriever, Complete self-instructing library of practical photography. Scranton, 1909. 8°. v. 8, p. 507-556.) MFD

Detailed instructions for autochromes, three-color photography, and pinatype.

1229. Corke, H. Essenhigh. Studio portraiture with the Thames plate. (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 65-66.) MFA

1230. — Uto prints from the Thames plates. (British journal of photography, London, March 5, 1909, v. 56, p. 23-24.) MFA

1231. Coustet, Ernest. Les plaques omnicolors. illus. (Photo-gazette, Paris, April 25, 1909, année 19, p. 101-108.) MFA

Details of exposure and development.

1232. Crémier, Victor. Pour les débutants "Autochromistes." (Photo-gazette, Paris, Sept. 25, 1909, année 19, p. 190-195.) MFA

Exposure and development.

1909, continued.

1233. — Some essential points in the autochrome process. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 94.)

MFA

1234. — Sur la traduction des couleurs par la plaque "autochrome." (Photo-gazette, Paris, Nov. 25, 1909, année 20, p. 4-12.)

MFA

1235. Dalmas, R., comte de. Produit pour l'inversion des plaques autochromes en voyage. (Société française de photographie. Bulletin, Paris, 1909; série 2, tome 25, p. 102-103.)

MFA

Also printed in *British journal of photography*, London, May 7, 1909, v. 56, Colour photography supplement, p. 40, MFA.

1236. Damry, A. On the intensification of autochromes. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 5.)

MFA

1237. Daur, Guido. Mixtures of dyes as sensitisers of gelatine plates. illus. (British journal of photography, London, 1909, v. 56, p. 572-575, 592-595, 610-612, 630-633, 649-652.)

MFA

An abridged translation of thesis presented at the University of Münster.

1238. Developing panchromatic plates. (British journal of photography, London, July 16, 1909, v. 56, p. 546.)

MFA

Brief reference to acid developer for red sensitive plates. German patent granted to R. Krayn.

1239. Devices for the automatic demonstration of facts of light, colour, and photography. illus. (British journal of photography, London, 1909, v. 56, p. 476-480, 499-501.)

MFA

Devices used by Dr. Goldberg at the Dresden Exhibition.

1240. Dillaye, Frédéric. Le développement surveillé des plaques autochromes. illus. (In his: Les nouveautés photographiques 1909. Paris, 1909. 8°. p. 108-117.)

MFA

1241. — Exposé et critique d'un nouveau mode de traitement des plaques autochromes. (In his: Les nouveautés photographiques 1909. Paris, 1909. 8°. p. 117-124.)

MFA

1242. D'Osmond, H. Le portrait instantané sur autochromes. illus. (Photo-gazette, Paris, June 25, 1909, année 19, p. 141-146.)

MFA

Also printed in *British journal of photography*, London, Aug. 6, 1909, v. 56, p. 60-61, MFA.

1243. Drake - Brockman, H. G. Autochromes and extremes of contrast. (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 73.)

MFA

Also printed in *Photo-gazette*, Paris, March 25, 1910, année 20, p. 86-89, MFA.

1244. The Dufay diophtichrome screen-plates. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 39.)

MFA

1245. Engelken. Ozo-pintype in monochrome and colour photographs. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 36-37.)

MFA

1246. Facsimile reproduction of coloured originals. (British journal of photography, London, April 23, 1909, v. 56, p. 328.)

MFA

Editorial comment that Dr. Mees's book omits a certain process. Dr. Mees answers in the issue of April 30, 1909, v. 56, p. 348.

1247. The Fading of the autochrome colour screen. (British journal of photography, London, July 9, 1909, v. 56, p. 540.)

MFA

1248. Farbige Kinematographen - Aufnahmen (Kinemacolor). (Photographische Mitteilungen, Berlin, 1909, Bd. 46, p. 120-121.)

MFA

1249. Farmer, Howard. The reproduction of autochromes. (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 71-72.)

MFA

1250. Fenske, E. The Aurora colour filter-plate. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 32.)

MFA

1251. — A method of producing positives direct on gelatine plates. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 48.)

MFA

1252. Flashlight autochrome portraits. (British journal of photography, London, Feb. 5, 1909, v. 56, Colour photography supplement, p. 16.)

MFA

Method of Mr. B. J. Falk.

1253. Forestier, E. Photographie des couleurs. Trichromie. (Photo-gazette, Paris, Oct. 25, 1909, année 19, p. 208-212.)

MFA

Geisler process.

1254. Four-colour stereoscopic photography. illus. (British journal of photography, London, Jan. 29, 1909, v. 56, p. 88.)

MFA

British patent no. 28764 of 1907. For comments see issue of Feb. 25, 1909, v. 56, p. 98.

1255. Frank, Max. Die Farbenphotographie auf der Dresdener Ausstellung. (Photographische Chronik, Halle a. S., Oct. 13, 1909, Jahrg. 16, p. 513-515.)

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1256. Friedburg, L. H. Ueber die Photographie in Farben. illus. (Technologist, New York, 1909, v. 14, p. 137-157.)

VA

Historical.

1909, continued.

1257. **Fritz, Felix.** A suggested modification of the Krayn screen-plate. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 8.) **MFA**

1257a. **Gargam de Moncetz.** Formule de sensibilisation chromatique pour le rouge extrême et le commencement de l'infra rouge. (Académie des sciences. Comptes rendus, Paris, Nov. 15, 1909, tome 149, p. 851-852.) * **EO**

1258. **Gebhard, Kurt.** Eine Bemerkung zum Ausbleichverfahren. (Photographische Korrespondenz, Wien, Feb., 1909, Bd. 46, p. 63-65.) **MFA**

1259. — Nachtrag zur Theorie des Ausbleichverfahrens. (Photographische Korrespondenz, Wien, Dec., 1909, Bd. 46, p. 557.) **MFA**

1260. — Notiz zum Ausbleichverfahren. (Photographische Korrespondenz, Wien, June, 1909, Bd. 46, p. 280.) **MFA**

1261. — Zur Theorie des Ausbleichens organischer Farbstoffe. (Photographische Korrespondenz, Wien, April, 1909, Bd. 46, p. 185-186.) **MFA**

1262. — Zur Theorie des Ausbleichverfahrens. (Photographische Korrespondenz, Wien, 1909, Bd. 46, p. 457-470, 508-517, 553-557.) **MFA**

1263. **Gephard, Karl.** A contribution to the chemistry of the bleach-out process. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 31-32.) **MFA**

1264. **Gilchrist, Charles A.** Color photography. illus. (Bulletin of photography, Philadelphia, 1909, v. 4, p. 379-380; v. 5, p. 8-9, 38-41.) † **MFA**

General article.

1265. **The Goerz autochrome dark-slide.** illus. (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 24.) **MFA**

1266. **Goldsmith, Alfred Norton.** Modern practice in color photography. (School of Mines quarterly, New York, 1909, v. 30, p. 130-138.) **OA**

1267. **Gravier, Charles.** La photographie des couleurs simplifiée. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 411-412.) **MFA**

Simplification of autochrome procedure.

1268. **A Half-guinea autochrome outfit.** (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 24.) **MFA**

Plates, filter, chemicals, measures, etc., supplied by The Lumière N. A. Co.

1269. **The Henderson award.** (British journal of photography, London, Oct. 1,

1909, v. 56, Colour photography supplement, p. 80.) **MFA**

Brief reference to grant to Mr. C. L. Finlay for his work in connection with the Thames plate.

1270. **Die Herstellung des Rasters der Omnicoloreplatte.** (Photographische Chronik, Halle a. S., May 5, 1909, Jahrg. 16, p. 227.) † **MFA**

1271. **Hitchins, Alfred Bishop.** An autochrome hint. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 64.) **MFA**

Method of overcoming blueness.

1272. **Houdaille.** Recherches expérimentales sur la détermination du temps de pose des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 292-297.) **MFA**

Also printed in *British journal of photography*, London, Sept. 5, 1909, v. 56, Colour photography supplement, p. 69-71, *MFA*.

1273. **Huebl, Arthur, Freiherr von.** The compensation filter for the autochrome plate. illus. (British journal of photography, London, 1909, v. 56, Colour photography supplement, p. 14-15, 17-18.) **MFA**

1274. — The correct orthochromatic light-filter. illus. (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 74-78.) **MFA**

Author employs the sector-disc apparatus of Ahney for measuring the luminosities of the colored papers used in making the test chart.

1275. — The effect of illumination on exposure and viewing of autochromes. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 26-29.) **MFA**

1276. — [Metallic screens for autochromes.] illus. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 47.) **MFA**

1277. — The sensitiveness of dyes to light. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 63-64.) **MFA**

Use of glycerine, salts of arsenic, and other substances to promote bleaching.

1278. **Johnson, George Lindsay.** Photographic optics and colour photography, including the camera, kinematograph, optical lantern, and the theory and practice of image formation... London: Ward & Co., 1909. x, 332 p. illus. 8°. **MFH**

1279. **Jouglà, J., the younger.** Sur les plaques "Omnicolores" de la Société Jouglà. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 199-203.) **MFA**

1280. **Klein, Henry Oscar.** My experience with the autochrome plate. (American annual of photography for 1910, New York, 1909, v. 24, p. 130-133.) **MFA**

1909, *continued.*

1281. Knowles, Hugh C. Screen plate color photography. (American annual of photography for 1910, New York, 1909, v. 24, p. 38-41.) MFA

Discusses different commercial plates.

1282. The Latest color plate — the Omnicolore. illus. (Bulletin of photography, Philadelphia, Feb. 10, 1909, v. 4, p. 88-89.) † MFA

1283. Lefort, V. Les peintres et la photographie des couleurs. (Photo-gazette, Paris, May 25, 1909, année 19, p. 136-138.) MFA

Relation of color photography to art.

1284. Lehmann, Johannes Moritz. Highly reflecting lantern screens for autochrome and other projections. illus. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 44-47.) MFA

1285. — A three-colour projection lantern. illus. (British journal of photography, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 88.) MFA

1286. — Ueber einen neuen Projektionschirm mit metallischer Oberfläche für farbige und lichtschwache Bilder. (Photographische Chronik, Halle a. S., 1909, Jahrg. 16, p. 245-248, 256-260.) † MFA

1287. Lelong, Adrien. Autochrome work without a dark-room. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 60.) MFA

Describes developing dish and development.

1288. — A suggested method of obtaining paper prints from screen-plates. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 33-34.) MFA

1289. Lenses for colour work. (British journal of photography, London, Oct. 15, 1909, v. 56, p. 804.) MFA

Recommends the Zeiss Apochromatic Tessar.

1290. Leon, L. C. An unsuspected cause of failure in autochrome work. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 64.) MFA

Chromatic aberration due to unscrewed cell of lens.

1291. Letouzey, V. Appareil pour voir par transparence les plaques à réseau polychrome, construit par M. E. Lorillon. illus. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 83-84.) MFA

1292. Limmer, Fr. Eine Betrachtung über die Fixierung von Farbenanpassungsbildern. (Photographische Korrespondenz, Wien, May, 1909, Bd. 46, p. 226-227.) MFA

1293. — Ein Fortschritt auf dem Gebiete der indirekten Farbenphotographie. (Zeitschrift für angewandte Chemie, Leipzig, 1909, Jahrg. 22, p. 14-15.) PKA

Szczepanik process.

1294. — Sensibilisatoren für das Farbenanpassungsverfahren. (Photographische Korrespondenz, Wien, 1909, Jahrg. 46, p. 4-14.) MFA

Comment on Dr. Smith's article in *British journal of photography* on sensitizers and desensitizers for the bleachout process.

1295. — Die Szczepanik-Hollborn-Vera-colorplatte. illus. (Photographische Korrespondenz, Wien, Aug., 1909, Bd. 46, p. 373-379.) MFA

Also printed in *British journal of photography*, London, July 2, 1909, v. 56, Colour photography supplement, p. 49-51, MFA.

1296. — Eine Zusammenstellung der für das Farbenanpassungsverfahren wichtigen Literatur. (Photographische Korrespondenz, Wien, March, 1909, Bd. 46, p. 104-106.) MFA

Bibliography covering years 1801-1908.

1297. Loewy, Alfred. Über Dunkelkammerbeleuchtung, Haltbarkeit der Autochromplatten und anderes aus der Praxis der Autochromphotographie. (Photographische Korrespondenz, Wien, 1909, Bd. 46, p. 121-123, 159-166.) MFA

Translation in *British journal of photography*, London, May 7, 1909, v. 56, Colour photography supplement, p. 37-38, MFA.

Deals with darkroom safety light, a three-solution pyro formula, intensifying and reducing, tests for permanency, and the action of heat upon the plate.

1298. Lotus, H. Nouveau procédé de fabrication de plaques en couleurs. (Photo-gazette, Paris, Dec. 25, 1909, année 20, p. 36-37.) MFA

Szczepanik process.

1299. Lumière, Auguste. Traitement simplifié des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 449-451.) MFA

1300. Lumière, Auguste, and LOUIS LUMIÈRE. A magazine apparatus for the viewing of autochromes. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 8.) MFA

Communication to the Société française de photographie. Apparatus is called the chromodiascope.

1301. — Note sur un dispositif permettant de reproduire, par contact, des chromotypes obtenus sur plaques autochromes. illus. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 457-459.) MFA

1302. Lumière, Auguste, and others. Sur la correction de la surexposition et de la sousexposition au cours du développement dans le traitement simplifié des

1909, continued.

plaques autochromes. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 210-213.) **MFA**

Also printed in *British journal of photography*, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 67, *MFA*.

1303. — Ueber die Möglichkeit, den Expositionsgrad der Autochromplatten abzuschätzen und die Zusammensetzung des Entwicklers im Laufe der Entwicklung zu modifizieren, um die über- oder unterexponierten Bilder zu verbessern. (Jahrbuch für Photographie und Reproduktionstechnik für 1909, Halle a. S., 1909, Jahrg. 23, p. 27-31.) **MFA**

1304. Luther, R. A new colour process. (British journal of photography, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 88.) **MFA**

Process of Russian inventor Loundin. Claims that instantaneous exposures may be given.

Also printed in *Bulletin of photography*, Philadelphia, Dec. 29, 1909, v. 5, p. 408, *MFA*.

1305. Makers' instructions for the use of the "omnicolore" plates. (British journal of photography, London, Feb. 5, 1909, v. 56, Colour photography supplement, p. 13-14.) **MFA**

Translated abstract of booklet issued by Messrs. Jouglé.

1306. Making autochromes by enclosed arc light. (British journal of photography, London, Jan. 29, 1909, v. 56, p. 86.) **MFA**

Brief reference to filter.

1307. Malby, H. T., and others. The autochrome process in many hands. (Photographic journal, London, March, 1909, new series, v. 33, p. 136-142.) **MFA**

1308. Mareschal, G. The effect of developing solution on the sensitiveness of the autochrome plate. (British journal of photography, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 88.) **MFA**

1309. — Emploi des plaques autochromes ayant subi l'action du développement. (Photo-gazette, Paris, Oct. 25, 1909, année 19, p. 213.) **MFA**

1310. — Persistance de la sensibilité chromatique des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 410-411.) **MFA**

1311. — Reproduction des plaques en couleurs. (Photo-gazette, Paris, Dec. 25, 1909, année 20, p. 37-38.) **MFA**

Results of prize contest by the journal *La Vulgarisation scientifique*.

1312. Martin-Duncan, F. Some further experiments with the autochrome plate.

(British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 25.) **MFA**

Suggestions as to development. Use of special Lumière screen made for microphotography with the electric arc.

1313. Mees, Charles Edward Kenneth. Characteristics of the "omnicolore" screen-plate. illus. (British journal of photography, London, Feb. 5, 1909, v. 56, Colour photography supplement, p. 9-11.) **MFA**

1314. — Color and photography. (American annual of photography for 1910, New York, 1909, v. 24, p. 20-23.) **MFA**

1315. — The photography of coloured objects. New York: Tennant & Ward [1909], vi, 69 p. illus. 8°. **MFK**

Reviewed in *British journal of photography*, London, April 16, 1909, v. 56, p. 311, *MFA*. The Library also has 4th edition entered under Eastman Kodak Company.

1316. — A report on the present condition of sensitometry. (British journal of photography, London, Sept. 3, 1909, v. 56, p. 685-687.) **MFA**

See section on color sensitometry.

1317. Meister Lucius & Brüning. Instructions for the use of Hoechst filter dyes. (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 79.) **MFA**

1318. Merckens, W. Colour prints on paper by the bleachout process. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 1-2.) **MFA**

Suitable dyes for the purpose. Translation of part of an article in the *Revue technique et industrielle*.

1319. Miethe, Adolf. Photographische Aufnahmen vom Ballon aus. Nach einer Serie von Vorträgen, die im Auftrag des Berliner Vereins für Luftschiffahrt gehalten worden sind. Halle a. S.: Wilhelm Knapp, 1909. 3 p.l., 70 p., 1 pl. 8°. (Encyklopädie der Photographie. Heft 68.) **MFP**

Contains a chapter on three-color aerial photography, for a translation of which see *British journal of photography*, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 86, *MFA*.

1320. — Unter der Sonne Oberägyptens neben den Pfaden der Wissenschaft. Berlin: Dietrich Reimer, 1909. 4 p.l., 263(1) p. illus. 8°. **BLF**

"These [the illustrations] are not only in monochrome, but include some fifty examples of colour photography from nature by the three-exposure method, which Professor Miethe may be said to have used more extensively and to better effect than anyone else as a result of his introduction of the isocyanine sensitizers." — From a review in the *British journal of photography*, London, July 2, 1909, v. 56, Colour photography supplement, p. 56, *MFA*.

1321. Miller, Malcolm Dean. The autochrome process. (American annual of photography for 1909, New York, 1908, v. 13, p. 77-78.) **MFA**

1909, continued.

1322. **Monpillard, Félix.** Écran pour la microphotographie sur plaques autochromes, avec la lumière oxyhydrique. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 245-247.) **MFA**

Also printed in *British journal of photography*, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 61-62, **MFA**.

1323. — Étude sur les dominantes colorées en photographie autochrome. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 404-409, 419-426.) **MFA**

1324. — Indoor autochrome portraits by flashlight. (British journal of photography, London, July 2, 1909, v. 56, Colour photography supplement, p. 51-52.) **MFA**

From the *Bulletin of the Société française de photographie*.

1325. **Mueller, Gustav.** On the redevelopment of autochromes which have practically disappeared in the fixing bath. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 40.) **MFA**

1326. **N., A. J.** Imperfect register in three-colour work. (British journal of photography, London, April 9, 1909, v. 56, p. 290.) **MFA**

1327. **Namias, Rodolfo.** The conversion of silver images into those of lead and other metals and the use of the compounds as mordants for obtaining prints in different colours. (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 68-69.) **MFA**

1328. — Lead compounds as fixatives of dyes in three-colour projection. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 91.) **MFA**

1329. **New Lumière plate.** (Bulletin of photography, Philadelphia, Dec. 29, 1909, v. 5, p. 408.) † **MFA**

Brief reference to autostereoscopic plate.

1330. **Niewenglowski, Gaston Henri.** Coloured films on metallic surfaces in relation to colour photography. (British journal of photography, London, Feb. 5, 1909, v. 56, Colour photography supplement, p. 16.) **MFA**

Describes the experiments of Joseph Girard.

1331. **Obermayer, Albert, Edler von.** Dreifarbenkameras für einmalige Exposition u. a. — Die Dufay-Platte. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1909, Halle a. S., 1909, Jahrg. 23, p. 170-176.) **MFA**

1332. **Die Omnicolor - Platte.** (Photographische Welt, Leipzig, April, 1909, Jahrg. 23, p. 49-51.) **MFA**

Formulas for working.

1333. **The Omnicolor plate in practice.** (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 42-43.) **MFA**

1334. **The Omnicolor plates.** (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 48.) **MFA**

1335. **The Omnicolor screen-plate.** (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 38-39.) **MFA**

1336. **The Omnicolor screen-plate.** (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 96.) **MFA**

"It is very evident that omnicolor transparencies must be kept away from strong light if they are to be preserved."

1337. **Die Omnicolor-Platte für Farbenphotographie.** (Photographische Mitteilungen, Berlin, 1909, Bd. 46, p. 74.) **MFA**

1338. **Palocsay, Albin von.** Neue Erfahrungen aus der Praxis des Autochromprozesses. illus. (Photographische Korrespondenz, Wien, Dec., 1909, Bd. 46, p. 569-579.) **MFA**

Apparatus for viewing.

1339. **Panchromatic collodion emulsion.** (British journal of photography, London, July 16, 1909, v. 56, p. 557.) **MFA**

Uses pinaverdol and ethyl violet.

