

concern the regeneration of limb-bones after operation on newts, and the regeneration of feet and antennæ after operation on locusts, etc.—(165) L. Chen: Regeneration of long bones after removal of one-third from within the limbs of the newt *Triton cristatus*.—(166) L. Chen: Regeneration after implanting of sixths of the femur of the salamander *S. maculosa* in the upper thigh of the newt *T. cristatus*.—(167) J. Gebauer: Autoplastic replacement of long bones in the limbs of *T. cristatus*.—(168) H. Prziбрам: Antenna and leg regeneration in the locust *E. herculeana*.—(169): Antenna and leg regeneration in the walking leaf insect *Phyllium siccifolium*.—(170): Antenna and leg regeneration in the European locust *Bacillus rossii*.—(171): Antenna and leg regeneration in the locust *Diapheromera femorata*.—(172): Antenna and leg regeneration in the locust *Dixippus morosus*.—(173) H. Prziбрам and F. Friza: Antenna and leg regeneration. Comparative inquiry on the position and rôle of Johnston's organ.—(174) P. M. Suster: Leg regeneration after extirpation of the ganglion in *Sphodromantis bioculata*.—(175) P. M. Suster: Antenna regeneration after extirpation of ganglion in *Sphodromantis bioculata*.—P. Krüger and F. Furlinger: Histology and chemistry of tetanus and tonus substratum. It is suspected that the chemical metabolism of striated and smooth muscles may be different. Experiments have been made with frogs and analyses made of the phosphate and glucose contents of the different muscles.—F. Duspiva: The physiology of the melanophores of fish embryos.—E. Schally: The observation of streaks in chemical studies. (4) D-streaks and allied phenomena. When various liquids of like refractive indexes are mixed, transitory double-shaded streaks appear, depending in some cases on different velocities of diffusion.—F. Hölzl and W. Stockmair: The mobility of some iron-containing ions. Experiments on conductivity of nitro-prussides.—F. Palm: Geometrical research on graphical tables for the solution of complete cubic equations.—K. Strubecker: Cubic relations among non-Euclidean screws.—G. Stetter and R. Premm: Radium Institute Communication (279). Attempts to register α -ray spectra of very weak intensity.—(280) R. Premm: Mass spectrum of the positive rays of thorium C.—(281) F. Hecht: Criticism of age determination by the lead method.—(282) P. Krafft: Absorption spectra of the M-series for the elements bismuth, lead, thallium, and gold.—(283) M. Blau and E. Kara-Michailova: The penetrating radiation of polonium.—(284) M. Blau: The fading of the latent image on exposure to α -particles.—H. Burchardt: Regulation of the secretory activity of the seminal vesicle. Experiments on guinea-pigs and rats. The epithelial cells of the mucous membrane vary in height and width. Under pressure of undischarged semen they return to the resting stage.

Official Publications Received.

BRITISH.

Cambridge Observatory. Annual Report of the Observatory Syndicate, 1930 May 19–1931 May 18. Pp. 3. (Cambridge.)
 Live and Let Live: a Plea for the Preservation of Wild Life. Pp. 10. (Agra: Association for the Preservation of Game in the U.P.)
 The University of Leeds. Report on the Department of Mining, Sessions 1928–30. Pp. 14. (Leeds.)
 Uganda Protectorate. Annual Report of the Geological Survey Department for the Year ended 31st December 1930. Pp. 44. (Entebbe: Government Printer.)

FOREIGN.

Proceedings of the American Philosophical Society. Vol. 70, No. 2. Pp. 103–213. (Philadelphia.)
 U.S. Department of Commerce: Bureau of Standards. Bureau of Standards Journal of Research. Vol. 7, No. 1, R.P. Nos. 329–338. Pp. 213. (Washington, D.C.: Government Printing Office.)
 Journal of the Federated Malay States Museums. Vol. 16, Parts 3 and 4, July. Pp. 175–506. (Kuala Lumpur.)

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Malayan Forest Records. No. 9: Growth of Malayan Forest Trees, as shown by Sample Plot Records, 1915–1928. By J. P. Edwards. Pp. ii+151. (Kuala Lumpur: Director of Forestry.) 2 dollars; 4s. 6d.
 Collection des travaux chimiques de Tchécoslovaquie. Rédigée et publiée par E. Votoček et J. Heyrovský. Année 3, No. 7, Juillet. Pp. 333–378. (Prague: Regia Societas Scientiarum Bohemica.)

