

number of aqueous solutions and binary mixtures, such as salol mixed with betol, confirmed the conclusion that a supersaturated solution passes at a definite temperature into a condition (the labile state) in which spontaneous crystallisation can be induced by mechanical means, whereas above this temperature (the metastable state) crystals only grow by inoculation of the solution with crystalline germs.

BOOKS RECEIVED.

Cultural Reality. By Dr. F. Znaniecki. Pp. xv+359. (Chicago: University of Chicago Press.) 2.50 dollars net.

Le Français Enseigné par la Méthode Intuitive et Directe. By Prof. P. Dessagnes. Pp. viii+304. (Paris: Masson et Cie.) 5 francs net.

A Manual of Machine Design. By F. Castle. Pp. ix+351. (London: Macmillan and Co., Ltd.) 7s. 6d.

The Principles Underlying Radio-Communication. (Radio Pamphlet No. 40, December 10, 1918, Signal Corps, U.S. Army.) Pp. 355. (Washington: Government Printing Office.)

Aquatic Microscopy for Beginners, or Common Objects from the Ponds and Ditches. By Dr. A. C. Stokes. Fourth edition. Pp. ix+324. (New York: J. Wiley and Sons, Inc.; London: Chapman and Hall, Ltd.) 10s. 6d. net.

Fats and Fatty Degeneration. By Prof. M. H. Fischer and Dr. M. O. Hooker. Pp. ix+155. (New York: J. Wiley and Sons, Inc.; London: Chapman and Hall, Ltd.) 9s. 6d. net.

Shore Processes and Shoreline Development. By Prof. D. W. Johnson. Pp. xvii+584. (New York: J. Wiley and Sons, Inc.; London: Chapman and Hall, Ltd.) 23s. net.

Macmillan's Geographical Exercise Books. Africa. With questions by B. C. Wallis. Pp. 48. (London: Macmillan and Co., Ltd.) 1s. 6d.

Songs from a Watch-Tower. By R. H. McCartney. Pp. 151. (Chicago and New York: Fleming H. Revell Co.)

Fresh Hope and Health for Hospital Patients and Invalids. By C. Muller. Second edition. Pp. 63. (London: G. Bell and Sons, Ltd.) 2s. net.

Biochemical Catalysts in Life and Industry. Proteolytic Enzymes. By Prof. J. Effront. Translated by Prof. S. C. Prescott, assisted by C. S. Venable. Pp. xi+752. (London: G. Bell and Sons, Ltd.) 23s. net.

Fresh-water Biology. By Prof. H. B. Ward and G. C. Whipple and others. Pp. ix+1111. (London: G. Bell and Sons, Ltd.) 28s. net.

British Museum (Natural History). Studies on Acari. No. 1. The Genus Demodex, Owen. By S. Hirst. Pp. 44+xiii plates. (London: British Museum (Natural History); Longmans and Co., and others.) 10s.

A Course in Machine Drawing and Sketching. By J. H. Dale. Pp. vi+186. (London and Edinburgh: W. and R. Chambers, Ltd.) 3s. 6d. net.

DIARY OF SOCIETIES.

THURSDAY, MAY 22.

ROYAL INSTITUTION, at 3.—Prof. F. Keeble: Intensive Cultivation.
ROYAL SOCIETY, at 4.30.—Prof. W. J. Sollas: The Structure of Lysorophus as Exposed by Serial Sections.—O. Rosenhein: A Preliminary Study of the Energy Expenditure and Food Requirements of Women Workers.—M. Greenwood, C. Hodson, and A. E. Tebb: Report on the Metabolism of Female Munition Workers.

INSTITUTION OF ELECTRICAL ENGINEERS, at 6.—Dr. S. Chapman: Electrical Phenomena occurring in High Atmospheric Levels.

FRIDAY, MAY 23.