1340. **Perkins, Henry Farnham.** Color photography as a paying proposition. (American annual of photography for 1910, New York, 1909, v. 24, p. 102-104.) **MFA**

1341. **Personnaz, Antonin.** Apropos of autochromes. (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 67-68.) **MFA**

Defends autochromes as "art."

1342. **Pledge, John H.** The properties of the Dufay dioptrichrome screen-plate and the new Warner-Powrie screen-plate. illus. (British journal of photography, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 81-83.) **MFA**

1343. **Poulenc Frères.** Appareil pour l'examen des vues par transparence et notamment des vues sur plaques autochromes. illus. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 39-40.) **MFA**

1344. **Power, H. D'Arcy.** Bromide prints in two or more colors. illus. (Camera craft, San Francisco, Oct., 1909, v. 16, p. 385-393.) **MFA**

1909, *continued*.

1345. — Simplified development of autochromes. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 5-6.) **MFA**

Uses rodinal or amidol for the first development.

1346. Powrie, John H. La "Florence heliochromic plate." illus. (Société française de photographie. Bulletin, Paris, 1909, série 2, tome 25, p. 386-393.) **MFA**

1347. Practical methods of autochrome photography. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 29-31.) **MFA**

1348. Quentin, H. Color photography. The "omnicolor" plate. (Scientific American supplement, New York, 1909, v. 67, p. 359.) **†† VA**

1349. — Reproduction of screen-plate transparencies in paper. (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 78-79.) **MFA**

Three negatives are made from autochrome plate through appropriate screens and prints made by a method such as the three-color carbon process.

1350. Renwick, F. F. Isolating the filter cuts of a screen-plate. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 95.) **MFA**

1351. Reproductions of autochromes. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 96.) **MFA**

Warns against entrusting autochromes to photo-engravers who are careless in regard to the heat from arc lights.

1352. Revised prices of autochrome plates. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 32.) **MFA**

Prices of different sized plates and of chemicals.

1353. Scheffer, W. Further notes on the "omnicolor" plate. illus. (British journal of photography, London, March 5, 1909, v. 56, p. 18-19.) **MFA**

1354. — Notes on the degree of fineness of colour screen-plates. illus. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 62-63.) **MFA**

1355. — Die Omnicolor-Platte. illus. (Photographische Korrespondenz, Wien, 1909, Bd. 46, p. 318-322, 482-484.) **MFA**

1356. — On a new type of Warner-Powrie screen-plate. illus. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 43-44.) **MFA**

1357. — The structure and properties of the "omnicolor" plate. illus. (British journal of photography, London, Feb. 5, 1909, v. 56, Colour photography supplement, p. 11-13.) **MFA**

1358. Schloemann, Eduard. Die neueren Forschungen in der Farbenphotographie nach Gabriel Lippmann. (Photographische Korrespondenz, Wien, 1909, Bd. 46, p. 355-372, 407-414.) **MFA**

Bibliography, p. 413-414.

1359. Seyewetz, A. Die Autochromplatte. (Photographische Mitteilungen, Berlin, 1909, Bd. 46, p. 295-300, 309-312.) **MFA**

Abstract of paper read before the Congress of Applied Photography in Dresden.

1360. Sforza, Francis. Autochromes and the Sterry method. (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 95-96.) **MFA**

States that the Sterry solution is useless as restraining the development of autochrome plates.

1361. — Suggested processes of heliochromy. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 64.) **MFA**

Hopes for "a sensitive film formed of a perfectly combined mixture of three emulsions sensitised for the three primary colours...to be developed by the most simple treatment."

1362. Simplified treatment of autochrome plates. (British journal of photography, London, April 2, 1909, v. 56, Colour photography supplement, p. 26.) **MFA**

Suggestions by the Lumière N. A. Co.

1363. Smith, John H. Note on the influence of the presence of photographic developing agents in the bleachout process. (British journal of photography, London, March 5, 1909, v. 56, Colour photography supplement, p. 23.) **MFA**

1364. — Printing frame for autochrome and other colour-screen positives. illus. (British journal of photography, London, Jan. 1, 1909, v. 56, Colour photography supplement, p. 2-5.) **MFA**

1365. Spots on autochromes. (British journal of photography, London, Jan. 22, 1909, v. 56, p. 76.) **MFA**

1366. Stereoscopic autochromes. (British journal of photography, London, Aug. 6, 1909, v. 56, Colour photography supplement, p. 59.) **MFA**

1367. Stobbe, Hans. Bleach-out colour photographs. (British journal of photography, London, July 2, 1909, v. 56, Colour photography supplement, p. 56.) **MFA**

Abstract of German patent.

1368. Stolze, F. Belichtung für die Schatten und Belichtungsverhältnisse für Dreifarbenfilter. (Photographische Chronik, Halle a. S., March 3, 1909, Jahrg. 16, p. 117-118.) **† MFA**

1909, continued.

1369. **Streissler, Alfred.** Ein neues Raster für die Farbenphotographie der Gebr. Lumière. (Photographische Welt, Leipzig, Aug., 1909, Jahrg. 23, p. 121-122.) **MFA**
D. R. P. No. 207750.
1370. **Szczepanik, Jan.** Protective varnishes for the autochrome plate. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 48.) **MFA**
1371. **The Thames colour plate.** (British journal of photography, London, July 2, 1909, v. 56, Colour photography supplement, p. 56.) **MFA**
Extracts from instructions issued by the company.
1372. **The Thames colour plate.** (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 66.) **MFA**
Suggested development for new combined form of the plate.
1373. **The Thames colour plate.** (British journal of photography, London, 1909, v. 56, p. 111, 150, 170, 186, 258.) **MFA**
1374. **Thames Colour Plate Company.** Monochrome and colour results at one exposure. (British journal of photography, London, June 4, 1909, v. 56, Colour photography supplement, p. 48.) **MFA**
1375. **The Thames Colour Plate Co.** (British journal of photography, London, Oct. 1, 1909, v. 56, Colour photography supplement, p. 80.) **MFA**
Brief account of their exhibition.
1376. **The Thames Colour Plate, Ltd.** (British journal of photography, London, Dec. 3, 1909, v. 56, Colour photography supplement, p. 96.) **MFA**
Gives a list of the incorporators.
1377. **Thieme, Paul.** Autochrom-Aufnahmen auf Reisen. (Photographische Mitteilungen, Berlin, 1909, Bd. 46, p. 81-84.) **MFA**
Also printed in *British journal of photography*, London, May 7, 1909, v. 56, Colour photography supplement, p. 40, **MFA**.
1378. **Thovert, J.** Instantaneous exposures on the autochrome plate. (British journal of photography, London, July 2, 1909, v. 56, Colour photography supplement, p. 52-53.) **MFA**
1379. **Three - colour projection.** (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 72.) **MFA**
The mirror in the Ives kromoskop is replaced by a prism.
1380. **Toch, Maximilian.** The Lumière color process simplified. (American photography, Boston, May, 1909, v. 3, p. 274-278.) **MFA**
Suggestions for development.
Also printed in *Photo-era*, Boston, July, 1909, v. 23, p. 20-23, **MFA**.
1381. **Valenta, Eduard.** Einiges über Omnicoloreplatte. (Photographische Korrespondenz, Wien, May, 1909, Bd. 46, p. 234-236.) **MFA**
For colored illustration showing grains of autochrome, omnicolore, Warner-Powrie, and Thames plates, see November number, opp. p. 552.
1382. — Meine Erfahrungen mit der "Omnicoloreplatte." (Jahrbuch für Photographie und Reproduktionstechnik für 1909, Halle a. S., 1909, Jahrg. 23, p. 150-153.) **MFA**
1383. — Die Thames Farbenplatte. illus. (Photographische Korrespondenz, Wien, Jan., 1909, Bd. 46, p. 32-35.) **MFA**
1384. **Vereinfachte Arbeitsanweisung für die Entwicklung der Autochromplatten.** (Photographische Mitteilungen, Berlin, 1909, Bd. 46, p. 121.) **MFA**
1385. **Wall, Edward John.** Photography in colours. (Photographic journal, London, Nov., 1909, new series, v. 33, p. 379-380.) **MFA**
Quotes from a four-page pamphlet in Spanish on the Seebeck process.
1386. **Warburg, J. C.** Autochrome prices — a protest. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 40.) **MFA**
1387. **Ward, Henry Snowden.** Orthochromatics, light-filtering, color photography. (Photographic annual, London, 1909, 5th ed., p. 30-45.) **MFA**
Recipes for various processes, including Lumière, autochrome, omnicolore, Thames, and two-color heliochromy.
1388. **Waterhouse, James.** The photographic work of Messrs. A. Lumière et ses fils, of Lyons. (Photographic journal, London, March, 1909, new series, v. 33, p. 143-145.) **MFA**
1389. — Wünsch's researches on the primary components of white light. (British journal of photography, London, May 7, 1909, v. 56, Colour photography supplement, p. 34-36.) **MFA**
1390. **Watkins time thermometer for autochrome work.** (British journal of photography, London, Sept. 3, 1909, v. 56, Colour photography supplement, p. 72.) **MFA**
1391. **Wentzel, Fritz.** Experiments in colour-sensitising chloride emulsions. illus. (British journal of photography, London, 1909, v. 56, p. 5-7, 22-23, 41-44, 64-66.) **MFA**
1392. **Wiener, Otto Heinrich.** Über Farbenphotographie und verwandte naturwissenschaftliche Fragen. Vortrag gehalten auf der 80. Naturforscherversammlung zu Köln a. Rh... am 24. September, 1908. Leipzig: J. A. Barth, 1909. 88 p., 3 pl. 8°. **MFV**

1909, continued.

1393. **Young, Sidney L.** A three-lens one-exposure colour camera. illus. (*British journal of photography*, London, April 2, 1909, v. 56, Colour photography supplement, p. 32.) MFA

1394. **Zavoda, Bohuslav.** A daylight roll-holder for three-colour exposures. illus. (*British journal of photography*, London, Nov. 5, 1909, v. 56, Colour photography supplement, p. 87.) MFA

1395. **Zu den neuen Farbrasterplatten.** illus. (*Photographische Mitteilungen*, Berlin, 1909, Bd. 46, p. 122-124.) MFA
Autochrome, Omnicolore, Thames, Warner-Powrie plates.

1396. **Zur Entwicklung der Autochromplatten.** (*Photographische Mitteilungen*, Berlin, 1909, Bd. 46, p. 347-348.) MFA

1910

1397. **Abney, Sir William de Wiveleslie.** On the extinction of colour by reduction of luminosity. illus. (*British journal of photography*, London, April 1, 1910, v. 57, Colour photography supplement, p. 30-32.) MFA

1398. **Autochrome reversing solution.** (*British journal of photography*, London, Feb. 4, 1910, v. 57, p. 91-92.) MFA
Reference to suggestion by Comte Dalmas.

1399. **Autochrome work.** (*British journal of photography*, London, July 22, 1910, v. 57, p. 563-564.) MFA
Correspondence regarding dark spot in centre of picture.

1400. **Beach, F. C.** A new system of color photography. illus. (*American photography*, Boston, July, 1910, v. 4, p. 413-414.) MFA

Frederic E. Ives's process.

1401. **Bennett, Colin N.** Note on a pioneer screen-ruled roll-film. illus. (*British journal of photography*, London, Sept. 2, 1910, v. 57, Colour photography supplement, p. 66-67.) MFA
Describes a small sample which he thinks is of German origin.

1402. — On compensating screen-plates. (*British journal of photography*, London, March 4, 1910, v. 57, Colour photography supplement, p. 17-19.) MFA

1403. **Bouldoyre, R.** The use of ordinary plates in determining exposure for autochromes. (*British journal of photography*, London, Nov. 4, 1910, v. 57, Colour photography supplement, p. 86-87.) MFA

1404. **Bouton, L., and J. FEYTAUD.** La photographie stéréoscopique en couleur et ses applications scientifiques. (*Académie de sciences. Comptes rendus*, Paris, May 30, 1910, tome 150, p. 1424-1425.) *EO

1405. **Braham, A. C.** The Dufay dioptichrome colour plate. (*British journal of photography*, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 78-79.) MFA

Paper and discussion at the Royal Photographic Society. Working instructions are given.

1406. **Burnham, J. Appleton.** Observations on the autochrome process. (*Photo-era*, Boston, May, 1910, v. 24, p. 197-201.) MFA

1407. **Casson, W. A.** Exposure and development in colour work. (*British journal of photography*, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 16.) MFA

1408. **Colour photography at the Royal Botanic Society.** (*British journal of photography*, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 77.) MFA

System attributed to Mr. E. T. Butler shown to be covered by an earlier patent.

1409. **Comley, Henry J.** Color photography on paper as a commercial proposition. illus. (*Camera craft*, San Francisco, July, 1910, v. 17, p. 261-266.) MFA

1410. **Corke, H. Essenhigh.** Direct color photography — newest color plate demonstrated. illus. (*Bulletin of photography*, Philadelphia, Dec. 28, 1910, v. 7, p. 433-434.) †MFA

Dufay process.

1411. — The Dufay dioptichrome plate. (*British journal of photography*, London, Aug. 5, 1910, v. 57, Colour photography supplement, p. 57-58.) MFA

Directions for working.

1412. — Screen-plate colour work. (*Photographic journal*, London, Jan., 1910, new series, v. 34, p. 4-9.) MFA

With discussion.

Abstract in *British journal of photography*, London, Dec. 10, 1909, v. 56, p. 959-960, MFA.

1413. **Coustet, Ernest.** Photographie des couleurs; les plaques dioptichromes. (*Revue scientifique*, Paris, 1910, série 5, année 48, semestre 1, p. 494-497.) OA

1414. — Les plaques dioptichromes. illus. (*Photo-gazette*, Paris, April 25, 1910, année 20, p. 101-107.) MFA

Dufay process.

1415. **Crémier, Victor.** Coucher de soleil sur autochromes. illus. (*Photo-gazette*, Paris, 1910, année 21, p. 21-26.) MFA

Also printed in *British journal of photography*, London, Feb. 3, 1911, v. 58, Colour photography supplement, p. 9-10, MFA.

1416. **Dalmas, R., comte de.** Sujets encadrés sur plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1910, série 3, tome 1, p. 396-398.) MFA

Also printed in *Photo-gazette*, Paris, Aug. 25, 1911, année 21, p. 187, MFA, and *British journal of photography*, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 7-8, MFA.

1910, continued.

1417. — Utilisation des plaques autochromes d'une ancienneté relative de fabrication. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 102-103.) MFA

Suggests much increased exposure.

Also printed in *British journal of photography*, London, April 1, 1910, v. 57, Colour photography supplement, p. 32, MFA.

1418. Dawson, Oliver S., and C. L. FINLAY. Later modifications in the Thames colour plate. (British journal of photography, London, June 3, 1910, v. 57, p. 42-43.) MFA

1419. Didier, Léon. Paper prints from omnichrome plates by the pinatype process. (British journal of photography, London, Jan. 7, 1910, v. 57, Colour photography supplement, p. 8.) MFA

1420. Dillaye, Frédéric. Les dioptichromes "Dufay." (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 130-145.) MFA

1421. — Écrans pour plaques autochromes exposées à la lumière artificielle. (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 112-114.) MFA

1422. — Les omnichromes. (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 125-127.) MFA

1423. — Les plaques Thames à réseau polychrome. (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 127-129.) MFA

1424. — Reproduction par contact des chromotypes obtenus sur plaques autochromes. illus. (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 122-124.) MFA

1425. — Traitement simplifié des autochromes. (In his: Les nouveautés photographiques 1910. Paris, 1910. 8°. p. 109-112.) MFA

1426. D'Osmond, H. Instantaneous portrait on Lumière autochrome plates. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 76-77.) MFA

1427. Dufay, L. Les plaques dioptichromes. illus. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 177-181.) MFA

1428. The Dufay colour plate. (British journal of photography, London, Nov. 4, 1910, v. 57, p. 847.) MFA

Correspondence regarding time of exposure.

1429. The Dufay dioptichrome colour plate. (British journal of photography, London, May 6, 1910, v. 57, Colour photography supplement, p. 39-40.) MFA

An abridgment of instructions published by the makers.

1430. Edridge - Green, Frederick William. The relation of photography to vision. (Photographic journal, London, Jan., 1910, new series, v. 34, p. 10-17.) MFA

1431. Elliott & Fry. Exposures in studio portrait photography. (British journal of photography, London, March 4, 1910, v. 57, Colour photography supplement, p. 24.) MFA

State that long exposures are unnecessary.

1432. Emmerich, Georg Heinrich, editor. Lexikon für Photographie und Reproduktionstechnik. Wien & Leipzig: A. Hartleben, 1910. xiv p., 1 l., 994 p., 35 pl., 1 port. illus. 4°. MFD

Considerable space given to color photography. Biographies.

Bound in two volumes; title-page in v. 2.

1433. Estanave, E. Images changeantes à deux et trois aspects sur plaque auto-stéréoscopique. (Académie des sciences. Comptes rendus, Paris, Jan. 10, 1910, tome 150, p. 93-95.) *EO

1434. Evans, Frederick H. Colour photography v. painting. (British journal of photography, London, Dec. 2, 1910, v. 57, Colour photography supplement, p. 96.) MFA

Also printed in *Photo-era*, Boston, March, 1911, v. 26, p. 119-120, MFA.

1435. Faupel, Fritz. A German patent for a screen-plate process. (British journal of photography, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 16.) MFA

Abstract.

1436. Ford, A. D. The Dufay colour plate. (British journal of photography, London, Nov. 4, 1910, v. 57, Colour photography supplement, p. 88.) MFA

Complains of poor rendering of greens. Editorial suggestions.

1437. Friese, H. Der Dreifarbendruck unter besonderer Berücksichtigung der Teilplatten nach Lumiereschen Autochrom - Diapositiven. (Photographische Korrespondenz, Wien, 1910, Bd. 47, p. 584-588.) MFA

1438. Gimpel, Léon. Duplicates of autochromes. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 75-76.) MFA

1439. Hanneke, Paul. Erfahrungen mit Diophtichromplatten. (Photographische Mitteilungen, Berlin, 1910, Bd. 47, p. 257-262.) MFA

1440. Huebl, Arthur, Freiherr von. Die photographischen Lichtfilter. Mit 5 Beilagen und 18 Abbildungen im Text. Halle a. S.: W. Knapp, 1910. viii, 109 p., 3 charts, 4 pl. 8°. (Encyklopädie der Photographie, Heft 74.) PLC

1910, *continued*.

1441. — The reproduction of autochromes and other screen-plate transparencies. *illus.* (*British journal of photography*, London, Aug. 5, 1910, v. 57, *Colour photography supplement*, p. 59-61.) **MFA**

Applies a simple geometrical method of investigation to the conditions which prevail when copying one autochrome on another.

1442. Husník, Jaroslav. Ueber die Reproduktion von Autochromaufnahmen im Dreifarbendruck. *illus.* (*Jahrbuch für Photographie und Reproduktionstechnik für 1910*, Halle a. S., 1910, Jahrg. 24, p. 34-36.) **MFA**

1443. Ives, Frederic Eugene. A new system of trichromatic photography. (*British journal of photography*, London, Sept. 2, 1910, v. 57, *Colour photography supplement*, p. 72.) **MFA**

Tells how his system differs from Bennetto's.

1444. — A new system of trichromatic photography. (*Society of Chemical Industry Journal*, London, May 16, 1910, v. 29, p. 542-544.) **VOA**

Uses bichromate fish-gel on amyloacetate collodion film; also dilute chromic dyes capable of local intensification or reduction.

Also printed in *British journal of photography*, London, July 1, 1910, v. 57, *Colour photography supplement*, p. 49-51, **MFA**.

1445. — A new system of trichromatic photography. (*British journal of photography*, London, 1910, v. 57, *Colour photography supplement*, p. 80, 88.) **MFA**

Attacks Pfenninger's claims for Bennetto invention.

1446. Ives, Herbert Eugene. Some photographic phenomena bearing upon dispersion of light in space. (*Astrophysical journal*, Chicago, March, 1910, v. 31, p. 157-165.) **OMA**

The Library also has a separate copy in *PED* p. v. 3, no. 15.

1447. Klein, Henry Oscar. The applications of collodion emulsion to three-colour photography, process work, isochromatic photography and spectrographic work... London: A. W. Penrose & Co., Ltd., 1910. 125 p. 2. ed. enl. *illus.* 8°. **MFKD**

1448. Koenig, Carl. Duplicates of autochromes. *illus.* (*British journal of photography*, London, Sept. 2, 1910, v. 57, *Colour photography supplement*, p. 67-68.) **MFA**

Use of magnesium light as suggested by Lumière and Seyewetz.