Diary of Societies.

FRIDAY, SEPTEMBER 11.

INSTITUTE OF MARINE ENGINEERS. (As NATURE, Sept. 5.)

TUESDAY, SEPTEMBER 15.

LONDON NATURAL HISTORY SOCIETY (at London School of Hygiene and Tropical Medicine), at 6.30.—J. E. S. Dallas: Peasant Life in Alpine Districts.

WEDNESDAY, SEPTEMBER 16.

ROYAL AERONAUTICAL SOCIETY (at Science Museum, South Kensington), at 9.15 P.M.—Glenn Martin: The Development of Aircraft Manufacture (Wilbur Wright Memorial Lecture).

FRIDAY, SEPTEMBER 18.

FARADAY SOCIETY (at Chemical Society), at 5.30.—Prof. W. J. Müller: The Passivity of Metals.

CONGRESSES.

SEPTEMBER 1 TO 19.

INTERNATIONAL ILLUMINATION CONGRESS. (For Programme see NATURE, Aug. 29.)

SEPTEMBER 6 TO 12.

INTERNATIONAL CONGRESS FOR TESTING MATERIALS. (For Programme see NATURE, Sept. 5.)

SEPTEMBER 9 TO 12.

INTERNATIONAL PROFESSIONAL ASSOCIATION OF MEDICAL PRACTITIONERS (at Budapest).

SEPTEMBER 13 TO 18.

INSTITUTE OF METALS. (For Programme see NATURE, Sept. 5.)

SEPTEMBER 13 TO 19.

INTERNATIONAL MEDICAL EDUCATIONAL CONGRESS (with special reference to Balneology) (at Karlsbad).

SEPTEMBER 16 TO 24.

INTERNATIONAL GEOGRAPHICAL UNION (at Paris).

SEPTEMBER 18 TO 20.

NATIONAL SMOKE ABATEMENT SOCIETY.

Saturday, Sept. 19, at 11 A.M.—R. Blackmore: The Progress of the Electrical Grid.

At 12 noon.—R. E. Gibson: Some Notes on the Production and Use of the New Smokeless Fuel 'Dryco' in Liverpool.

Sunday, Sept. 20, at 11 A.M.—Regional and Statutory Smoke Abatement Committees.

Councillor W. Asbury: The Sheffield, Rotherham and District Smoke Abatement Committee.

Dr. J. Johnston Jervis: The West Riding of Yorkshire Regional Smoke Abatement Committee.

Dr. J. Bennett: The Manchester and District Regional Smoke Abatement Committee.

The Greater London Joint Smoke Abatement Committee.

The Midlands Joint Advisory Council for Smoke Abatement.

SEPTEMBER 18 TO 21.

ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX (at Lady Margaret Hall, Oxford).

Friday, Sept. 18.—H. T. Tizard: Presidential Address.

Prof. A. M. Carr-Saunders: Some Problems of Professionalism.

Saturday, Sept. 19.—E. N. Simons: How the Manufacturer can Help the Librarian.

B. M. Headicar: Practical Methods of Arrangement, Indexing and Routine in the Business Library and Information Bureau.

Col. Sir Frederic Nathan: International Abstracting and Indexing.

Dr. Albert Predeck: An Ever-Ready Printed Catalogue.

Annual General Meeting.

F. A. Hoare: Films as a Medium of Information in Education, Science and Industry.

Sunday Sept. 20.—Sir Francis Goodenough: The Report of the Board of Education Committee on Education for Salesmanship.

C. A. Macarthy: The Publications of the I.L.O. and the League of Nations.

Miss Margaret E. Cleeve: The Library and Information Department of the Royal Institute of International Affairs.

J. P. Maxton: The Sources of Information in Agricultural Economics.

G. A. A. de Voogd: Documentation in Business Organisation.

Dr. E. Shenkman: The Russian Five-Year Plan in its special relation to British Industry and Commerce.

SEPTEMBER 23 TO 26.

INTERNATIONAL CLIMATOLOGICAL COMMISSION (at Innsbruck).