PHYSICAL SOCIETY, at 5.—Lewis F. Richardson: A Form of Knudsen's Vacuum Manometer.—Gilbert D. West: Theories of Thermal Transpiration.—Prof. W. H. Eccles: Demonstration of a Tuning-fork sustained by Thermionic Tubes.

NO. 2586, VOL. 103]

SATURDAY, MAY 24.

LINNEAN SOCIETY, at 3.—Anniversary Meeting.

MONDAY, MAY 26.

ROYAL SOCIETY OF ARTS, at 4.30.—Capt. F. E. D. Acland: A New Prime Mover of High Efficiency and British Origin.

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—Capt. A. de C. Sowerby: Recent Journeys in Manchuria.

TUESDAY, MAY 27.

ROYAL INSTITUTION, at 3.—Prof. W. H. Bragg: Listening under Water.
ROYAL SOCIETY OF ARTS, at 4.30.—Lt.-Col. the Hon. Sir John McCall: Science and Industry in Australia.

ZOOLOGICAL SOCIETY, at 5.30.—J. T. Cunningham: Result of a Mendelian Experiment on Fowls, including the Production of a Pile Breed.—Miss Kathleen F. Lander: Some Points in the Anatomy of the Takin (*Budorcas taxicolor whitei*).—E. P. Allis: Certain Features of the Otic Region of the Chondrocranium of Lepidosteus, and Comparison with other Fishes and higher Vertebrates.

WEDNESDAY, MAY 28.

ROYAL SOCIETY OF ARTS, at 4.30.—H. J. Powell: Glass Making Before and During the War.

THURSDAY, MAY 29.

INSTITUTION OF ELECTRICAL ENGINEERS, at 2.30.—Annual General Meeting.

ROYAL INSTITUTION, at 3.—Sir Valentine Chirol: The Balkans.

ROYAL SOCIETY, at 4.30.—Croonian Lecture—Dr. H. H. Dale: The Biological Significance of Anaphylaxis.

ROYAL AERONAUTICAL SOCIETY, at 8.—Squadron-Commander G. M. Dyott: Flying in South America.

FRIDAY, MAY 30.

ROYAL INSTITUTION, at 5.30.—Sir John R. Bradford: A "Filter-passing Virus in Certain Diseases."

INSTITUTION OF MECHANICAL ENGINEERS, at 6.—Discussion resumed by Dr. W. Rosenhain on Paper by Dr. W. H. Hatfield: The Mechanical Properties of Steel, with some consideration of the Question of Brittleness.
ILLUMINATING ENGINEERING SOCIETY, at 8.—F. W. Wilcox: The Gas-filled Lamp and its Effect on Illuminating Engineering.

SATURDAY, MAY 31.

BRITISH PSYCHOLOGICAL SOCIETY, at 3.30.—F. E. Bartlett and Miss E. M. Smith: Listening to Sounds of Minimal Intensity.—E. Bullough: The Relations of Aesthetics to Psychology.

CONTENTS.

	PAGE
Applied Chemistry	221
A Geographical Bibliography of India	223
Research on Wounds of War. By Major L. J. Austin	223
Our Bookshelf	224
Letters to the Editor:—	
The Inheritance of Acquired Characters.—Prof. E. W. MacBride, F.R.S.	225
The Conditions attached to Government Grants for Scientific Research.—Prof. Frederick Soddy, F.R.S.	226
The Atlantic Flight	226
The Development of Agricultural Research and Education in Great Britain. By Dr. E. J. Russell, F.R.S.	227
The Financial Position of Cambridge University	229
The Government of India and Scientific Medicine. By J. W. W. S.	229
Notes	230
Our Astronomical Column:—	
Jupiter	234
Nova Aquilæ, 1918	234
"Annuaire de l'Observatoire Royal de Belgique"	234
Science and the Classics	234
Electric Furnaces. By Chas. R. Darling	235
British Optical Research. By A. E. C.	236
A New British Whale	237
University and Educational Intelligence	237
Societies and Academies	238
Books Received	240
Diary of Societies	240

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