1449. Koenig, Ernst. Colour sensitizers and filter dyes. (*British journal of photography*, London, Jan. 7, 1910, v. 57, *Colour photography supplement*, p. 3-4.) **MFA**

1450. — Dyes in photography. (*British journal of photography*, London, July 15, 1910, v. 57, p. 529-530.) **MFA**

1451. Kopierung von Farbenphotographien auf Autochromplatten im Kontakt. *illus.* (*Photographische Korrespondenz*, Wien, 1910, Bd. 47, p. 115-117.) **MFA**

Review of work done in the Lumière laboratory.

1452. Lederer, Otto. Photo-micrography. *illus.* (*British journal of photography*, London, May 6, 1910, v. 57, *Colour photography supplement*, p. 33-34.) **MFA**

1453. Lehmann, Johannes Moritz. Colour photography by the interference method with a solid metal mirror. (*British journal of photography*, London, Jan. 7, 1910, v. 57, *Colour photography supplement*, p. 8.) **MFA**

Abstract of a paper read in Germany.

1454. Le Mée, Alexandre. Trichrome prints by a ferricyanide method. (*British journal of photography*, London, June 3, 1910, v. 57, *Colour photography supplement*, p. 41.) **MFA**

1455. Limmer, Fr. Beiträge zum Farbenanpassungsverfahren. (*Photographische Korrespondenz*, Wien, 1909, Bd. 46, p. 182-185, 280-282, 430-432; 1910, Bd. 47, p. 25-31, 70-73, 211-219, 286-291, 331-336, 532-536.) **MFA**

1456. — Verfahren zur Herstellung von Dreifarbenrasten für Farbenphotographie nach D. R. P. 216610, Fritz Faupel in Berlin. *illus.* (*Photographische Chronik*, Halle a. S., Aug. 10, 1910, Jahrg. 17, p. 399-400, 476-477.) **MFA**

1457. Liquid safe-lights for the dark-room. (*British journal of photography*, London, Feb. 4, 1910, v. 57, *Colour photography supplement*, p. 14-15.) **MFA**

Gives particulars of recent experiments with dyes.

1458. Lumière, Auguste, and LOUIS LUMIÈRE. Kontaktkopien von Autochromaufnahmen. (*Photographische Mitteilungen*, Berlin, 1910, Bd. 47, p. 22-24.) **MFA**

1459. Lumière, Auguste, and others. Flash-powders for autochrome work. (*British journal of photography*, London, Oct. 7, 1910, v. 57, *Colour photography supplement*, p. 74-75.) **MFA**

1460. — Sur l'emploi des poudres éclairs comme source de lumière artificielle dans la photographie sur plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1910, série 3, tome 1, p. 285-288.) **MFA**

Also printed in *Photographic journal*, London, Sept., 1910, new series, v. 34, p. 315-319, **MFA**, and *Photographische Mitteilungen*, Berlin, 1910, Bd. 47, p. 324-327, **MFA**.

1461. Maisch, Fred D. The autochrome plate in its relation to the colour-theory of Young and Helmholtz. *illus.* (*British journal of photography*, London, 1910, v. 57, *Colour photography supplement*, p. 5-6, 13-14.) **MFA**

Also printed in *Photo-era*, Boston, 1909, v. 23, p. 262-267; 1910, v. 24, p. 8-12, **MFA**.

1910, continued.

1462. The Manipulation of autochromes when travelling. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 73-74.)
MFA

1463. Mayer, Emil. Notes on experience in the autochrome process. (British journal of photography, London, 1910, v. 57, Colour photography supplement, p. 43-44, 52-53.)
MFA

Deals with under-exposure with a view to making hand camera exposures.

1464. Mazo, E. The Tauleigne - Mazo stereo projection and three-colour processes. (British journal of photography, London, March 4, 1910, v. 57, Colour photography supplement, p. 22-23.)
MFA

1465. Mees, Charles Edward Kenneth, and J. H. PLEDGE. On some experimental methods employed in the examination of screen-plates. illus. (Photographic journal, London, May, 1910, new series, v. 34, p. 197-221.)
MFA

Also printed in *British journal of photography*, London, 1910, v. 57, p. 45-48, 53-56, 62-64, 68-70, *MFA*.

1466. Monpillard, Félix. A propos des autochromes: leur emploi pour la reproduction des tableaux dans les musées; multiplication des épreuves autochromes par contact ou à la chambre noire. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 239-243.)
MFA

Also printed in *British journal of photography*, London, Feb. 5, 1911, v. 58, Colour photography supplement, p. 11-12, *MFA*.

1467. — On the causes of prevailing tints in autochromes. (British journal of photography, London, 1910, v. 57, Colour photography supplement, p. 10-12, 22.)
MFA

1468. — Sur un écran pour autochromes permettant d'obtenir aisément les nuages dans le ciel d'un paysage. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 103-104.)
MFA

Also printed in *British journal of photography*, London, April 1, 1910, v. 57, Colour photography supplement, p. 32, *MFA*.

1469. — Sur l'utilisation des plaques autochromes avec les lumières artificielles pour la photographie directe et la reproduction. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 104-112.)
MFA

Also printed in *British journal of photography*, London, April 1, 1910, v. 57, Colour photography supplement, p. 25-27, *MFA*.

1470. Moreels, R. Two-colour effects in prints. (British journal of photography, London, July 8, 1910, v. 57, p. 514-515.)
MFA

1471. Namias, Rodolfo. Panchromatic sensitising of plates. (British journal of photography, London, April 1, 1910, v. 57, Colour photography supplement, p. 28-29.)
MFA

1472. Newton, A. J. The evolution of photo-mechanical illustration. illus. (British journal of photography, London, 1910, v. 57, p. 580, 878; 1911, v. 58, p. 160.)
MFA

1473. Novak, Franz. A dark-room light filter. (British journal of photography, London, March 4, 1910, v. 57, Colour photography supplement, p. 18.)
MFA

Transmits green light for working red sensitive collodion emulsion.

1474. Omnicolorplatten. (Photographische Welt, Leipzig, Nov., 1910, Jahrg. 24, p. 166-167.)
MFA

1475. Palocsay, Albin von. Wichtigere Fortschritte und Erfahrungen betreffend die Photographie mit Farbenrasterplatten. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1910, Halle a. S., 1910, Jahrg. 24, p. 177-210.)
MFA

Progress during year 1909.

1476. Parker, G. H. Exposure of autochromes. (British journal of photography, London, Sept. 2, 1910, v. 57, Colour photography supplement, p. 72.)
MFA

1477. Perkins, Henry Farnham. Colour photography as a paying proposition. (British journal of photography, London, May 6, 1910, v. 57, Colour photography supplement, p. 40.)
MFA

1478. Pfaundler, Leopold. Studie über das Spektrum, Farbenkreise und neuere Darstellungsweisen der Farbenmischungsgeetze. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1910, Halle a. S., 1910, Jahrg. 24, p. 64-82.)
MFA

1479. Pfenninger, Otto. Kinematographische Projektion in Farben. (Jahrbuch für Photographie und Reproduktionstechnik für 1910, Halle a. S., 1910, Jahrg. 24, p. 29-32.)
MFA

1480. — A new system of trichromatic photography. (British journal of photography, London, 1910, v. 57, Colour photography supplement, p. 80, 87-88.)
MFA

Discussion of the Ives-Bennetto claims.

1481. Piper, Charles Welborne. Stereoscopic colour transparencies. (British journal of photography, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 12-13.)
MFA

1482. Practical application of interference colour photography. illus. (British journal of photography, London, 1910, v. 57, Colour photography supplement, p. 83-86, 92-95.)
MFA

Detailed description of Lippmann process with latest apparatus; also a bibliography.

1910, continued.

1483. **Quentin, H.** Colour effects in the spectroscope. (British journal of photography, London, March 4, 1910, v. 57, Colour photography supplement, p. 20-21.) **MFA**

1484. — A new Krayn screen-plate. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 77-78.) **MFA**

1485. — Screen-plate colour photographs on paper. (British journal of photography, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 16.) **MFA**
Reference to patent of Julius Rheinberg.

1486. — A suggested new method of colour photography direct at one exposure. (British journal of photography, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 15-16.) **MFA**

Experiments of R. Berthon with diaphragm plate provided with red, green, and violet screens.

1487. — The Tauleigne-Mazo process. (British journal of photography, London, July 1, 1910, v. 57, Colour photography supplement, p. 51-52.) **MFA**

1488. Recording the colours during exposure. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 79-80.) **MFA**

Suggestions for marking slides.

1489. **Regni, pseud.** A new system of trichromatic photography. (British journal of photography, London, Aug. 5, 1910, v. 57, Colour photography supplement, p. 64.) **MFA**

Conflicting claims of J. W. Bennetto and F. E. Ives.

1490. A Reservoir viewing instrument for autochromes. illus. (British journal of photography, London, June 3, 1910, v. 57, Colour photography supplement, p. 48.) **MFA**

1491. **Rheinberg, Julius.** The Rheinberg colour paper. (British journal of photography, London, March 4, 1910, v. 57, Colour photography supplement, p. 24.) **MFA**

1492. **S., G.** L'amélioration des autochromes. (Photo-gazette, Paris, July 25, 1910, année 20, p. 177-179.) **MFA**

1493. **Saal, Alfred.** Autochromplatten. (Jahrbuch für Photographie und Reproduktionstechnik für 1910, Halle a. S., 1910, Jahrg. 24, p. 212-215.) **MFA**

Autochromes in the tropics.

1494. **Scheffer, W.** Notes on the Krayn new screen film. illus. (British journal of photography, London, Dec. 2, 1910, v. 57, Colour photography supplement, p. 89-90.) **MFA**

1495. — On the resolving power of the autochrome emulsion. illus. (British jour-

nal of photography, London, Sept. 2, 1910, v. 57, Colour photography supplement, p. 70-72.) **MFA**

1496. — La photographie des couleurs avec les plaques à réseaux colorés. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 70-86.) **MFA**
Discussion of different plates.

1497. — Über das Auflösungsvermögen der Autochrom-Emulsion. illus. (Photographische Korrespondenz, Wien, 1910, Bd. 47, p. 588-592.) **MFA**

1498. **Schilling, Otto.** Die Dioptrichrom-Farbenrasterplatte (System Dufay). (Photographische Welt, Leipzig, Sept., 1910, Jahrg. 24, p. 129-131.) **MFA**

1499. **Seyewetz, A.** Copies of autochrome transparencies. (British journal of photography, London, Jan. 7, 1910, v. 57, Colour photography supplement, p. 1-2.) **MFA**

1500. **Sforza, Francis.** A suggested method of preparing coloured prints by an indirect bleach-out process. (British journal of photography, London, Nov. 4, 1910, v. 57, Colour photography supplement, p. 83.) **MFA**

1501. **Simmen, Charles.** Nouveau procédé permettant la prise de vues instantanées sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1910, série 3, tome 1, p. 275-278.) **MFA**

Also printed in *British journal of photography*, London, Sept. 2, 1910, v. 57, Colour photography supplement, p. 65-66, *MFA*, *Photographische Mitteilungen*, Berlin, 1910, Bd. 47, p. 292-295, *MFA*, and *Photo-gazette*, Paris, Sept. 25, 1910, année 20, p. 214-218, *MFA*.

1502. **Smith, John H.** The bleach-out process of colour-photography and Uto-color paper. (Photographic journal, London, April, 1910, new series, v. 34, p. 141-151.) **MFA**

Also printed in *British journal of photography*, London, May 6, 1910, v. 57, Colour photography supplement, p. 34-39, *MFA*.

With discussion.

1503. Some effects on stale and on fresh autochrome plates. (British journal of photography, London, Nov. 4, 1910, v. 57, Colour photography supplement, p. 87.) **MFA**

Found that old plates worked well and clearly.

1504. **Stenger, Erich.** Deutsche Farbenfilms (System Krayn) der Neuen photographischen Gesellschaft. (Photographische Chronik, Halle a. S., Nov. 20, 1910, Jahrg. 17, p. 575-577.) † **MFA**

1505. **Stenger, Erich, and FERDINAND LEIBER.** Destroyers of colour-sensitiveness as means for developing panchromatic plates in a bright dark-room light. (British journal of photography, London, Jan. 28, 1910, v. 57, p. 61-63.) **MFA**

The authors state that the use of metabisulphite or sulphuric acid as a preliminary bath is not of much service.

1910, continued.

1506. Stobbe, Hans. Fulgide dyes in making colour prints by the bleachout process. (British journal of photography, London, Dec. 2, 1910, v. 57, Colour photography supplement, p. 91-92.) MFA

1507. Tauleigne, A. The Tauleigne process of trichromy. (British journal of photography, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 16.) MFA

1508. Toch, Maximilian. The simplified autochrome process. (American annual of photography for 1910, New York, 1910, v. 24, p. 245-246.) MFA

1509. Villain, Alfred. On the reproduction of autochrome transparencies. (British journal of photography, London, April 1, 1910, v. 57, Colour photography supplement, p. 27-28.) MFA

1510. Wall, Edward John. Screen plate color photography. illus. (In: Photographic annual, London, 1910, 6th ed., p. 9-53.) MFA

Details for manipulating Autochrome, Omnicolore, Dufay, and Thames plates, with a note on the Aurora plate.

1511. Wallace, Robert James. Tri-color filters and their cut-outs. illus. (American annual of photography for 1911, New York, 1910, v. 25, p. 272-282.) MFA

Also printed in *British journal of photography*, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 5-7, MFA.

1512. Weissermel, W. Die Autochromplatte in der lichtarmen Jahreszeit. (Photographische Mitteilungen, Berlin, 1910, Bd. 47, p. 5-8.) MFA

Also printed in *British journal of photography*, London, Feb. 4, 1910, v. 57, Colour photography supplement, p. 9-10, MFA.

1513. Winter, G. Duplicates of autochromes. (British journal of photography, London, Oct. 7, 1910, v. 57, Colour photography supplement, p. 75.) MFA

1514. Worel, Karl. Farbenphotographie durch Farbenanpassung. (Jahrbuch für Photographie und Reproduktionstechnik für 1910, Halle a. S., 1910, Jahrg. 24, p. 3-7.) MFA

Abstract in *British journal of photography*, London, Dec. 2, 1910, v. 57, Colour photography supplement, p. 90, MFA.

1515. X. La reproduction des couleurs des photographies en couleurs. (Photogazette, Paris, Jan. 25, 1910, année 20, p. 46-49.) MFA

Messrs. Gimpel and Villain took first prizes in picture contest by the journal *La Vulgarisation scientifique*. In this article they explain their methods.

1516. Yerbury, S. G. The making of portraits in colors. (Camera craft, San Francisco, Aug., 1910, v. 17, p. 315-318.) MFA

1911

1517. Abney, Sir William de Wiveleslie. Colour blindness and the trichromatic theory of colour-vision. illus. (Royal Society of London. Proceedings, London, 1910, series A, v. 83, p. 462-473; 1911, series A, v. 84, p. 449-464.) * EC

Also printed in *Photographic journal*, London, July, 1910, new series, v. 34, p. 278-287; Aug., 1911, new series, v. 35, p. 281-296, MFA.

1518. Adrien, Charles. Essais d'hypermobilisation au trempé des plaques autochromes. (Société française de photographie. Bulletin, Paris, Dec., 1911, série 3, tome 2, p. 400-402.) MFA

Uses Thovert formula.

Abstract in *British journal of photography*, London, March 1, 1912, v. 59, Colour photography supplement, p. 12, MFA.

1519. Albert, August. Farbenlichtdruck und Farbenaufnahmen mit Autochromplatten usw. (Jahrbuch für Photographie und Reproduktionstechnik für 1911, Halle a. S., 1911, Jahrg. 25, p. 103-104.) MFA

1520. Altenecker, J. V. Paper prints from autochromes. (American annual of photography for 1911, New York, 1910, v. 25, p. 128.) MFA

Also printed in *British journal of photography*, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 7, MFA.

1521. Antoine Lumière. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 195-196.) MFA

Obituary notice.

1522. Balmittgere, C. A stereoscope for the direct observation of colour transparencies without reversal. illus. (British journal of photography, London, March 3, 1911, v. 58, Colour photography supplement, p. 22-23.) MFA

1523. Bellieni, H. Utilisation, pour la photographie ordinaire, des écrans destinés aux plaques autochromes. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 82-83.) MFA

1524. Bennett, Colin N. Filter absorptions for two-colour. (British journal of photography, London, July 7, 1911, v. 58, Colour photography supplement, p. 45.) MFA

1525. Benoist, L. Sur les contre-écrans renforcateurs en photochromie. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 229-234.) MFA

Also printed in *British journal of photography*, London, Dec. 1, 1911, v. 58, Colour photography supplement, p. 65-67, MFA.

1526. — Two hints on the autochrome process. (British journal of photography, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 7.) MFA

Recommends white glazed paper against sensitive film; also permanganate solution after second development.

1911, continued.

1527. Blackburn, H. E. The Krayn color screen film process. (Camera craft, San Francisco, Aug., 1911, v. 18, p. 369-372.)

MFA

Also printed in *British journal of photography*, London, Dec. 1, 1911, v. 58, Colour photography supplement, p. 67-68, MFA.

1528. — The Tripak system in brief. illus. (Camera craft, San Francisco, May, 1911, v. 18, p. 221-224.)

MFA

Also printed in *British journal of photography*, London, June 2, 1911, v. 58, Colour photography supplement, p. 42-43, MFA, and *Photographische Mitteilungen*, Berlin, 1911, Bd. 48, p. 228-231, MFA.

1529. A Blue cast on autochromes. (Amateur photographer & photographic news, London, 1911, v. 54, p. 191, 265.) †

MFA

1530. Boucher, L. Le "Monobloc," appareil stéréo-panoramique, muni d'un dispositif spécial facilitant la photographie en couleurs. illus. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 108-111.)

MFA

1531. Butler, Edwin T. Mr. E. T. Butler's methods of colour photography. (British journal of photography, London, Feb. 3, 1911, v. 58, Colour photography supplement, p. 14-16.)

MFA

Paper read before the Society of Colour Photographers.

1532. Carpenter, Ford Ashman. Photographing "red snow" in natural colors. San Diego: San Diego Society of Natural History, 1911. 108-111 p., 1 pl. 4°.

QE1 p.v. 19, no. 11

Repr.: San Diego Society of Natural History. Transactions, v. 1, no. 3, 1911.

1533. Chataux, P. S. A note on the development of autochrome plates. (British journal of photography, London, June 2, 1911, v. 58, Colour photography supplement, p. 43.)

MFA

Uses pyro for developer.

1534. Clerc, Louis Philippe. A frequent cause of failure in three-colour synthesis: excess of red. illus. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 35-37.)

MFA

1535. Colour photographs of Saturn. (Nature, London, Nov. 2, 1911, v. 88, p. 20.)

OA

Belopolsky's results with plates prepared by M. Tikhoff.

1536. Colour prints on paper. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 39-40.)

MFA

Secret method worked out by A. Hamburger.

1537. Corke, H. Essenhigh. A new color printing process. (Bulletin of photography, Philadelphia, Nov. 22, 1911, v. 9, p. 341-342.) †

MFA

Utocolor.

1538. Coustet, Ernest. La photographie instantanée des couleurs. (Revue scientifique, Paris, 1911, v. 49, p. 239-240.)

OA

1539. Crémier, Victor. L'automne et l'autochrome. (Photo-gazette, Paris, Nov. 25, 1911, année 22, p. 11-15.)

MFA

1540. — Experiments with the dioptrichrome colour screen-plate. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 37-38.)

MFA

1541. — Ordinary negatives from autochrome and other screen-plate transparencies. (British journal of photography, London, April 7, 1911, v. 58, Colour photography supplement, p. 28-29.)

MFA

1542. A Curious case of frilling with autochromes. illus. (British journal of photography, London, 1911, v. 58, Colour photography supplement, p. 52, 55-56.)

MFA

An inquiry by Sir W. Herschel answered by several correspondents.

1543. Dalmás, R., comte de. Du développement des plaques autochromes en voyage. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 106-108.)

MFA

Also printed in *British journal of photography*, London, May 5, 1911, v. 58, Colour photography supplement, p. 34-35, MFA, and *Photographische Mitteilungen*, Berlin, 1911, Bd. 48, p. 177-179, MFA.

1544. — Observations sur le nouvel emballage des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 271-272.)

MFA

1545. Death of M. Antoine Lumière. (British journal of photography, London, May 5, 1911, v. 58, p. 343.)

MFA

1546. Doglibert, F. Suggestion for a new photographic colour screen plate. (British journal of photography, London, 1911, v. 58, Colour photography supplement, p. 4, 24.)

MFA

Prismatic surfaces moulded on celluloid.

1547. Estanave, E. Photographies à couleurs changeantes. (Académie des sciences. Comptes rendus, Paris, May 1, 1911, tome 152, p. 1158-1159.)

*EO

1548. Evans, C. Willard. Developing autochromes. (British journal of photography, London, Aug. 4, 1911, v. 58, Colour photography supplement, p. 52.)

MFA

Formula for tank development.

1549. Farmer, Howard. Autochromes and their reproduction on paper. (British journal of photography, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 3-4.)

MFA

1550. Flash-light autochrome portraits. (British journal of photography, London, March 3, 1911, v. 58, Colour photography supplement, p. 23-24.)

MFA

Brief description of process used by B. J. Falk.

1911, continued.

1551. Franck, Charles E. Frilling of autochromes. (British journal of photography, London, Nov. 3, 1911, v. 58, Colour photography supplement, p. 64.) **MFA**

1552. Gebhard, Kurt. Theoretical notes on the bleachout process. (British journal of photography, London, Aug. 4, 1911, v. 58, Colour photography supplement, p. 50-51, 54-55.) **MFA**

1553. — Über die Veränderung von Farbstoffen im Licht. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 634-637.) **MFA**

1554. Gimpel, Léon. Amélioration dans la reproduction et l'agrandissement des plaques en couleurs. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 101-103.) **MFA**

Also printed in *British journal of photography*, London, Sept. 1, 1911, v. 58, Colour photography supplement, p. 53-54, *MFA*.

1555. — Les anaglyphes sur autochromes. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 211-212.) **MFA**

Also printed in *British journal of photography*, London, Aug. 4, 1911, v. 58, Colour photography supplement, p. 51, *MFA*.

1556. — La photographie en couleurs sur papier à la portée de tous. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 407-411.) **MFA**

Utocolor process.

1557. Gravier, Charles. Plates for colour photography. (British journal of photography, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 2-3.) **MFA**

Deals principally with development of autochromes.

1558. — La trichromie en 1911. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 411-412.) **MFA**

1559. Green spots on autochromes. (British journal of photography, London, Sept. 22, 1911, v. 58, p. 735.) **MFA**

1560. Greene, J. Edward B. Pinachrome for color values. (American annual of photography for 1912, New York, 1911, v. 26, p. 207-208.) **MFA**

1561. Hanneke, Paul. Farbausbleichverfahren. (Photographische Mitteilungen, Berlin, 1911, Bd. 48, p. 337-340.) **MFA**

1562. — Die neuen deutschen Farbenfilms. (Photographische Mitteilungen, Berlin, 1911, Bd. 48, p. 8-10.) **MFA**

N. P. G. color films.

1563. Hinterberger, Hugo. Neuerungen in der Fabrikation der Dioptrichromplatten und der deutschen Farbenfilms. (Photographische Chronik, Halle a. S., March 12, 1911, Jahrg. 18, p. 130.) † **MFA**

1564. — A note on making photo-micrographs of colour screen-plates. (British journal of photography, London, Oct. 6, 1911, v. 58, Colour photography supplement, p. 60.) **MFA**

1565. — Die polychromen Streifenraster und die neueste Dioptrichrom-Dufayplatte. (Photographische Chronik, Halle a. S., Jan. 29, 1911, Jahrg. 18, p. 58-59.) † **MFA**

1566. — Die tonrichtige Aufnahme von Farbrastern. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1911, Halle a. S., 1911, Jahrg. 25, p. 158-161.) **MFA**

1567. Ives, Frederic Eugene. Colour paper prints. (British journal of photography, London, June 2, 1911, v. 58, Colour photography supplement, p. 44.) **MFA**

Explains adaptation of Tripak process.

1568. — Ives' tripak plate pack. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 40.) **MFA**

1569. — The Ives tripak process of colour photography. (British journal of photography, London, June 2, 1911, v. 58, Colour photography supplement, p. 41-42.) **MFA**

1570. — Tripak color photography. (Camera craft, San Francisco, May, 1911, v. 18, p. 219-220.) **MFA**

1571. Ives' Inventions, Ltd. The Ives tripak system of colour photography. (British journal of photography, London, March 5, 1911, v. 58, Colour photography supplement, p. 19-22.) **MFA**

Copy of working directions issued by the firm.

1572. J., M. J. Dufay colour plates. (British journal of photography, London, Nov. 3, 1911, v. 58, Colour photography supplement, p. 64.) **MFA**

Editorial reply to questions concerning troubles.

1573. Jones, Chapman. On the relationship between the size of the particle and the colour of the image. (British journal of photography, London, 1911, v. 58, p. 339-343, 381-384.) **MFA**

Also printed in *Photographic journal*, London, April, 1911, new series, v. 35, p. 159-174, *MFA*.

1574. Klein, E. Suggested methods of direct colour photography. (British journal of photography, London, Aug. 4, 1911, v. 58, Colour photography supplement, p. 49-50.) **MFA**

Development of H. Vollenbruch's theory that a silver halide precipitate along with the dye is capable of retaining certain coloring matters throughout development, fixing, and washing.

1575. Kropf, Fritz. Possible methods of colour photography. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 40.) **MFA**

Observations on methods suggested by R. Luther.

1911, continued.

1576. **Kuemmel, G.** Die Beschleunigung des Ausbleichens von Farbstoffen durch aromatische Verbindungen. (Zeitschrift für wissenschaftliche Photographie, Photo-physik und Photochemie, Leipzig, 1910, Bd. 9, p. 54-64.) **PLC**

Translation in *British journal of photography*, Nov. 4, 1910, v. 57, Colour photography supplement, p. 81-82, **MFA**.

1577. **Kunz, William H.** Color photography. (American annual of photography for 1912, New York, 1911, v. 26, p. 28-32.) **MFA**

Describes briefly processes in use.

1578. **Lack of register in tri-colour filters.** (British journal of photography, London, Jan. 27, 1911, v. 58, p. 69.) **MFA**

1579. **Legeret, E.** Using autochrome plates in a changing box. (British journal of photography, London, June 2, 1911, v. 58, Colour photography supplement, p. 44.) **MFA**

1580. **Leiber, Ferdinand.** Making the best of under-exposed autochromes. (British journal of photography, London, Oct. 6, 1911, v. 58, Colour photography supplement, p. 57.) **MFA**

1581. **Le Mée, Alexandre.** Paper colour prints from screen-plate transparencies. (British journal of photography, London, April 7, 1911, v. 58, Colour photography supplement, p. 30.) **MFA**

1582. **The Light of Egypt: natural colour photographs of the glorious effects of Egyptian sunsets and sunrise.** illus. (Illustrated London news, London, Feb. 25, 1911, v. 138, supplement.) *** DA**

Six pictures by Gervais-Courtellement.

1583. **Limmer, Fr.** Das Farbenanpassungsverfahren (Ausbleichverfahren) eine Möglichkeit der direkten Körperfarben Photographie. (Photographic journal, London, Jan., 1911, new series, v. 35, p. 16-18.) **MFA**

1584. — Zur Geschichte des Ausbleichverfahrens. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 307-311.) **MFA**

1585. **Lueppo-Cramer.** Das Silber als Farbstoff. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 184-188.) **MFA**

1586. — Über die Farben der Photohaloide. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 33-37.) **MFA**

1587. — Weitere Untersuchungen über die Polychromie des Silbers. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 403-409.) **MFA**

1588. — Zur Farbenanpassung der Photohaloide. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 270-275.) **MFA**

1589. **Luther, R.** Possible methods of colour photography. (British journal of photography, London, March 3, 1911, v. 58, Colour photography supplement, p. 17-19.) **MFA**

Suggestions by himself and Herr Sforza.

1590. **The Manners process of three-colour printing with carbon tissues.** (British journal of photography, London, July 7, 1911, v. 58, Colour photography supplement, p. 46.) **MFA**

British patent no. 25646 of 1910.

1591. **Mareschal, G.** Le cinématographe en couleurs. illus. (Photo-gazette, Paris, Oct. 25, 1911, année 21, p. 221-224.) **MFA**

Processes of Geisler and Friese-Greene.

1592. **Mees, Charles Edward Kenneth.** The effect of colour filters upon the definition of a lens. (Knowledge, London, April, 1911, new series, v. 8, p. 155.) **OA**

Also printed in *British journal of photography*, London, April 28, 1911, v. 58, p. 330, **MFA**.

1593. — The relation between the colour of silver images, and the size of the particles which compose them. (Knowledge, London, April, 1911, new series, v. 8, p. 154-155.) **OA**

1594. **Miethe, Adolf, and B. SEEGERT.** Über qualitative Verschiedenheiten des von den einzelnen Teilen der Mondoberfläche reflektieren Lichtes. illus. (Astronomische Nachrichten, Kiel, 1911, Bd. 188, p. 10-11, 239-246.) **OMA**

See colored illustration opp. p. 356.

1595. **Monpillard, Félix.** Simultaneous opening of shutter and firing of flash-powder in autochrome photography. illus. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 33-34.) **MFA**

1596. **Moreels, R.** Two-colour and three-colour photography in two exposures of the same time. illus. (British journal of photography, London, April 7, 1911, v. 58, Colour photography supplement, p. 25-28.) **MFA**

Camera provided with a dark-slide allowing the plates to be rapidly exchanged.

1597. **Namias, Rodolfo.** Some notes on autochrome work. (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 38-39.) **MFA**

Suggestions for development and after treatment.

1598. **Natural colour photography: remarkable results and how they are obtained.** (Illustrated London news, London, 1911, v. 139, supplement to issue of Dec. 16.) *** DA**

Has colored plate showing different stages.

1599. **Ein Neues Farbraster.** illus. (Photographische Chronik, Halle a. S., April 9, 1911, Jahrg. 18, p. 180-181.) **† MFA**

Ruth plate.

1911, *continued.*

1600. A New colour paper. (British journal of photography, London, June 2, 1911, v. 58, Colour photography supplement, p. 44.) **MFA**

Denver company employs a machine which passes the paper through fifteen or more haths.

1601. A New Uto paper. (British journal of photography, London, Nov. 3, 1911, v. 58, Colour photography supplement, p. 62-64.) **MFA**

Bleachout paper manufactured by Dr. J. H. Smith. Gives full instructions.

1602. Novak, Franz. Gelbfilter für Autochromblitzlichtaufnahmen. (Jahrbuch für Photographie und Reproduktionstechnik für 1911, Halle a. S., 1911, Jahrg. 25, p. 190.) **MFA**

Also printed in *British journal of photography*, London, Dec. 1, 1911, Colour photography supplement, p. 68, *MFA*.

1603. An Open field for colour photographers. (British journal of photography, London, Feb. 5, 1911, v. 58, Colour photography supplement, p. 10-11.) **MFA**

Difficulties to be overcome and helpful suggestions.

1604. Le Palais de l'autochrome. illus. (Photo-gazette, Paris, April 25, 1911, année 21, p. 117-118.) **MFA**

Also printed in *British journal of photography*, London, Aug. 4, 1911, Colour photography supplement, p. 51-52, *MFA*.

Description of the studio of Gervais Courtellement, Paris, especially of the flashlight apparatus.

1605. Palocsay, Albin von. Fremde und eigene Versuche zur Abkürzung der Expositionzeit bei Autochromaufnahmen. (Photographische Korrespondenz, Wien, 1911, Bd. 48, p. 483-494.) **MFA**

1606. — Shorter exposures with the autochrome plate. (British journal of photography, London, April 11, 1911, v. 58, Colour photography supplement, p. 29-30.) **MFA**

1607. — Wichtiger Fortschritte und Erfahrungen betreffend die Photographie mit Farbrasterplatten. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1911, Halle a. S., 1911, Jahrg. 25, p. 194-228.) **MFA**

1608. Perkins, Henry Farnham. Pictures from autochromes. (American annual of photography for 1912, New York, 1911, v. 26, p. 121-122.) **MFA**

Black and whites from autochromes.

1609. Personnaz, Antonin. L'autochromie. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 58-61.) **MFA**

Also printed in *Photo-gazette*, Paris, April 25, 1911, année 22, p. 107-110, *MFA*.

1610. Pfenninger, Otto. Historisches über die Farbenkamera. (Jahrbuch für Photographie und Reproduktionstechnik für 1911, Halle a. S., 1911, Jahrg. 25, p. 11-13.) **MFA**

1611. Prilejaeff, Alexandre. Gelbscheiben für Autochromplatten. (Photographische Mitteilungen, Berlin, 1911, Bd. 48, p. 294-298.) **MFA**

1612. Quentin, H. Le procédé Krayn. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 293-300.) **MFA**

1613. Rheinberg, Julius. Suggestion for a new colour screen-plate to act by diffraction. (British journal of photography, London, April 11, 1911, v. 58, Colour photography supplement, p. 32.) **MFA**

1614. — Suggestion for a new screen-plate. (British journal of photography, London, March 3, 1911, v. 58, Colour photography supplement, p. 24.) **MFA**

Discussion of ideas of E. J. Wall, E. Doglibert and of the Frauenfelder patent.

1615. Richard, A. Sur la photographie en couleur chez M. G. Marionez. (Société d'émulation de Cambrai. Mémoires, Cambrai, 1911, tome 65, p. 485-498.) **EN**

1616. Russian colour-photography. (British journal of photography, London, Feb. 17, 1911, v. 58, p. 129.) **MFA**

Brief reference to Prokudin-Gorsky who claimed to have spent his entire fortune in experiments, and who petitioned the government to buy 2,000 of his productions.

1617. Simmen, Charles. Nouveau procédé permettant la prise de vues instantanées sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 382-383.) **MFA**

1618. — Quelques mots sur l'hypersensibilisation des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1911, série 3, tome 2, p. 403-406.) **MFA**

Abstract in *British journal of photography*, London, May 3, 1912, v. 59, Colour photography supplement, p. 17-18, *MFA*.

1619. Starr, William Ireland. Why not make color photographs? (American annual of photography for 1912, New York, 1911, v. 26, p. 228-234.) **MFA**

Amateur's experience with autochrome and Dufay plates.

1620. Stenger, Erich. Das "Weiss" auf Farbrasterplatten und weisse Farbraster. (Photographische Chronik. Halle a. S., May 17, 1911, Jahrg. 18, p. 247-248.) † **MFA**

1621. — Zur Kenntnis der Autochromplatte. (Photographische Chronik, Halle a. S., 1907, Jahrg. 14, p. 499-502, 527, 543-545, 605-607; 1908, Jahrg. 15, p. 9-11, 37-39, 137-140, 247-248, 259-261, 283-286, 360-363, 395-397, 432-435, 446-448, 569-572, 593-595, 617-619; 1909, Jahrg. 16, p. 97-99, 104-106, 132-135, 182-185, 191-193, 207-210, 317-319, 325-327, 433-437, 469-471, 481-483, 577-580; 1910, Jahrg. 17, p. 9-13, 259-261, 283-285,

1911, *continued.*

331-334, 367-370, 515-518, 527-529; 1911, Jahrg. 18, p. 25-26, 35-37, 46-49, 206-208, 264-266, 307-308, 315-316, 331-332.) † MFA

After the first few numbers the title reads: Zur Kenntnis der Autochromeplatte und ähnlich gearter Erzeugnisse. An excellent review of progress.

1622. Switkowski, Josef. Three-colour prints by the oil process. (British journal of photography, London, Feb. 3, 1911, v. 58, Colour photography supplement, p. 12-13.) MFA

1623. "Tabloid" chemicals for screen-plate work. (British journal of photography, London, Jan. 6, 1911, v. 58, Colour photography supplement, p. 8.) MFA

Produced by Burroughs, Wellcome & Co.

1624. Thovert, J. Pinachrome as an extra sensitiser of autochrome plates. (British journal of photography, London, July 7, 1911, v. 58, Colour photography supplement, p. 47-48.) MFA

Also printed in *Société française de photographie. Bulletin*, Paris, 1911, série 3, tome 2, p. 383-389, MFA.

1625. — Sensibilisation de plaques autochromes: influence de la qualité de l'éclairément sur la reproduction photographique des couleurs. (*Société française de photographie. Bulletin*, Paris, 1911, série 3, tome 2, p. 379-381.) MFA

1626. Tikhoff. Colour photography on Mars. (*Nature*. London, Oct. 19, 1911, v. 87, p. 529.) OA

Also printed in *British journal of photography*, London, Nov. 3, 1911, v. 58, Colour photography supplement, p. 64, MFA.

1627. Uto photographic paper. (*Nature*, London, Nov. 9, 1911, v. 88, p. 50.) OA

1628. Valenta, Eduard. Über die "Deutschen Farbbrasterfilms auf Krayn-Raster" der Neuen photographischen Gesellschaft in Berlin-Steglitz. (*Photographische Korrespondenz*, Wien, 1911, Bd. 48, p. 41-44.) MFA

Also printed in *British journal of photography*, London, April 11, 1911, v. 58, Colour photography supplement, p. 30-31, MFA.

1629. — Zur Kenntnis des "Utacolorpapieres." (*Photographische Korrespondenz*, Wien, 1911, Bd. 48, p. 624-627.) MFA

1630. Vallot, Émile. Hypersensibilisation des plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1911, série 3, tome 2, p. 389-391.) MFA

Also printed in *Photographische Mitteilungen*, Berlin, 1911, Bd. 48, p. 369-371, MFA.

1631. A Vertical developing dish for autochrome plates. *illus.* (British journal of photography, London, May 5, 1911, v. 58, Colour photography supplement, p. 40.) MFA

Designed by Seyewetz and sold by M. Leune, Paris.

1632. Wall, Edward John. Die Farbe photographischer Bilder. (*Jahrbuch für Photographie und Reproduktionstechnik für 1911*, Halle a. S., 1911, Jahrg. 25, p. 38-41.) MFA

1633. — Suggestion for a new colour screen-plate. *illus.* (British journal of photography, London, Feb. 3, 1911, v. 58, Colour photography supplement, p. 16.) MFA

Reply to F. Dogliert. Cites United States patent no. 747961 of Frauenfelder.

1634. Weimann, Arthur. Monochrome Vergrößerung von Autochromen usw. (*Photographische Mitteilungen*, Berlin, 1911, Bd. 48, p. 215-219.) MFA

1635. Winter, G. Hints on working the autochrome process. (British journal of photography, London, Feb. 3, 1911, v. 58, Colour photography supplement, p. 13-14.) MFA

1636. Worel, Karl. Fortschritte in der Farbenphotographie im vorigen Jahre. (*Jahrbuch für Photographie und Reproduktionstechnik für 1911*, Halle a. S., 1911, Jahrg. 25, p. 3-5.) MFA

1637. Wychgram, Engelhard. Über neuere Farbbraster. *illus.* (*Photographische Mitteilungen*, Berlin, 1911, Bd. 48, p. 102-104.) MFA

Dufay and Krayn plates.

1912

1638. Autochrome light filter. (British journal of photography, London, May 3, 1912, v. 59, Colour photography supplement, p. 24.) MFA

Accurate filters made by Dallmeyer.

1639. Baker, Thomas Thorne. Colour photography by artificial light. Notes on the screening of artificial illuminants. *illus.* (*Amateur photographer & photographic news*, London, March 4, 1912, v. 55, p. 221-222.) † MFA

Also printed in *Photo-era*, Boston, Nov., 1912, v. 29, p. 240-241, MFA.

1640. Balagny, Georges. Application du diamidophénol en liqueur acide au développement des plaques autochromes. (*Société française de photographie. Bulletin*, Paris, 1912, série 3, tome 3, p. 371-378.) MFA

Also printed in *British journal of photography*, London, Feb. 7, 1913, v. 60, Colour photography supplement, p. 6-8, MFA.

1641. Bartlett, John. Autochromes and art. (*Bulletin of photography*, Philadelphia, Sept. 11, 1912, v. 11, p. 373-374.) † MFA

1912, continued.

1642. **Bennett, Charles W.** Glycerol as sensitizer. (Eighth International Congress of Applied Chemistry, Washington and New York, 1912. Original communications, v. 20, section 9, Photochemistry, p. 121-122.) **PKR**

Also printed in *British journal of photography*, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 3, **MFA**.

1643. **Bergeron.** Bichromatic reversing bath. (British journal of photography, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 44.) **MFA**

Suggested formula for autochromes.

1644. **Blackburn, H. E.** The Dufay dioptrichrome plate. (Camera craft, San Francisco, May, 1912, v. 19, p. 215-220.) **MFA**

1645. — The Krayn colour films. (British journal of photography, London, Feb. 2, 1912, v. 59, Colour photography supplement, p. 8.) **MFA**

Corrects a misprint in above periodical of December 8, 1911.

1646. **Boucher, L.** Renforcement des autochromes. (Photo-gazette, Paris, June 25, 1912, année 22, p. 157-158.) **MFA**

1647. **Brandlmayr, Georg.** Über Dreifarbengravure. (Photographische Korrespondenz, Wien, 1912, Bd. 49, p. 553-555.) **MFA**

1648. **Broum, Karl H.** Die Autotypie und der Dreifarbenruck. Die Anwendung des Rasters zur Herstellung von Klischees für den ein- und mehr-farbigem Buchdruck, nebst Anhang: Rastertiefdruck. Halle a. S.: W. Knapp, 1912. vi, 192 p., 5 pl. 8°.

MDS

1649. **Burchardt, Ernest A.** Three-colour printing by the bichromated size process. (British journal of photography, London, June 7, 1912, v. 59, Colour photography supplement, p. 26-28.) **MFA**

1650. **Busy, L.** L'autochromie en voyage de France au Tonkin. (Photo-gazette, Paris, July 25, 1912, année 22, p. 177-178.) **MFA**

1651. Color photography in relation to new art movement in photography. (Bulletin of photography, Philadelphia, Oct. 16, 1912, v. 11, p. 573.) † **MFA**

1652. Colour prints from autochromes. (British journal of photography, London, June 7, 1912, v. 59, Colour photography supplement, p. 31.) **MFA**

Commercial apparatus of Messrs. Balfour and Hitchins briefly referred to.

1653. Colour prints on paper: a simple process in practical form. (British journal of photography, Aug. 30, 1912, v. 59, p. 669-670.) **MFA**

Paget screen-plate process explained.

1654. A Colour transparency competition. (British journal of photography, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 44.) **MFA**

Conditions of the Société française de photographie.

1655. **Corke, H. Essenhigh.** The autochrome process. (Photographic journal, London, Dec., 1912, new series, v. 36, p. 338-345.) **MFA**

1656. **Cousin, Ernest.** The development of colour and other plates exposed through a screen. (British journal of photography, London, March 1, 1912, v. 59, Colour photography supplement, p. 9-10.) **MFA**

Paper read before the Société française de photographie.

1657. **Crémier, Victor.** Hypersensibilisation simplifiée des autochromes. (Photogazette, Paris, July 25, 1912, année 22, p. 171-176.) **MFA**

1658. **Cust, Leopold.** Notes upon the working of autochromes. (British journal of photography, London, 1912, v. 59, Colour photography supplement, p. 1-3, 5-7.) **MFA**

1659. **Dalmas, R., comte de.** Enlèvement des points noirs sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 158-159.) **MFA**

Also printed in *British journal of photography*, London, July 5, 1912, v. 59, Colour photography supplement, p. 36, **MFA**.

1660. **David, Albert.** Chromium intensification of autochromes. (British journal of photography, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 44.) **MFA**

1661. — Intensification of autochromes. (British journal of photography, London, June 7, 1912, v. 59, Colour photography supplement, p. 31-32.) **MFA**

1662. **Dillaye, Frédéric.** L'autochromoscope Elgé. illus. (In his: Les nouveautés photographiques 1911-1912. Paris, 1912. 8°. p. 113-115.) **MFA**

Viewing apparatus.

1663. — Développement des plaques autochromes en lumière rouge très vive. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 68-71.) **MFA**

Also printed in *British journal of photography*, London, Aug. 2, 1912, v. 59, Colour photography supplement, p. 37-38, **MFA**.

Also in his *Les nouveautés photographiques 1911-1912*, Paris, 1912, p. 115-125, **MFA**.

1664. — L'écran jaune des plaques autochromes. (In his: Les nouveautés photographiques 1911-1912. Paris, 1912. 8°. p. 104-109.) **MFA**

1665. — Les grands contrastes avec plaques autochromes. (In his: Les nouveautés photographiques 1911-1912. Paris, 1912. 8°. p. 102-104.) **MFA**

1912, *continued*.

1666. **Direct colour photography.** (Amateur photographer & photographic news, London, Oct. 28, 1912, v. 56, supplement, p. 3-4.) **MFA**

General article on lens and filter.

1667. **The Dufay dioptichrome plate.** (Amateur photographer & photographic news, London, Jan. 22, 1912, v. 55, p. 80.) **MFA**

1668. **Evans, Ulick R.** An attachment for simultaneous exposure in an ordinary camera as a means of making the three component negatives for the subtractive processes of colour photography. *illus.* (British journal of photography, London, 1912, v. 59, Colour photography supplement, p. 45-48, 51-52; 1913, v. 60, Colour photography supplement, p. 4, 12.) **MFA**

1669. **Farnau, E. F., and J. M. LOHR.** Color-photography of luminescence. (Eighth International Congress of Applied Chemistry, Washington and New York, 1912. Original communications, v. 20, section 9, Photochemistry, p. 137-138.) **PKR**

Use of Dufay plates.

1670. **Finlay, C. L.** Lantern slides in natural colour by the Paget duplicating method. (British journal of photography, London, Nov. 1, 1912, v. 59, Colour photography supplement, p. 49-51.) **MFA**

1671. **Flashlight for screen colour plates.** (British journal of photography, London, July 5, 1912, v. 59, Colour photography supplement, p. 36.) **MFA**

Formula for screen liquid to be used with "Agfa" blitzlicht powder.

1672. **Florence.** Ueber die optische Ausrüstung für Autochrom und andere Farbrasterplatten - Verfahren. (Photographische Chronik, Halle a. S., March 27, 1912, Jahrg. 19, p. 165-167.) † **MFA**

1673. **G., G. S.** A method of retouching autochromes. (British journal of photography, London, Dec. 6, 1912, v. 59, Colour photography supplement, p. 55.) **MFA**

1674. **Gaumont, Léon.** Vues cinématographiques en couleurs naturelles. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 370-371.) **MFA**

1675. **Gebhard, Kurt.** Zusammenhang zwischen Lichtempfindlichkeit und Konstitution von Farbstoffen. (Jahrbuch für Photographie und Reproduktionstechnik für 1912, Halle a. S., 1912, Jahrg. 26, p. 51-67.) **MFA**

1676. **Gimpel, Léon.** Le vérachromoscope. *illus.* (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 229-232.) **MFA**

1677. **Grant, Thomas K.** Extra-sensitised autochromes. (British journal of photography, London, July 5, 1912, v. 59, Colour photography supplement, p. 36.) **MFA**

Tells how he worked the Simmen process.

1678. **Hernandez - Mejia, Arturo.** The colorgraph process of colour cinematography. *illus.* (British journal of photography, London, Oct. 8, 1912, v. 59, p. 805-807.) **MFA**

1679. — Colour cinematography. (British journal of photography, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 44.) **MFA**

Abstract from the *Morning telegraph*. His invention known as the cinecolorgraph.

1680. **Hilliard, F. M.** Color photography by flashlight. (Camera craft, San Francisco, Jan., 1912, v. 19, p. 21-22.) **MFA**

1681. **Hollyer, Frederick T.** The use of grey in three-colour printing. (British journal of photography, London, Oct. 4, 1912, v. 59, Colour photography supplement, p. 48.) **MFA**

1682. **Huebl, Arthur, Freiherr von.** The production of pure whites in autochrome plates. (British journal of photography, London, April 5, 1912, v. 59, Colour photography supplement, p. 13-14.) **MFA**

1683. **Ives, Frederic Eugene.** Tripak color-photography. (Photo-era, Boston, Feb., 1912, v. 28, p. 57-58.) **MFA**

1684. **Ives, Herbert Eugene.** The present condition of color photography. (Eighth International Congress of Applied Chemistry, Washington and New York, 1912. Original communications, v. 26, appendix, sections 6a-11b, p. 447-452.) **PKR**

Also printed in *British journal of photography*, London, 1913, v. 60, Colour photography supplement, p. 21-22, 26, **MFA**, and in *Journal of physical chemistry*, Ithaca, N. Y., 1913, v. 17, p. 41-46, **PAA**.

1685. **Johnson and Sons.** Correcting colour-rendering in autochromes. (British journal of photography, London, March 1, 1912, v. 59, Colour photography supplement, p. 12.) **MFA**

Unexposed gelatine plate is developed and dyed in "photo-tints," and used as a cover glass for the autochrome.

1686. **Knott, L. E.** Colour plates and the holiday. (Amateur photographer & photographic news, London, July 8, 1912, v. 56, p. 47-48.) † **MFA**

Equipment for tour with no special plates mentioned.

1687. **Koenig, Ernst.** Die Farben-Photographie. Eine gemeinverständliche Darstellung der verschiedenen Verfahren nebst Anleitung zu ihrer Ausführung. Berlin: Union deutsche Verlagsgesellschaft, 1912. 3 p.l., 102 p., 2 pl. 3. ed. 8°. (Photographische Bibliothek. Bd. 19.) **MFV**

1912, continued.

1688. **Leffmann, Henry.** Color photography. (Photo-era, Boston, June, 1912, v. 28, p. 237-239.) **MFA**
Experiences with photomicrographs.
1689. **Leggett, George H.** Three-colour negatives at one exposure. (British journal of photography, London, Dec. 6, 1912, v. 59, Colour photography supplement, p. 54-55; Feb. 7, 1913, v. 60, Colour photography supplement, p. 8.) **MFA**
1690. **Leiber, Ferdinand.** Three-colour transparencies. (British journal of photography, London, Jan. 5, 1912, v. 59, Colour photography supplement, p. 3-4.) **MFA**
1691. **Le Mée, Alexandre.** The new Utocolor paper. (Photo-era, Boston, April, 1912, v. 28, p. 145-147.) **MFA**
1692. **Lewis, Alfred Holmes.** The autochrome in winter. (Photo-era, Boston, Jan., 1912, v. 28, p. 10-12.) **MFA**
1693. **Lobley, Frank J.** Screen-plate colour photography. (British journal of photography, London, April 5, 1912, v. 59, Colour photography supplement, p. 16.) **MFA**
Abstract of lecture delivered to the Chichester Photographic Society.
1694. **Lovelace, Marcus G.** Screenless color photography. (Wilson's photographic magazine, New York, 1912, v. 49, p. 531-536.) **MFA**
Directions for Lippmann process.
Also printed in *American annual of photography*, 1913, New York, 1912, v. 27, p. 9-20.
1695. **Lucas, E. G. Handel.** The use of grey in three-colour printing. (British journal of photography, London, 1912, v. 59, Colour photography supplement, p. 43-44, 55-56.) **MFA**
1696. **McIntosh, J.** The autochrome process. (Photographic journal, London, Nov., 1912, new series, v. 36, p. 320-329.) **MFA**
1697. **Mackenstein Établissements.** Chromoscope classeur. illus. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 40.) **MFA**
1698. **Mairot, F.** Developing autochromes in green light. (British journal of photography, London, April 5, 1912, v. 59, Colour photography supplement, p. 16.) **MFA**
1699. **Maleve, L.** To determine the exposure of autochrome plates. illus. (Bulletin of photography, Philadelphia, May 1, 1912, v. 10, p. 578-580.) † **MFA**
1700. **Mareschal, G.** Le vérachromoscope. illus. (Photo-gazette, Paris, May 25, 1912, année 22, p. 136-138.) **MFA**
1701. **Marino, Algeri.** Transmission des photographies et des images à distance, système Marino. illus. (La Lumière électrique, Paris, 1912, série 2, tome 19, trimestre 3, p. 261-265.) **VGA**
Translated abstract in *Scientific American*, New York, March 22, 1913, v. 108, p. 273, VA.
Deals with transmission of photographs in color.
1702. **Messer, H. C.** Showing autochrome transparencies. (British journal of photography, London, Dec. 6, 1912, v. 59, Colour photography supplement, p. 54.) **MFA**
1703. **Miethe, Adolf.** Farbenphotographie des Vollmondes. illus. (Photographische Rundschau, Halle a. S., 1912, Bd. 49, p. 357-359.) **MFA**
Colored illustration opp. p. 356.
1704. **Monpillard, Félix.** Étude micrographique du réseau des plaques omnicoles. (Photo-gazette, Paris, Aug. 25, 1912, année 22, p. 190-192.) **MFA**
1705. — L'hypersensibilisation pratique. (Société française de photographie. Bulletin, Paris, 1912, série 3, tome 3, p. 126-133.) **MFA**
1706. **More points in autochrome work.** (Amateur photographer & photographic news, London, Nov. 11, 1912, v. 56, supplement, p. 3-4.) † **MFA**
Loading and exposure.
1707. **Das Neue Utocolor - Rapid - Papier.** (Photographische Korrespondenz, Wien, 1912, Bd. 49, p. 308-310.) **MFA**
1708. **Neues Utocolor - Papier.** (Photographische Rundschau, Halle a. S., 1912, Bd. 49, p. 160.) **MFA**
Formula for fixing bath.
1709. **A New colour photography.** With a non-screen plate and one exposure. (Amateur photographer & photographic news, London, April 8, 1912, v. 55, p. 356.) † **MFA**
Rheinberg process.
1710. **A New method of color photography.** (Camera craft, San Francisco, June, 1912, v. 19, p. 277-278.) **MFA**
Process of the Brothers Rheinberg.
1711. **Newton, A. J.** The use of grey in three-colour printing. (British journal of photography, London, 1912, v. 59, Colour photography supplement, p. 48, 56.) **MFA**
1712. **Newton, A. J., and A. J. BULL.** The testing of lenses for three-colour and process work. (Photographic journal, London, March, 1912, new series, v. 36, p. 91-98.) **MFA**
Also printed in *British journal of photography*, London, April 5, 1912, v. 59, Colour photography supplement, p. 14-15, MFA.
1713. **Palocsay, Albin von.** Wichtigere Fortschritte und Erfahrungen, betreffend die Photographie mit Farbrasterplatten. illus. (Jahrbuch für Photographie und Reproduktionstechnik für 1912, Halle a. S., 1912, Jahrg. 26, p. 250-276.) **MFA**
Progress from March, 1911 to April, 1912.

1912, continued.

1714. Pope, Sir William Jackson. The color plate in geology. (Camera craft, San Francisco, Jan., 1912, v. 19, p. 35.) **MFA**

1715. Prilejaeff, Alexandre. The choice and preparation of compensating light-filters for the autochrome plate. illus. (British journal of photography, London, 1911, v. 58, Colour photography supplement, p. 58-59, 61-62; 1912, Colour photography supplement, p. 7-8.) **MFA**

For a correction of typographical error see above periodical, v. 58, Nov. 3, 1911, Colour photography supplement, p. 64.

1716. Le Procédé diachrome. (Photogazette, Paris, April 25, 1912, année 22, p. 110-113.) **MFA**

1717. Recapitulation of direct color process by photography. (Bulletin of photography, Philadelphia, Nov. 6, 1912, v. 11, p. 686-687.) † **MFA**

1718. Rheinberg, Julius. The micro-spectra method of colour photography. (British journal of photography, London, May 3, 1912, v. 59, Colour photography supplement, p. 24.) **MFA**

Corrects a statement that Drac's process is similar to his own.

1719. Rheinberg, Julius, and ERNEST RHEINBERG. The micro-spectra method of colour photography by prismatic dispersion. illus. (Photographic journal, London, April, 1912, new series, v. 36, p. 162-191.) **MFA**

Also printed in *British journal of photography*, London, 1912, v. 59, Colour photography supplement, p. 19-24, 28-31, 33-36, 38-40, **MFA**, and in *Zeitschrift für wissenschaftliche Photographie*, Leipzig, 1913, Bd. 12, p. 373-408, **PLC**.

1720. Schmidt, Fritz. Farbenphotographie; eine Sammlung von Aufnahmen in natürlichen Farben. Heft 1. Leipzig: E. A. Seemann [1912?]. illus. f°. † **MFV**
Attractive photographs.

1721. Starr, William Ireland. Colour photographs on the Dufay dioptichrome plates. (British journal of photography, London, March 1, 1912, v. 59, Colour photography supplement, p. 10-11.) **MFA**
Instructions in detail.

1722. Str. Das Utocolorverfahren. (Photographische Chronik, Halle a. S., July 3, 1912, Jahrg. 19, p. 333-335.) † **MFA**

1723. Thieme, Paul. Autochromaufnahmen bei natürlichem und künstlichem Licht. (Photographische Rundschau, Halle a. S., 1912, Bd. 49, p. 135-137.) **MFA**

1724. Thovert, J. Hypersensitizing autochrome plates. (Bulletin of photography, Philadelphia, June 19, 1912, v. 10, p. 829-833.) † **MFA**

1725. Valenta, Eduard. Die Photographie in natürlichen Farben, mit besonderer Berücksichtigung des Lippmannschen Verfahrens sowie jener Methoden, welche bei einmaliger Belichtung ein Bild in Farben liefern. Halle a. S.: W. Knapp, 1912. xi, 180 p., 6 pl. 2. ed. 8°. (Encyclopädie der Photographie. Heft 2.) **MFV**

1726. — Über das Utocolorpapier. (Photographische Korrespondenz, Wien, 1912, Bd. 49, p. 361-362.) **MFA**

Also printed in *Photographische Rundschau*, Halle a. S., 1912, Bd. 49, p. 341-342, **MFA**.

1727. Le Vérachroscope. illus. (La Nature, Paris, 1912, tome 40, semestre 2, supplément, p. 19.) **OA**

1728. Wall, Edward John. The micro-spectra method of colour photography by prismatic dispersion. (British journal of photography, London, June 7, 1912, v. 59, Colour photography supplement, p. 32.) **MFA**

Claims that Charles Cros outlined the process in 1869.

1729. Weissermel, W. Autochrome exposures by flashlight. (British journal of photography, London, May 5, 1912, v. 59, Colour photography supplement, p. 18-19.) **MFA**

Uses a pyrocathechin developer.

1730. — Zur Farbenphotographie mit Autochromplatten u. a. (Photographische Rundschau, Halle a. S., 1912, Bd. 49, p. 58-59.) **MFA**

Autochrome, Dioptichrome, Omnicolore, N. P. G. plates.

1731. Wolf-Czapek, Karl Wilhelm. Farbige Kinematographie. illus. (Photographische Korrespondenz, Wien, 1912, Bd. 49, p. 436-440.) **MFA**

Briefly describes various processes.

1732. Wood, Robert Williams. Selective absorption of light on the moon's surface and lunar photography. (Astrophysical journal, Chicago, July, 1912, v. 36, p. 74-84.) **OMA**

Abstracted in *British journal of photography*, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 44, **MFA**.

1733. Worel, Karl. Mein verbessertes Verfahren der Photographie in Körperfarben durch Farbenanpassung. (Jahrbuch für Photographie und Reproduktionstechnik für 1912, Halle a. S., 1912, Jahrg. 26, p. 8-15.) **MFA**

1734. — Das Utocolorpapier. (Photographische Kunst, München, 1911-12, Jahrg. 10, p. 203-204.) † **MFA**

1913

1735. Adrien, Charles. Notes sur la photographie en couleurs dans les glaciers. (Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 59-60.) **MFA**
1736. Bawtree, A. E. A new colour transparency process. illus. (British journal of photography, London, 1913, v. 60, Colour photography supplement, p. 41-44, 48.) **MFA**
Uses sensitized fish-glue solution.
Abstract in *Amateur photographer & photographic news*, London, Nov. 10, 1913, v. 58, p. 430, †**MFA**.
1737. Berger, Arthur. Über die Farbwiedergabe durch die Autochromplatte. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 357-358.) **MFA**
1738. Berton, Rudolf, and MAURICE AUDIBERT. Das Kineidochrom. illus. (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 391-396.) **MFA**
Authors' process of color cinematography.
1739. Blaauw, A. H. De tropische natuur in schetsen en kleuren... Amsterdam: Koloniaal Instituut, 1913. 3 p.l., (i)x-xi, 185 p., 28 col'd pl., 4 maps. illus. 8°. **BFK**
— Amsterdam: Koloniaal Instituut, 1917. xi, 191 p. 2. ed. illus. 8°. **BFK**
1740. Brown, George Edward. All about color photography. illus. (Photo-miniature, New York, July, 1913, v. 11, p. 373-411.) **MFA**
General article describing well-known processes.
1741. Butler, Edwin T. The Butler tri-colour single exposure camera. (British journal of photography, London, June 6, 1913, v. 60, Colour photography supplement, p. 22-23.) **MFA**
1742. Calmels, H. Le témoin de sélection trichrome de Wratten & Wainwright. illus. (Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 157-159.) **MFA**
1743. Cobenzl, A. Farbenraster-Photographie. illus. (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 242-247.) **MFA**
Compares various plates used for color photography.
1744. — Farbige Photographien. (Photographische Kunst, München, 1912-13, Jahrg. 11, p. 284-287.) †**MFA**
Comparison of Autochrome, Dufay, Omnicolor, and Thames plates.
1745. Coker, Ernest George. Colour photography of internal stress in bodies of engineering form. illus. in color. (West of Scotland Iron & Steel Institute. Journal, Glasgow, 1913, v. 20, p. 81-104.) **VIA**
1746. Colour photography by the Paget duplicating method. (British journal of photography, London, April 4, 1913, v. 60, Colour photography supplement, p. 15-16.) **MFA**
1747. Cominetti, Annibale. Farbige Kinofotografien und deren Projektion. illus. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 231-234.) **MFA**
Berthon & Audibert patent.
1748. Coonoor, pseud. On working the autochrome plate in India. (British journal of photography, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 3-4.) **MFA**
1749. Cooper, James. Amateurs and the autochrome. (Photo-era, Boston, Aug., 1913, v. 31, p. 80-85.) **MFA**
Has table and abacus for exposures.
1750. Cousin, Ernest. Contribution à l'obtention des reproductions d'autochromes sur autochromes. (Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 330-335.) **MFA**
Also printed in *British journal of photography*, London, Feb. 6, 1914, v. 61, Colour photography supplement, p. 7, **MFA**, and in *Photographische Mitteilungen*, Berlin, 1913, Bd. 50, p. 373-374, **MFA**.
1751. Developing autochromes by ruby-light. (Photo-era, Boston, Oct., 1913, v. 31, p. 213.) **MFA**
From circular issued by the Gaumont Co.
1752. Drake-Brockman, H. G. A drying cupboard for hyper-sensitized screen-plates. illus. (British journal of photography, London, March 7, 1913, v. 60, Colour photography supplement, p. 9-11.) **MFA**
1753. Eder, Josef Maria. Quellschriften zu den frühesten Anfängen der Photographie bis zum XVIII. Jahrhundert... mit fünf heliographischen Porträten, zwei Lichtdrucktitelblättern und diverssem Buchschmuck. Halle a. S.: Wilhelm Knapp, 1913. 1 p.l., 187(1) p., 5 ports. illus. 4°. †**PKB**
Facsimiles of papers by Fabricius, Croll, Boyle, Balduin, Schulze, Hellot, Scheele, and Beccaria on the chemical action of light. Interesting introduction.
1754. Enlarged negatives from autochromes. (British journal of photography, London, Nov. 7, 1913, v. 60, Colour photography supplement, p. 44.) **MFA**
1755. Fallowfield, Jonathan. Autochrome correcting screens. (British journal of photography, London, Aug. 1, 1913, v. 60, Colour photography supplement, p. 32.) **MFA**
For sale by the above firm.
1756. Foersterling, K. Lichtfortpflanzung in inhomogenen Medien; Theorie der Lippmannschen Farbenphotographie. (Physikalische Zeitschrift, Leipzig, 1913, Jahrg. 14, p. 265-270.) **PAA**

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1757. **Gebhard, Kurt.** Notes on the chemistry of the bleaching-out of dyes. (British journal of photography, London, Oct. 3, 1913, v. 60, Colour photography supplement, p. 38-40.) **MFA**

1758. — Veränderung organischer Farbstoffe im Licht. (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 118-130.) **MFA**

1759. — Zur Theorie des Ausbleichverfahrens (Utocolorpapier). (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 76-77.) **MFA**

1760. **Gérard, Louise.** La retouche des autochromes. (Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 337-338.) **MFA**

1761. **Grange.** Black and green spots on autochromes. (British journal of photography, London, Aug. 1, 1913, v. 60, Colour photography supplement, p. 31-32.) **MFA**

1762. **Grove, J. M. C.** Prismatic fantasies of colour on autochrome plates. (British journal of photography, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 4.) **MFA**

1763. **Heyne, W.** Zur Kinematographie in natürlichen Farben. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 22-26.) **MFA**

1764. **Hind, H. Lloyd, and W. B. Randles.** Handbook of photomicrography. New York: E. P. Dutton & Co. [1913.] xii, 292 p., 44 pl. 8°. **OCG**

See chapter 9: Colour screens and colour sensitive plates; chapter 13: Colour photomicrography. Good reproductions of autochromes.

1765. **Huebl, Arthur, Freiherr von.** The Christensen (Agfa) screen-plate. (British journal of photography, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 4.) **MFA**

Suggestions as to light filter and reversing bath.

1766. — The correction of prevailing tints in autochromes by coloured screens. (British journal of photography, London, Sept. 5, 1913, v. 60, Colour photography supplement, p. 33-34.) **MFA**

1767. — Gelscheiben für Autochromaufnahmen. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 79.) **MFA**

1768. — Steigerung der Empfindlichkeit der Autochromplatte. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 81.) **MFA**

1769. **Ihran, R.** Sensitising methylene blue for bleach-out pictures in the camera. (British journal of photography, London, March 7, 1913, v. 60, Colour photography supplement, p. 11-12.) **MFA**

1770. **Intensifying autochromes.** (Photocera, Boston, Aug., 1913, v. 31, p. 105.) **MFA**
Agfa intensifier.

1771. **Just, Alexander.** Neuere Erfahrungen auf dem Gebiete des Ausbleichverfahrens. (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 168-179.) **MFA**

Thiosinamine derivatives as sensitizers. Also printed in *British journal of photography*, London, July 4, 1913, v. 60, Colour photography supplement, p. 26-27, *MFA*.

1772. **Koenig, Ernst.** Farben - Kinematographie. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 3-5.) **MFA**
Kinemacolor and colorgraph processes.

1773. — Ein neues Farbrasterverfahren. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 277-278.) **MFA**
Paget plate.

1774. — Ein vereinfachtes Kopierverfahren mit Pinatypiefarbstoffen. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 325-326.) **MFA**

1775. **Kuemmell, G.** Weitere Untersuchungen über die Beschleunigung des Ausbleichens von Farbstoffen. (Zeitschrift für wissenschaftliche Photographie, Leipzig, 1912, Bd. 11, p. 133-136.) **PLC**

Translation in *British journal of photography*, London, Sept. 6, 1912, v. 59, Colour photography supplement, p. 41-42, *MFA*.

1776. **Le Mée, Alexandre.** Colour prints on opal. (British journal of photography, London, May 2, 1913, v. 60, Colour photography supplement, p. 19-20.) **MFA**

1777. **The Leto Photo Materials Co.** A new colour screen-plate — "The Leto." illus. (British journal of photography, London, April 4, 1913, v. 60, Colour photography supplement, p. 13-14.) **MFA**

1778. **Lueppo-Cramer.** On reversal of the image in making screen-plate colour transparencies. (British journal of photography, London, Oct. 3, 1913, v. 60, Colour photography supplement, p. 37-38.) **MFA**

Abstract in *Société française de photographie. Bulletin*, Paris, 1914, série 3, tome 5, p. 171-172, *MFA*.

1779. **Lugdunensis, pseud.** A one-exposure three-colour camera. illus. (British journal of photography, London, 1913, v. 60, Colour photography supplement, p. 27, 32.) **MFA**

1780. **Manners, Samuel.** Colour prints by the Raydex process. (British journal of photography, London, April 4, 1913, v. 60, Colour photography supplement, p. 16.) **MFA**

1781. **Martin, Karl.** Ueber verbesserte Filter für Autochromaufnahmen. (Jahrbuch für Photographie und Reproduktionstechnik für 1913, Halle a. S., 1913, Jahrg. 27, p. 103-104.) **MFA**

1913, *continued*.

1782. **Meesterwerken** der kleuren-photographie. Eene verzameling van opnamen in de natuurlijke kleuren door middel van Lumières autochromplaten. Leiden: A. W. Sijthoff [1912-13]. 12 parts in 1 v. col'd illus. 4°. †† **MfV**

60 mounted plates and illustrated articles by Fritz Schmidt and others.

1783. **Monjauze, G.** Emploi des lampes électriques à incandescence pour le portrait sur autochromes. illus. (Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 203-204.) **MFA**

1784. **Monochrome** prints from colour negatives. (British journal of photography, London, Nov. 7, 1913, v. 60, Colour photography supplement, p. 44.) **MFA**

Special reference to Paget plates.

1785. **Monpillard, Félix.** Colour rendering with extra-sensitised autochrome plates. (British journal of photography, London, May 2, 1913, v. 60, Colour photography supplement, p. 18.) **MFA**

1786. ——— Extra sensitising of autochromes in practice. (British journal of photography, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 1-2.) **MFA**

1787. **Morton, Arthur E.** Conversion of autochromes into Paget colour slides. (British journal of photography, London, Dec. 5, 1913, v. 60, Colour photography supplement, p. 45-47.) **MFA**

1788. ——— Exposure of colour plates: some notes preparatory to a demonstration. (British journal of photography, London, May 2, 1913, v. 60, Colour photography supplement, p. 17-18.) **MFA**

Describes his process for exposing autochrome, Dufay, and Paget plates.

1789. ——— Influences modifying colour rendering. (British journal of photography, London, July 4, 1913, v. 60, Colour photography supplement, p. 25.) **MFA**

Importance of reflection and colour contrasts.

Also printed in *Camera craft*, San Francisco, Nov., 1913, v. 20, p. 535-536, **MFA**.

1790. **Namias, Rodolfo.** Bemerkungen und Beobachtungen aus der Praxis der Autochromphotographie. (Jahrbuch für Photographie und Reproduktionstechnik für 1913, Halle a. S., 1913, Jahrg. 27, p. 162-167.) **MFA**

Also printed in *Photo-era*, Boston, June, 1914, v. 32, p. 280-282, **MFA**.

1791. ——— Fehler bei Autochromaufnahmen und deren Abhilfe. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 47-48.) **MFA**

Also printed in *Photographische Chronik*, Halle a. S., Feb. 9, 1913, Jahrg. 20, p. 71-73, †**MFA**.

1792. **Eine Neue Farbenrasterplatte.** (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 144.) **MFA**

Leto plate.

1793. **Photographs** that have been made in natural colors. (Bulletin of photography, Philadelphia, Dec. 31, 1913, v. 13, p. 835-836.) † **MFA**

Brief early history.

1794. **Piper, Charles Welborne.** The functions of black and white in colour photography. (British journal of photography, London, Feb. 7, 1913, v. 60, Colour photography supplement, p. 5-6.) **MFA**

1795. **Pledge, John H.** The Christensen screen-plate. illus. (British journal of photography, London, Jan. 3, 1913, v. 60, Colour photography supplement, p. 4.) **MFA**

Photomicrographs of above plate and autochrome.

1796. ——— The Paget screen-plate. illus. (British journal of photography, London, Aug. 1, 1913, v. 60, Colour photography supplement, p. 32.) **MFA**

1797. **Renger-Patzsch, Robert.** Die Farbenplatte der Paget Co. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 363-364.) **MFA**

Also printed in *Photographische Chronik*, Halle a. S., Nov. 12, 1913, Jahrg. 20, p. 613-614, †**MFA**.

1798. **Rypinski, M. C.** Color photography. (American annual of photography for 1914, New York, 1913, v. 28, p. 116-126.) **MFA**

Briefly describes Dufay, Paget, and Autochrome processes.

1799. **Schrott, Paul, Ritter von.** Abschwächen von Autochromplatten. (Photographische Korrespondenz, Wien, 1913, Bd. 50, p. 397-400.) **MFA**

Also printed in Société française de photographie. Bulletin, Paris, 1914, série 3, tome 5, p. 170-171, **MFA**.

1800. **Schwarzer, Ed.** Grenzen des Autochromverfahrens. (Photographische Welt, Leipzig, Nov. 15, 1913, Jahrg. 27, p. 161-162.) **MFA**

1801. **Smith, John H.** Recent investigations in the bleachout process of colour photography. (British journal of photography, London, Aug. 1, 1913, v. 60, Colour photography supplement, p. 29-31.) **MFA**

Also printed in *Photographische Korrespondenz*, Wien, 1913, Bd. 50, p. 400-405, **MFA**, *Photographische Mitteilungen*, Berlin, 1913, Bd. 50, p. 255-257, 267-268, **MFA**, and Société française de photographie. Bulletin, Paris, 1913, série 3, tome 4, p. 267-275, **MFA**.

1802. **Smitten, Howard M.** Color plate exposures. illus. (Camera craft, San Francisco, Oct., 1913, v. 20, p. 475-476.) **MFA**

Dial designed for use with the Wynne meter.

Also printed in *British journal of photography*, London, April 3, 1914, v. 61, Colour photography supplement, p. 15, **MFA**.

1913, continued.

1803. Sparkle in colour transparencies. (British journal of photography, London, Nov. 7, 1913, v. 60, Colour photography supplement, p. 44.) MFA

Suggestion for obviating.

1804. Spoerl, Hans. Utocolor-Rapidpapier. (Photographische Kunst, München, 1912-13, Jahrg. 11, p. 173-174.) † MFA

1805. Steigerung der Empfindlichkeit der Autochromplatte. (Photographische Chronik, Halle a. S., April 23, 1913, Jahrg. 20, p. 214.) † MFA

Von Hübl's method.

1806. Stenger, Erich. The history of the reversal process as used in screen-plate colour photography. (British journal of photography, London, Sept. 5, 1913, v. 60, Colour photography supplement, p. 35-36.) MFA

1807. Streissler, Alfred. Das Paget-Farbenverfahren. (Photographische Welt, Leipzig, Oct. 15, 1913, Jahrg. 27, p. 146-148.) MFA

1808. — Das Rheinbergsche Verfahren der Farbenphotographie. (Photographische Welt, Leipzig, May 15, 1913, Jahrg. 27, p. 67-68.) MFA

1809. Substituting white paper for black behind autochrome plates. (Photo-ara, Boston, Feb., 1913, v. 30, p. 95.) MFA

1810. Thoerner, W. A simple viewing cabinet for autochromes. illus. (British journal of photography, London, Aug. 1, 1913, v. 60, Colour photography supplement, p. 32.) MFA

1811. Tobler, Friedrich. Einige Erfahrungen bei Autochromaufnahmen in den Tropen. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 297-300.) MFA

1812. Union photographique industrielle Établissements Lumière & Jougla réunis. Sensibilisieren von Ausbleichschichten. (Chemisch-technisches Repertorium, Cöthen, May 17, 1913, Jahrg. 37, p. 276.) VOA

D. R. P. 258241. Abstract only. Translation in *British journal of photography*, London, June 6, 1913, v. 60, Colour photography supplement, p. 24, MFA.

1813. Utocolor bleachout paper. (British journal of photography, London, Sept. 5, 1913, v. 60, Colour photography supplement, p. 36.) MFA

Brief reference to improved paper.

1814. Wallace, Robert James. Plain versus color-sensitive plates... Questions answered by the director of the Research Laboratory of the G. Cramer Dry Plate Co. (Camera craft, San Francisco, Feb., 1913, v. 20, p. 66-68.) MFA

1815. Watkins, Alfred. Exposure of colour plates. (British journal of photography, London, June 6, 1913, v. 60, Colour photography supplement, p. 24.) MFA
Criticises Morton's exposure scheme.

1816. The Watkins colour plate meter. (British journal of photography, London, July 4, 1913, v. 60, Colour photography supplement, p. 28.) MFA

1817. Whitfield, Geoffrey, and C. L. FINLAY. A demonstration of the Paget colour plate. (Photographic journal, London, April, 1913, new series, v. 37, p. 142-148.) MFA

With discussion.

1818. Why are color plates not artistically satisfactory? (Bulletin of photography, Philadelphia, July 23, 1913, v. 13, p. 111-112.) † MFA

1819. Wychgram, Engelhard. Autochrome Tierphotographie an der Nordsee. (Photographische Rundschau, Halle a. S., 1913, Bd. 50, p. 229-231.) MFA

1914

1820. Barker, J. W. The Paget color process—making the positive. (Camera craft, San Francisco, Aug., 1914, v. 21, p. 408-409.) MFA

1821. Barton, E. A. A note on exposure of autochrome plates. (British journal of photography, London, June 5, 1914, v. 61, Colour photography supplement, p. 24.) MFA

1822. Bawtree, A. E. Lead intensification. illus. (Amateur photographer, London, May 25, 1914, v. 59, p. 497-498.) † MFA
Partly reprinted in *Camera craft*, San Francisco, June, 1914, v. 21, p. 295-296, MFA.

1823. Biermann, E. A. Individualised autochromy. (Amateur photographer & photographic news, London, July 20, 1914, v. 60, p. 56.) † MFA
Suggestions for exposure.

1824. Brand, John. The Raydex process of colour photography on paper. (British journal of photography, London, March 6, 1914, v. 61, Colour photography supplement, p. 9.) MFA

1825. Breton, André. Photographies en couleurs pouvant être reproduites. Le procédé Paget. (La Nature, Paris, 1914, année 42, semestre 2, p. 148-151.) OA

1826. Brizet, André. Exposure and development of autochromes. (British journal of photography, London, May 1, 1914, v. 61, Colour photography supplement, p. 19-20.) MFA

1914, continued.

1827. **Broum, Karl H.** Einiges zur Dreifarben-Autotypie. (Photographische Korrespondenz, Wien, 1914, Bd. 51, p. 450-451.)

MFA

1828. **Burton, H. M.** Hints for new colour-plate workers. (British journal of photography, London, Oct. 2, 1914, v. 61, Colour photography supplement, p. 37-38.)

MFA

1829. The **Business** aspect of colour photography. (British journal of photography, London, July 3, 1914, v. 61, Colour photography supplement, p. 25-26.)

MFA

1830. **Calmels, H.** Procédé Paget - Color pour la photographie des couleurs à un nombre illimité d'exemplaires. (Société française de photographie. Bulletin, Paris, 1914, série 3, tome 5, p. 186-197.)

MFA

1831. **Carr, Sydney Herbert.** Notes on exposure, etc., in the autochrome process. (British journal of photography, London, Dec. 4, 1914, v. 61, Colour photography supplement, p. 48.)

MFA

1832. **Carrara, Achille.** A new quick-drying sensitiser for three colour and ordinary carbon tissues. (British journal of photography, London, Jan. 2, 1914, v. 61, Colour photography supplement, p. 3-4.)

MFA

Ammonium bichromate and ethyl alcohol.

Also printed in *Camera craft*, San Francisco, June, 1914, v. 21, p. 293-294, MFA.

1833. — Reproduction of autochromes on paper by three-colour carbon printing. (British journal of photography, London, March 6, 1914, v. 61, Colour photography supplement, p. 10.)

MFA

Also printed in *Camera craft*, San Francisco, Aug., 1914, v. 21, p. 407-408, MFA.

1834. **Crémier, Victor.** Chloranol as a developer for autochrome plates. (British journal of photography, London, July 3, 1914, v. 61, Colour photography supplement, p. 26-27.)

MFA

1835. **Dawson, Alfred.** Three-colour cameras. (British journal of photography, London, April 3, 1914, v. 61, Colour photography supplement, p. 16.)

MFA

Endeavors to explain lack of symmetry in images.

1836. **Dearden, W.** Autochrome hints. (British journal of photography, London, Aug. 7, 1914, v. 61, Colour photography supplement, p. 32.)

MFA

1837. The **Evolution** of screen-plate colour photography. (British journal of photography, London, Oct. 2, 1914, v. 61, Colour photography supplement, p. 38-39.)

MFA

1838. An **Exhibition** of the work of Louis Ducos du Hauron in colour photography.

(British journal of photography, London, June 5, 1914, v. 61, Colour photography supplement, p. 23-24.)

MFA

Gives a list of early negatives and prints.

1839. **Fischer, R., and H. SIEGRIST.** Über die Bildung von Farbstoffen durch Oxydation mittels belichteten Halogensilbers. (Photographische Korrespondenz, Wien, 1914, Bd. 51, p. 18-22, 208-211.)

MFA

1840. **Foersterling, K.** Zur Theorie der Lippmannschen Farbenphotographie. (Physikalische Zeitschrift, Leipzig, 1913-14, Jahrg. 14, p. 265-270; Jahrg. 15, p. 225-234, 940-952.)

PA A

1841. **Gebhard, Kurt.** Bildung und Zerstörung von Farbstoffen im Licht. *illus.* (Photographische Korrespondenz, Wien, 1914, Bd. 51, p. 384-385.)

MFA

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MFA

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1856. Karl Wilhelm Wolf-Czapek. port. (Photographische Kunst, München, 1913-14, Jahrg. 12, Tafel 78, opp. p. 249.) † **MFA**

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1870. Morton, Arthur E. On tour with screen-plates. (British journal of photography, London, Aug. 7, 1914, v. 61, Colour photography supplement, p. 30.) **MFA**

1871. — Sunrise and sunset effects. (British journal of photography, London, Dec. 4, 1914, v. 61, Colour photography supplement, p. 47.) **MFA**

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1873. — Colour photography in Ceylon. (British journal of photography, London, Oct. 2, 1914, v. 61, Colour photography supplement, p. 40.) **MFA**
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2037. The Commercial side of colour photography. (British journal of photography, London, May 11, 1917, v. 64, p. 249-250.) **MFA**

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2054. — Photo-micrographs in colour. (British journal of photography, London, Jan. 4, 1918, v. 65, Colour photography supplement, p. 1-2.) MFA

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2056. Photo-micrographs in color. (Mining and scientific press, San Francisco, Oct. 27, 1917, v. 115, p. 610.) VA

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2058. — The development of the science of colour. (British journal of photography, London, Jan. 5, 1917, v. 64, Colour photography supplement, p. 1-2.) MFA

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2059. Press, A. How are photographs made in natural colors? illus. (Popular science monthly, New York, 1917, v. 90, p. 254-255.) *DA

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2061. Le Procédé versicolor Dufay pour la photographie des couleurs. illus. (La Nature, Paris, Nov. 10, 1917, v. 45, p. 292-294.) OA

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2063. Struss, Karl. Colour photography. (American photography, Boston, Aug., 1917, v. 11, p. 437-444.) MFA

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2064. The Technicolor process of two-colour cinematography. illus. (British journal of photography, London, Nov. 2, 1917, v. 64, Colour photography supplement, p. 41-43.) **MFA**

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2067. Austin, A. C. The autochrome plate in photo-lithography. (British journal of photography, London, April 5, 1918, v. 65, Colour photography supplement, p. 13-14.) **MFA**

2068. Bull, A. J. Some peculiarities of colour and their bearing on photographic work. (Photographic journal, London, Jan., 1918, new series, v. 42, p. 9-13.) **MFA**

With discussion.

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2069. Colour photography of the battlefield. (British journal of photography, London, June 7, 1918, v. 65, Colour photography supplement, p. 24.) **MFA**

Account of the work of F. Hurley in Flanders and Palestine.

2070. Decennia practica — colour photography. illus. (British journal of photography, London, 1917, v. 64, Colour photography supplement, p. 2-7, 11-12, 14-16, 18-20, 23-24, 27-28, 31-32, 35-36, 38-39, 43-44, 46-48; 1918, v. 65, Colour photography supplement, p. 3-4, 6-8, 12, 14, 18-20, 23-24, 26-27, 31-32, 35-36, 39-40, 42-44, 47-48; 1919, v. 66, Colour photography supplement, p. 3-4, 7-8, 11-12, 20, 27-28.) **MFA**

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2071. The Douglass process of cinematography. (British journal of photography, London, April 5, 1918, v. 65, Colour photography supplement, p. 16.) **MFA**

2072. Fischer, Otto. Beitrag zur Kenntniss der Chinocyanine (Pinacyanole, Dicyanine). (Journal für praktische Chemie, Leipzig, 1918, N. F. Bd. 98, p. 204-232.) **PKA**

2073. Fox method of preparing positives for subtractive two-color cinematography. (Motion picture news, New York, April 6, 1918, v. 17, p. 2110-2112.) **MFL**

2074. Hess - Ives Corporation. Dichroic films for selective transmission and reflective of colour rays. (British journal of photography, London, March 1, 1918, v. 65, Colour photography supplement, p. 9-11.) **MFA**

Abridgment of their patent specification 110089 of Feb., 1917.

2075. Ives, Herbert Eugene. The resolution of mixed colours by differential visual diffusivity. illus. (Philosophical magazine and journal of science, London, May, 1918, series 6, v. 35, p. 413-421.) **OA**

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2076. Meggers, W. F. Wave-length measurements in spectra from 5600 to 9600 Å. illus. (United States. — Standards Bureau. Bulletin, Washington, June 24, 1918, v. 14, p. 371-395.) **VBDA**

See p. 376-377 for dyes used in photographing red and infra red.

2077. A Pioneer in colour photography. (British journal of photography, London, April 5, 1918, v. 65, Colour photography supplement, p. 16.) **MFA**

Refers to Henry Collen. See entry under his name.

2078. Piper, Charles Welborne. Some thoughts on coloured photographs and photographs in colour. (British journal of photography, London, May 3, 1918, v. 65, Colour photography supplement, p. 17-18.) **MFA**

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2079. Prizma two-colour cinematography. (British journal of photography, London, Feb. 1, 1918, v. 65, Colour photography supplement, p. 8.) **MFA**

Comments on article by A. S. Cory in *Motion picture news* of Jan. 12, 1918.

2080. Rounds, Will. Avoiding pitfalls in making autochromes. (British journal of photography, London, June 7, 1918, v. 65, Colour photography supplement, p. 22-23.) **MFA**

2081. Rundle, B. Autochrome frames and a few hints. illus. (British journal of photography, London, Nov. 1, 1918, v. 65, Colour photography supplement, p. 41-42.) **MFA**

2082. Seyewetz, A. Dyes in colour photography. (British journal of photography, London, Dec. 6, 1918, v. 65, Colour photography supplement, p. 46-47.) **MFA**

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2083. **Storr, B. V.** Photographic materials and processes. (Society of Chemical Industry. Reports of the progress of applied chemistry, London. v. 1, 1916, p. 298-315; v. 2, 1917, p. 495-509; v. 3, 1918, p. 457-466.)
VOA

Reviews progress in color processes and cinematography, especially with reference to patents.

The above are reprinted in *British journal of photography*, London, 1917, v. 64, p. 353-356, 364-366; 1919, v. 66, p. 13-15, 27-28, 605-608, *MFA*.

2084. **Warburg, Agnes B.** "War-type" (Bromoil-transfero-collotype). (British journal of photography, London, Oct. 4, 1918, v. 65, Colour photography supplement, p. 37-38.)
MFA

2085. **Wilkinson, W. T.** New method of producing tri-color prints. (Camera craft, San Francisco, April, 1918, v. 25, p. 157-159.)
MFA

1919

2086. **Belden, Charles J.** Autochrome photography by artificial light. (British journal of photography, London, July 4, 1919, v. 66, Colour photography supplement, p. 25-26.)
MFA

2087. — Color photography by artificial light. (The Camera, Philadelphia, 1919, v. 23, p. 246-249.)
MFA

2088. **Books on colour photography.** (British journal of photography, London, June 6, 1919, v. 66, Colour photography supplement, p. 24.)
MFA

2089. **Butler, C. P.** The bleachout process. (British journal of photography, London, July 4, 1919, v. 66, Colour photography supplement, p. 28.)
MFA

2090. **Butler, Edwin T.** The Butler three-colour camera. (British journal of photography, London, Sept. 5, 1919, v. 66, Colour photography supplement, p. 36.)
MFA

2091. **A Combined** transparency viewing apparatus and retouching stand. *illus.* (British journal of photography, London, June 6, 1919, v. 66, Colour photography supplement, p. 22-24.)
MFA

2092. **Douglass, L. F.** Douglass two-colour cinematography. (British journal of photography, London, Jan. 3, 1919, v. 66, Colour photography supplement, p. 2-3.)
MFA
Specification of his patent 117864 of 1918 (British).

2093. **Expert, pseud.** Dust and the Paget colour process. (British journal of photography, London, March 7, 1919, v. 66, Colour photography supplement, p. 12.)
MFA

2094. **Fanstone, Robert M.** Colour screen hints. (British journal of photography, London, Oct. 3, 1919, v. 66, Colour photography supplement, p. 40.)
MFA

Suggests greater care in calculating time of exposure.

Also printed in *Camera craft*, San Francisco, Feb., 1920, v. 27, p. 68, *MFA*.

2095. — Essential features in apparatus for colour photography. (British journal of photography, London, Nov. 7, 1919, v. 66, Colour photography supplement, p. 41-42.)
MFA

Hints on cameras, lenses, filters, and exposure meters.

2096. — Lantern-slides by the screen-plate process. (British journal of photography, London, Dec. 5, 1919, v. 66, Colour photography supplement, p. 45-46.)
MFA

2097. — Notes on the Paget process. (British journal of photography, London, June 6, 1919, v. 66, Colour photography supplement, p. 24.)
MFA

Also printed in *Camera craft*, San Francisco, Oct., 1919, v. 26, p. 403-404, *MFA*.

2098. — Registering Paget transparencies. (British journal of photography, London, Nov. 7, 1919, v. 66, Colour photography supplement, p. 44.)
MFA

2099. **Godbold, A. Vernon.** Fourteen points on colour. (British journal of photography, London, 1919, v. 66, p. 261-262, 275-276.)
MFA

2100. **The Gorsky colour process.** (British journal of photography, London, Nov. 7, 1919, v. 66, Colour photography supplement, p. 44.)
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Brief reference.

2101. **Gross, Michael.** The quest of color. (Photo-era magazine, Boston, Feb., 1919, v. 42, p. 64-68.)
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Historical.

2102-2103. **H. Essenhigh Corke.** (Photographic journal, London, March, 1919, new series, v. 43, p. 102-103.)
MFA

Obituary.

2104. **Havelock, Bertram E.** The light-filter in autochrome photography. *illus.* (British journal of photography, London, June 6, 1919, v. 66, Colour photography supplement, p. 22-23.)
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Also printed in *Camera craft*, San Francisco, Oct., 1919, v. 26, p. 402-403, *MFA*.

2105. **Ives, Frederic Eugene.** A new photographic mordant dye process. (British journal of photography, London, Jan. 3, 1919, v. 66, Colour photography supplement, p. 1-2.)
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Has also specification of British patent no. 113617 of 1918 granted to author and the Hess-Ives Corporation.

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2106. Koegel, P. R. Die Konstitution organischer Farbstoffe und ihre Lichtempfindlichkeit unter dem Einfluss von Anethol und anderer Sensibilisatoren. (Photographische Korrespondenz, Wien, 1919, Bd. 56, p. 224-231, 258-270.) **MFA**

2107. — Die theoretischen Grundlagen eines neuen direkten farbenphotographischen Verfahrens mittels Körperfarben. (Photographische Korrespondenz, Wien, 1919, Bd. 56, p. 332-337.) **MFA**

2108. Kropf, Fritz. Entwicklungsbilder und Farbenempfindlichkeit verschiedener Silbersalze. illus. (Photographische Korrespondenz, Wien, 1919, Bd. 56, p. 33-42.) **MFA**

Abstract translation in *British journal of photography*, London, Sept. 3, 1920, v. 67, Colour photography supplement, p. 36, **MFA**.

2108a. Lucas, E. G. Handel. Three-colour photography. (British journal of photography, London, Oct. 3, 1919, v. 66, Colour photography supplement, p. 39-40.) **MFA**

Suggests that tri-color photography must be developed and not scrapped as a "blind alley."

2109. Lumière, Auguste, and others. A simplified method of developing autochrome plates. (British journal of photography, London, Oct. 3, 1919, v. 66, Colour photography supplement, p. 37.) **MFA**

Also printed in *Camera craft*, San Francisco, Dec., 1919, v. 26, p. 478-479, **MFA**.

2110. Lund, Carl H., and L. E. WISE. Intermediates used in the preparation of photosensitizing dyes. 2: Quaternary halides. (Journal of industrial & engineering chemistry, Easton, Penn., May, 1919, v. 11, p. 458-460.) **VOA**

2111. Mees, Charles Edward Kenneth, and H. T. CLARKE. A new yellow dye and light filters made from it. illus. (Journal of industrial & engineering chemistry, Easton, Penn., May, 1919, v. 11, p. 454-455.) **VOA**

2111a. Meugniot. Une méthode simplifiée de développement des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1919, série 3, tome 6, p. 341-343.) **MFA**

2112. Miethé, Adolf, and ERICH STENGER. Ultraviolettdurchlässige Filter. illus. (Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie, Leipzig, 1919, Bd. 19, p. 57-68.) **PLC**

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2113. Mikeska, L. A., and others. Intermediates used in the preparation of photosensitizing dyes. 1: Quinoline bases. (Jour-

nal of industrial and engineering chemistry, Easton, Penn., May, 1919, v. 11, p. 456-458.) **VOA**

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2115. Newens, Frank R. A demonstration of "Raydex." (Photographic journal, London, Dec., 1919, new series, v. 43, p. 238-241.) **MFA**

2116. Nicholson, John William. Energy distribution in spectra. (Nature, London, Aug. 21, 1919, v. 103, p. 495-498.) **OA**

2117. Paget colour process. (British journal of photography, London, April 4, 1919, v. 66, Colour photography supplement, p. 14.) **MFA**

Suggestions for keeping screens and filters clean.

2118. Pope, Sir William Jackson. The photography of coloured objects. (Manchester Literary and Philosophical Society. Memoirs, Manchester, Oct. 24, 1919, v. 64, part 2, p. xxviii-xxx.) * **EC**

Abstract in *Nature*, London, Nov. 27, 1919, v. 104, p. 346, **OA**. Account of dyestuffs prepared under the author's direction.

2119. Pseudo-colour processes. (British journal of photography, London, Jan. 3, 1919, v. 66, Colour photography supplement, p. 4.) **MFA**

Brief references to "Mars-Star" and Solgram processes.

2120. Rendall, H. E. Paget colour photography. (British journal of photography, London, Nov. 7, 1919, v. 66, Colour photography supplement, p. 44.) **MFA**

2121. — A review of colour photography. (British journal of photography, London, 1919, v. 66, Colour photography supplement, p. 31-34.) **MFA**

Reviews paper printing processes.

2122. Where we stand in colour photography. (British journal of photography, London, June 6, 1919, v. 66, Colour photography supplement, p. 21-22.) **MFA**

Brief account of developments during war time.

Also printed in *Camera craft*, San Francisco, Oct., 1919, v. 26, p. 399-401, **MFA**, and *Photo-era magazine*, Boston, Oct., 1919, v. 43, p. 186-188, **MFA**.

2123. Williams, S. H. A new process of printing on paper in natural colours. (Photographic journal, London, March, 1919, new series, v. 43, p. 88-95.) **MFA**

Abstracts in *Camera craft*, San Francisco, May, 1919, v. 26, p. 201-202, **MFA**, and *Amateur photographer*, London, March 5, 1919, v. 47, p. 200, †**MFA**.

1919, continued.

2124. — Three-colour Bromoil enlargements from negatives of the Joly type. (British journal of photography, London, 1919, v. 66, Colour photography supplement, p. 15-16, 18-20.) **MFA**

Paper read before the Royal Photographic Society. With discussion.

Also printed in *Camera craft*, San Francisco, Sept., 1919, v. 26, p. 359-361, *MFA*, without discussion.

2125. Wise, Louis E., and others. Synthesis of photosensitizing dyes; pinaverdol and pinacyanol. (Journal of industrial and engineering chemistry, Easton, Penn., May, 1919, v. 11, p. 460-463.) **VOA**

Also printed in *British journal of photography*, London, Sept. 5, 1919, v. 66, Colour photography supplement, p. 34-36, *MFA*.

2126. Yerbury, S. G. Is three-colour a blind alley? (British journal of photography, London, Sept. 5, 1919, v. 66, Colour photography supplement, p. 36.) **MFA**

2127. Yoshida, Usaburo. Methyl-violet as a red sensitiser of the photographic plate. illus. (Kyoto Imperial University. — College of Science. Memoirs, Kyoto, 1917-19, v. 3, p. 69-71.) **OA**

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2128. Arch, John C. Making and printing carbon tissues for three-colour printing. (British journal of photography, London, Sept. 3, 1920, v. 67, Colour photography supplement, p. 33-34.) **MFA**

2129. Arturo Hernandez. (British journal of photography, London, Nov. 5, 1920, v. 67, Colour photography supplement, p. 44.) **MFA**

Notice of his death.

2130. Autochromes of the lunar eclipse. (British journal of photography, London, July 2, 1920, v. 67, Colour photography supplement, p. 28.) **MFA**

40-minute exposure in telescopic camera of the Société française de photographie.

2131. Barbier, H. Colorants sensibilisateurs dérivés des quinoléines, quinaldines et lépidines contenant les radicaux diméthyl-amino et diéthylamino. (Société chimique de France. Bulletin, Paris, 1920, série 4, tome 27, p. 427-439.) **PKA**

2132. Blueness of water effects in the Paget process. (British journal of photography, London, April 2, 1920, v. 67, Colour photography supplement, p. 15-16.) **MFA**

2133. Burka, Samuel M. Hypersensitizing commercial panchromatic plates. illus. (Franklin Institute. Journal, Philadelphia, 1920, v. 189, p. 25-46.) **VA**

Also printed in *British journal of photography*, London, 1920, v. 67, p. 479-481, 496-499, 514, *MFA*.

2134. Capstaff, J. G., and E. R. BULLOCK. A production of panchromatic sensitiveness without dyes. illus. (British journal of photography, London, Nov. 26, 1920, v. 67, p. 719-720.) **MFA**

Communication no. 92 from the Research Laboratory of the Eastman Kodak Company.

2135. Claudy, Carl Harry. Color photography. (The Camera, Philadelphia, 1920, v. 24, p. 406-411.) **MFA**

Ives' processes of still and moving pictures.

2136. — The romance of invention. Fred-eric E. Ives, wizard of color and light, and father of the half-tone. port. (Scientific American, New York, July 31, 1920, v. 123, p. 104, 112, 114.) **VA**

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2137. Colour photography; the autochrome and Paget methods described, and their applicability compared. Duplicating colour transparencies. Difficulties in the way of colour work on paper. (Amateur photographer and photography, London, March 3, 1920, v. 49, p. 173-174.) **† MFA**

2138. Crémier, Victor. Developers for the autochrome plate. (British journal of photography, London, Aug. 6, 1920, v. 67, Colour photography supplement, p. 31.) **MFA**

2139. Crowther, Raymond E. Photographic materials and processes. (Society of Chemical Industry. Reports of the progress of applied chemistry, London, v. 4, 1919, p. 508-522; v. 5, 1920, p. 505-522.) **VOA**

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2140. Davidson, Winn W. The future of color photography. (Photo-era magazine, Boston, Feb., 1920, v. 44, p. 80-85.) **MFA**

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2141. Death of Sir William Abney. port. (British journal of photography, London, Dec. 10, 1920, v. 67, p. 755-756.) **MFA**

2142. Eastman Kodak Company. The photography of colored objects. Rochester, N. Y.: Eastman Kodak Co., 1920. 102 p. illus. 4. ed. 8°. **MFK**

2143. Fanstone, Robert M. Adapting single metal slides for the Paget colour process. (British journal of photography, London, Aug. 6, 1920, v. 67, Colour photography supplement, p. 32.) **MFA**

2144. — Binding Paget colour transparencies. (British journal of photography, London, Jan. 2, 1920, v. 67, Colour photography supplement, p. 4.) **MFA**

1920, *continued.*

2145. — Clearing autochromes and fixing after intensification. (British journal of photography, London, Nov. 5, 1920, v. 67, Colour photography supplement, p. 44.)

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2146. — Colour photography in portraiture. (British journal of photography, London, July 2, 1920, v. 67, Colour photography supplement, p. 25-27.)

MFA

Suggestions as to lenses, backgrounds, and posing.

2147. — The colour photography of stained glass by the screen plate process. (British journal of photography, London, Aug. 6, 1920, v. 67, Colour photography supplement, p. 29-31.)

MFA

2148. — Flower photography in natural colours by the screen-plate process. (British journal of photography, London, Nov. 6, 1920, v. 67, p. 41-43.)

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2149. — Identifying three-colour negatives. (British journal of photography, London, April 2, 1920, v. 67, p. 16.)

MFA

Directions for marking films.

2150. — The intensification of autochromes. (British journal of photography, London, Nov. 5, 1920, v. 67, Colour photography supplement, p. 44.)

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2151. — Lantern slides from Paget colour negatives. (British journal of photography, London, May 7, 1920, v. 67, p. 20.)

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2152. — Monochrome prints from Paget colour negatives. (British journal of photography, London, Jan. 2, 1920, v. 67, Colour photography supplement, p. 4.)

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2153. — A simple holder for three-colour light-filters. *illus.* (British journal of photography, London, May 7, 1920, v. 67, Colour photography supplement, p. 17-18.)

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2154-2155. — Subject and lighting in screen-plate colour photography. (British journal of photography, London, Feb. 6, 1920, v. 67, p. 7-8.)

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2156. Hervé. Le portrait sur autochromes à l'atelier et en plein air. (Société française de photographie. Bulletin, Paris, 1920, série 3, tome 7, p. 34-36.)

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2157. Ives, Frederic Eugene. Dye-toning with ferricyanide and chromic acid bleach. (British journal of photography, London, June 4, 1920, v. 67, Colour photography supplement, p. 24.)

MFA

2158. — A further development of Ives' mordant dye-image process. (British jour-

nal of photography, London, Nov. 5, 1920, v. 67, Colour photography supplement, p. 43.)

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2159. Jové. Notes pratiques sur l'hypermobilisation des plaques autochromes. (Société française de photographie. Bulletin, Paris, 1920, série 3, tome 7, p. 198-199.)

MFA

Also printed in *British journal of photography*, London, Jan. 7, 1921, v. 68, Colour photography supplement, p. 4, *MFA*.

2160. Knoche, Paul. Die physiologischen Grundlagen der Farbenphotographie. (Photographische Rundschau, Halle a. S., 1920, Bd. 57, p. 287-290.)

MFA

2161. Koegel, P. R. Dyes for the bleachout process. (British journal of photography, London, Aug. 6, 1920, v. 67, Colour photography supplement, p. 32.)

MFA

2162. — Über die Verwendung der Blütenfarbstoffe für die Farbenphotographie. (Photographische Korrespondenz, Wien, 1920, Jahrg. 57, p. 86-91.)

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2163. Louis Ducos du Hauron. *port.* (British journal of photography, London, Oct. 1, 1920, v. 67, Colour photography supplement, p. 38-39.)

MFA

Brief biography with chronological list of his inventions.

2164. Lueppo-Cramer. Farbenempfindlichkeit und Entwicklungsart. (Photographische Rundschau, Halle a. S., Bd. 57, p. 129-130.)

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2165. Lumière, Auguste, and others. Sur les propriétés sensibilisatrices d'une nouvelle série de matières colorantes. *illus.* (Société française de photographie. Bulletin, Paris, 1920, série 3, tome 7, p. 182-184.)

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2166. Mills, William Hobson, and P. E. EVANS. The cyanine dyes. Part 2: The synthesis of O-aminocinnamylidenequinoline methiodide. (Chemical Society. Transactions, London, 1920, v. 117, p. 1035-1040.)

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2167. Mills, William Hobson, and F. M. HAMER. The cyanine dyes. Part 3: The constitution of pinacyanol. (Chemical Society. Transactions, London, 1920, v. 117, p. 1550-1562.)

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2168. Mills, William Hobson, and SIR W. J. POPE. Studies in photographic sensitizers. *illus.* (Photographic journal, London, 1920, new series, v. 44, p. 183-202, 253-267.)

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Part 1: The isocyanine dyestuffs.

Part 2: The carbocyanines.

2169. Mills, William Hobson, and R. S. WISHART. The cyanine dyes. Part 1: The constitution of the isocyanines. (Chemical Society. Transactions, London, 1920, v. 117, p. 579-587.)

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2170. Newens, Frank R. Raydex three-colour photographic printing process. (British journal of photography, London, Dec. 3, 1920, v. 67, p. 740.) **MFA**

Abstract of paper read before the Croydon Camera Club.

2171. Offer, Thomas J. Direct colour photography of stage plays. (British journal of photography, London, Jan. 2, 1920, v. 67, Colour photography supplement, p. 2-3.) **MFA**

Practical suggestions.

2172. Plotnikov, Ivan Stepanovich. Allgemeine Photochemie, ein Hand- und Lehrbuch für Forschung, Praxis und Studium. Berlin: Vereinigung wissenschaftlicher Verleger, 1920. xiv, 729 p. illus. 8°. **PLC**

See p. 689-699, 703: Farbenphotographie. Includes a chronology. For translation of section on the bleachout process, see *British journal of photography*, March 4, 1921, v. 68, Colour photography supplement, p. 12, *MFA*.

2172a. Prokoudine-Gorsky, S. de. Importance of colour photography for schools and the community in general. (British journal of photography, London, 1920, v. 67, p. 13-15, 19-20.) **MFA**

2173. Rendall, H. E. Approximately correct colour photography. illus. (British journal of photography, London, Dec. 3, 1920, v. 67, Colour photography supplement, p. 45-46.) **MFA**

Suggests use of two colors and of a black key plate.

2174. — Experiment in colour photography. (British journal of photography, London, Jan. 2, 1920, v. 67, Colour photography supplement, p. 1-2.) **MFA**

Suggests lines of development.

2175. Rimmer, John Brown. Simplified autochrome work. (American photography, Boston, Sept., 1920, v. 14, p. 516-519.) **MFA**

Also printed in *British journal of photography*, London, Oct. 1, 1920, v. 67, Colour photography supplement, p. 39-40, *MFA*.

2176. Toulon, Pierre. Les projections stéréoscopiques par la lumière polarisée. illus. (Société française de photographie. Bulletin, Paris, 1920, série 3, tome 7, p. 112-117.) **MFA**

2177. Vies, Guiliam de. Autochrome work in tropical Africa. (Amateur photographer and photography, London, March 24, 1920, v. 49, p. 236.) † **MFA**

2178. W., L. T. Colour photography by the latest process. illus. (Work, London, 1920, v. 58, p. 290.) **VA**

Paget process.

2179. Wall, Edward John. Truthful colour rendering. (British journal of photography, London, Sept. 3, 1920, v. 67, Colour photography supplement, p. 36.) **MFA**

2180. Wilcox, Walter Dwight. Autochrome photography... A paper read...at the annual meeting of the American Alpine Club January 3, 1920, and directed to be printed for distribution to the members. [Canada:] The American Alpine Club [1920], 6 p., 1 l. 8°. **MFF p.v. 51, no. 11**

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2181. Adrien, Charles. Note sur la désensibilisation des autochromes. (Société française de photographie. Bulletin, Paris, April, 1921, série 3, tome 8, p. 110-112.) **MFA**

2182. — Notes sur la stéréoscopie autochrome sur plaques 9 x 12 et divers accessoires de chambre noire. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 24-26.) **MFA**

Also printed in *British journal of photography*, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 8, *MFA*, and *Camera craft*, San Francisco, March, 1921, v. 28, p. 94-95, *MFA*.

2183. The Auto colour camera. (British journal of photography, London, March 4, 1921, v. 68, Colour photography supplement, p. 11-12.) **MFA**

Simplicity claimed for the apparatus of F. Donisthorpe.

2184. Bennett, Colin N. Principles of colour photography in simple language. (British journal of photography, London, May 6, 1921, v. 68, Colour photography supplement, p. 19-20.) **MFA**

Reprint of article in the *Kinematograph weekly*. Largely historical.

2185. Burchardt, Ernest A. Negatives for three-colour printing from autochromes. (British journal of photography, London, Sept. 2, 1921, v. 68, Colour photography supplement, p. 33-34.) **MFA**

2186. Clay, Reginald S. A suggestion for a new method of photography in colour. illus. (British journal of photography, London, March 4, 1921, v. 68, Colour photography supplement, p. 9-10.) **MFA**

Suggests a diffraction grating based upon Newton's rings.

2187. A Colour camera. (British journal of photography, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 8.) **MFA**

Brief reference to apparatus of Hiram C. Deeks.

2188. Crabtree, J. I. A method of producing reversed dye images. (Camera craft, San Francisco, Nov., 1921, v. 28, p. 374-377.) **MFA**

Communication no. 97 from the Research Laboratory of the Eastman Kodak Co.

1921, continued.

2189. Davis, Raymond. A new method for the measurement of photographic filter factors. Washington: Gov. Prtg. Off., 1921. 1 p.l., 79-89 p. illus. 4°. (United States. — Bureau of Standards. Scientific papers. no. 409.) **PAH (U. S.)**
2190. Desensitising autochrome plates. (British journal of photography, London, July 15, 1921, v. 68, p. 418.) **MFA**
2191. Direct colour photography in medicine. (Lancet, London, May 28, 1921, v. 200, p. 1146.) **WAA**
Brief account of colored lantern slides at the Royal Society of Medicine.
Also printed in *British journal of photography*, London, July 1, 1921, v. 68, Colour photography supplement, p. 28, *MFA*.
2192. Eder, Josef Maria. Pinaflavol, ein neuer Sensibilisator für Grün. (Photographische Rundschau, Halle a. S., 1921, Bd. 58, p. 87-90.) **MFA**
2193. Espitallier, M. R. Autochrome development. (British journal of photography, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 8.) **MFA**
Also printed in *Camera craft*, San Francisco, March, 1921, v. 28, p. 95, *MFA*.
2194. F., W. B. William de Wiveleslie Abney. port. (Photographic journal, London, Jan., 1921, new series, v. 45, p. 44-46.) **MFA**
Brief biography.
2195. Fanstone, Robert M. Autumn foliage by the screen-plate processes. (British journal of photography, London, Oct. 7, 1921, v. 68, Colour photography supplement, p. 37-38.) **MFA**
2196. — Clouds in autochromes. (British journal of photography, London, June 3, 1921, v. 68, Colour photography supplement, p. 24.) **MFA**
2197. — Colour rendering in the screen-plate process. (British journal of photography, London, May 6, 1921, v. 68, Colour photography supplement, p. 17-18.) **MFA**
Suggestions for overcoming defects.
2198. — Intensifying autochromes. (British journal of photography, London, Dec. 2, 1921, v. 68, Colour photography supplement, p. 45-46.) **MFA**
2199. — Pictorial photography in colours. (British journal of photography, London, July 1, 1921, v. 68, Colour photography supplement, p. 27-28.) **MFA**
Also printed in *Photo-era magazine*, Wolfboro, N. H., March, 1922, v. 48, p. 143-144, *MFA*.
2200. — Spotting and taking out defects from screen-plate colour transparencies. (British journal of photography, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 5-6.) **MFA**
Also printed in *Camera craft*, San Francisco, Aug., 1921, v. 28, p. 271-273, *MFA*.
2201. Fielitz, Otto. Beiträge zur Frage des farbenphotographischen Papierbildes. (Photographische Rundschau, Halle a. S., 1921, Bd. 58, p. 311-314, 329-331.) **MFA**
2202. Gamble, W. Penrose. A new three-colour camera. (British journal of photography, London, Dec. 2, 1921, v. 68, Colour photography supplement, p. 48.) **MFA**
Patent of A. Roland Trist. From *Penrose's Annual*, 1922.
2203. Gimpel, Léon. La projection en relief à la portée de tous par anaglyphes sur plaques autochromes. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 194-204.) **MFA**
2204. Hodgman, Charles D. Color filters for photographic uses. (Physical review, Lancaster, Penn., 1921, series 2, v. 17, p. 246-249.) **PAA**
Gives a long list of dye solutions.
2205. Huebl, Arthur, Freiherr von. Die Theorie und Praxis der Farbenphotographie mit Autochrom- und anderen Rasterfarbenplatten. Halle a. S.: W. Knapp, 1921. 74 p. illus. 5. ed. 8°. (Enzyklopädie der Photographie. Heft 60.) **MFV**
The Library also has 1st ed. (1908) and 2d ed. (1909).
2206. Ives, Frederic Eugene. Dyeing sensitive films for relief prints. (British journal of photography, London, Dec. 2, 1921, v. 68, Colour photography supplement, p. 48.) **MFA**
2207. — New bleach formulae for the Ives mordant dye-toning process. (British journal of photography, London, Jan. 7, 1921, v. 68, Colour photography supplement, p. 3.) **MFA**
2208. Ives's medico-chromograms. (British journal of photography, London, April 1, 1921, v. 68, Colour photography supplement, p. 16.) **MFA**
A two-colour *plus* process for use in hospitals.
Also printed in *Camera craft*, San Francisco, June, 1921, v. 28, p. 202, *MFA*.
2209. Jones, Chapman. Sir William de Wiveleslie Abney. (Photographic journal, London, July, 1921, new series, v. 45, p. 296-310.) **MFA**
With bibliography.
2210. Koenig, Ernst. Pinaflavol, ein neuer Sensibilisator für Grün. (Photographische Rundschau, Halle a. S., 1921, Bd. 58, p. 80-81.) **MFA**
Also printed in *British journal of photography*, London, April 1, 1921, v. 68, Colour photography supplement, p. 16, *MFA*, and *Camera craft*, San Francisco, June, 1921, v. 28, p. 203-204, *MFA*.
2211. — Die Verwendung des Pinaflavols in der Farbenphotographie. (Photographische Rundschau, Halle a. S., 1921, Bd. 58, p. 193-196.) **MFA**

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2212. Leventon, L. M. Improving autochromes. (British journal of photography, London, July 1, 1921, v. 68, Colour photography supplement, p. 28.) **MFA**

For weak negatives suggests hinding them up with a second color screen.

2213. Liabeuf, H. Appareil automatique de prise de vue par sélection trichrome 13 x 18. illus. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 167-168.) **MFA**

2214. Lighting and exposure in autochrome work. (British journal of photography, London, June 3, 1921, v. 68, Colour photography supplement, p. 22.) **MFA**

2215. The Loudine colour process. (British journal of photography, London, Oct. 7, 1921, v. 68, Colour photography supplement, p. 40.) **MFA**

2216. Louis Ducos du Hauron. (British journal of photography, London, Jan. 7, 1921, v. 68, Colour photography supplement, p. 4.) **MFA**

2217. Lumière, Auguste, and others. Desensitising autochromes before development. (British journal of photography, London, Aug. 5, 1921, v. 68, Colour photography supplement, p. 29-30.) **MFA**

Also printed in *Photo-era magazine*, Wolfeboro, N. H., Dec., 1921, v. 47, p. 297-300, **MFA**.

2218. — Experiments on desensitisers. (British journal of photography, London, 1921, v. 68, p. 351-354, 370-371.) **MFA**

Portion dealing with color-sensitive plates in *Camera craft*, San Francisco, Sept., 1921, v. 28, p. 307-309, **MFA**.

2219. — Panchromatic sensitising dyes. (British journal of photography, London, Feb. 11, 1921, v. 68, p. 77.) **MFA**

2220-21. Mees, Charles Edward Kenneth. Color photography. illus. (Photo-miniature, New York, July, 1921, v. 16, p. 97-131.) **MFA**

"Authoritative summary of progress made...with a clear explanation of the principles underlying the methods of today and tomorrow."

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2226. Power, H. D'Arcy. Inventors' rewards in colour photography. (British journal of photography, London, June 3, 1921, v. 68, Colour photography supplement, p. 24.) **MFA**

2227. The Prizma process. (British journal of photography, London, Aug. 5, 1921, v. 68, Colour photography supplement, p. 32.)

Brief reference to camera invented by W. Van Dorn Kelley.

2228. The Prizma process of colour cinematography. (British journal of photography, London, May 6, 1921, v. 68, Colour photography supplement, p. 18-19.) **MFA**

2229. Rendall, H. E. Remarks on raydex. (British journal of photography, London, June 3, 1921, v. 68, Colour photography supplement, p. 21-22.) **MFA**

2230. — Three-colour reflector cameras. illus. (British journal of photography, London, Nov. 4, 1921, v. 68, Colour photography supplement, p. 43-44.) **MFA**

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2233. — Pour corriger la dominante bleue des autochromes. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 22-24.) **MFA**

2234. Screen-plate pictures of the "old masters." (British journal of photography, London, Nov. 4, 1921, v. 68, Colour photography supplement, p. 44.) **MFA**

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2235. Screen-plate renderings of fashionable complexions. (British journal of photography, London, Oct. 7, 1921, v. 68, Colour photography supplement, p. 40.) **MFA**

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2236. Teamer, C. K., and E. E. MILLER. Three-colour lantern transparencies. illus. (British journal of photography, London, April 1, 1921, v. 68, Colour photography supplement, p. 13-15.) **MFA**

2237. Triadochrome colour process. (British journal of photography, London, May 6, 1921, v. 68, Colour photography supplement, p. 20.) **MFA**

Invention of J. F. Shepherd. No details given.

1921, continued.

2238. Two-colour studio portraits. (British journal of photography, London, Oct. 7, 1921, v. 68, Colour photography supplement, p. 39-40.) MFA

Process of J. Newlands Thomson.

2239. The Uva-chrom process of color photography. (Scientific American, New York, Sept. 24, 1921, v. 125, p. 225.) VA

2240. Wagner, R. Pinatype. (Photographische Rundschau, Halle a. S., 1920. Bd. 57, p. 330-334.) MFA

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2241. Wall, Edward John. Clerk Maxwell's theory and practice. (British journal of photography, London, Dec. 2, 1921, v. 68, Colour photography supplement, p. 47-48.) MFA

2242. — Colour sensitising by mineral salts. (British journal of photography, London, March 4, 1921, v. 68, p. 129-130.) MFA

2243. — A forgotten page in the history of colour photography. (British journal of photography, London, Jan. 7, 1921, v. 68, Colour photography supplement, p. 1-3.) MFA

A review of Levi L. Hill's work *A treatise on heliochromy*.

2244. — Relief processes for colour work. (British journal of photography, London, Aug. 5, 1921, v. 68, Colour photography supplement, p. 30-32, 34-36.) MFA

Three processes described in detail with bibliographical references.

2245. Wallon, Étienne. L'oeuvre de Louis Lumière. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 225-249.) MFA

p. 237-241: Photographie des couleurs.

2246. Walters, Francis Marion, and RAYMOND DAVIS. Studies in color sensitive photographic plates and methods of sensitizing by bathing. Washington: Gov. Prtg. Off., 1921. 1 p.l., 353-375 p. illus. 4°. (United States.—Bureau of Standards. Scientific papers. no. 422.) PAH (U. S.)

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General principles. Paget, Dufay, Raydex, and Autochrome processes. Abstract in *British journal of photography*, London, May 6, 1921, v. 68, Colour photography supplement, p. 20, MFA.

With discussion.

2248. Watteville, C. de. Gabriel Lippmann. (Société française de photographie. Bulletin, Paris, 1921, série 3, tome 8, p. 330-341.) MFA

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2249. A Whirlar for autochrome plates. illus. (British journal of photography,

London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 8.) MFA

Description and diagram of drying apparatus.

2250. Woods, L. Tennant. The Hillotype process of colour photography. (British journal of photography, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 7.) MFA

A review of criticisms.

2251. Wright, H. W. Canning. Exposing autochrome plates on interiors in winter. (British journal of photography, London, March 4, 1921, v. 68, Colour photography supplement, p. 12.) MFA

2252. Yerbury, S. G. Three-colour and direct heliochromy. (British journal of photography, London, Feb. 4, 1921, v. 68, Colour photography supplement, p. 7-8.) MFA

Refers to Hill process.

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2253. Adolf Miethe. port. (Zeitschrift für wissenschaftliche Photographie. Leipzig, 1922, Bd. 21, p. 193-196.) PLC

A brief biography with list of his principal works.

2254. Arch, John C. Three-colour repeating backs. illus. (British journal of photography, London, June 2, 1922, v. 69, Colour photography supplement, p. 21.) MFA

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2256. Carteron, J. Desensitising in the development of the autochrome plates. (British journal of photography, London, June 2, 1922, v. 69, Colour photography supplement, p. 23-24.) MFA

2257. Clerc, Louis Philippe. Colour photography. (British journal of photography, London, Jan. 13, 1922, v. 69, p. 16.) MFA

Development tests on autochromes by the Société française de photographie.

2258. — Colour photography. (British journal of photography, London, July 14, 1922, v. 69, p. 414-415.) MFA

Brief notes on the exhibition of the Salon du Gout Français; the new process of the Dufay Company; and endeavors to purchase the Uvachrome process.

2259. Colour cinematography with non-intermittent film. illus. (British journal of photography, London, Dec. 1, 1922, v. 69, Colour photography supplement, p. 46-48.) MFA

Specification of Édouard Belin.

2260. Colour prints by dye conversion of screen-plate negatives. (British journal of photography, London, Aug. 4, 1922, v. 69, Colour photography supplement, p. 29-30.) MFA

Obergassner's patent.

1922, continued.

2261. **Elmslie, E. K.** Developer for autochromes. (British journal of photography, London, July 7, 1922, v. 69, Colour photography supplement, p. 28.) **MFA**
2262. **Fanstone, Robert M.** Autochrome lantern slides. (British journal of photography, London, Sept. 1, 1922, v. 69, Colour photography supplement, p. 37.) **MFA**
2263. — Colour photography in small sizes. illus. (British journal of photography, London, Nov. 3, 1922, v. 69, Colour photography supplement, p. 43-44.) **MFA**
2264. — The display of screen-plate transparencies. (British journal of photography, London, June 2, 1922, v. 69, Colour photography supplement, p. 22.) **MFA**
2265. — Garden photography by the screen-plate process. (British journal of photography, London, July 7, 1922, v. 69, Colour photography supplement, p. 28.) **MFA**
2266. — Making Paget colour negatives in a small roll-film camera. illus. (British journal of photography, London, June 2, 1922, v. 69, Colour photography supplement, p. 24.) **MFA**
2267. — A plate-holder for the Paget colour process. illus. (British journal of photography, London, Feb. 3, 1922, v. 69, Colour photography supplement, p. 5-6.) **MFA**
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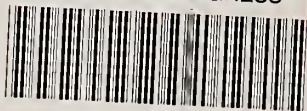
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