

Forthcoming Events

[Meetings marked with an asterisk are open to the public.]

Monday, May 24

ROYAL SOCIETY OF ARTS, at 5.15.—Sir Gwilym Gibbon: "The Public Social Services".

UNIVERSITY COLLEGE, LONDON, at 5.30.—Dr. D. McKie: "Development of Theories regarding Combustion and Respiration in the 18th Century".*

IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY, at 5.30.—Prof. I. M. Heilbron, F.R.S.: "The Chemistry of the Carotenoids and Vitamin A" (succeeding lectures on May 25 and 26).*

ROYAL GEOGRAPHICAL SOCIETY, at 8.30.—L. Wager: "The Kangerdlugssuak Region of East Greenland".

Tuesday, May 25

EUGENICS SOCIETY, at 5.15—(at the Royal Society, Burlington House, Piccadilly, W.1).—Dr. R. R. Kuczynski: "Future Trends in Population".*

UNIVERSITY COLLEGE, LONDON, at 5.30.—Dr. F. G. Young: "The Development of certain Aspects of Metabolism during the 19th Century".*

Wednesday, May 26

WARBURG INSTITUTE, at 5.30.—Dr. R. Klibansky: "Religion and Science in the Twelfth Century".*

BIRKBECK COLLEGE, LONDON, at 6.—Sir Arthur Eddington, F.R.S.: "The Reign of Relativity 1915–1937" (Haldane Memorial Lecture).*

ROYAL SOCIETY OF ARTS, at 8.15.—Prof. H. D. Kay: "The Biochemistry of Milk Secretion".

Thursday, May 27

ROYAL ASIATIC SOCIETY, at 4.30.—Sir Arnold Wilson: Burton Memorial Lecture.

UNIVERSITY OF OXFORD, at 5 (in the Examination Schools).—Dr. Joseph Needham: "Integrative Levels, a Re-valuation of the Idea of Progress" (Herbert Spencer Lecture).

ROYAL AERONAUTICAL SOCIETY, at 6.30.—Dr. Theodor von Kármán: "Turbulence" (Wilbur Wright Lecture).

Friday, May 28

UNIVERSITY OF OXFORD, at 5—(in the University Museum).—Dr. B. F. J. Schonland: "The Lightning Discharge" (Halley Lecture).

Appointments Vacant

APPLICATIONS are invited for the following appointments, on or before the dates mentioned:

ASSISTANT in H.M. Nautical Almanac Office—The Secretary of the Admiralty (C.E. Branch), Whitehall, S.W.1 (quote C.E. 3157/37) (May 29).

PRINCIPAL of the Cardiff Technical College—The Director of Education, City Hall, Cardiff (May 29).

PRINCIPAL of the Croydon Polytechnic and Evening Institutes—The Education Officer, Education Office, Katharine Street, Croydon (May 29).

LECTURER in BOTANY, UNIVERSITY DEMONSTRATOR in BOTANY and UNIVERSITY DEMONSTRATOR in PLANT PHYSIOLOGY in the University of Cambridge—Dr. A. D. Imms, Department of Zoology, Downing Street, Cambridge (May 31).

LECTURER in MECHANICAL ENGINEERING in the Technical Institute, Gainsborough, Lincs.—The Principal (May 31).

ASSISTANT LECTURER in MATHEMATICS in King's College, London—The Secretary (June 1).

ASSISTANT LECTURER in PHYSICS in the University of Manchester—The Registrar (June 12).

LECTURER in BOTANY in the University of Reading—The Registrar.

Official Publications Received

Great Britain and Ireland

Air Ministry: Aeronautical Research Committee: Reports and Memoranda. No. 1710 (2342): Tests on Two Streamline Bodies in the Compressed Air Tunnel. By Dr. R. Jones, D. H. Williams and A. F. Brown. Pp. 6. 1s. net. No. 1715: A New Form of Biplane. By H. B. Irving and A. S. Batson. Pp. 44+4 plates. 7s. net. No. 1720 (2218): Preliminary Calibration of the 24-foot Wind Tunnel, R.A.E., with a Short Description of the Tunnel. By W. G. Jennings, A. Terry and P. J. Pearsall. Pp. 9+4 plates. 2s. 6d. net. No. 1721 (1247): The Pressure Distribution and Forces on Thin Aerofoil Sections having Sharp Leading and Trailing Edges, and moving with Speeds greater than that of Sound. By Dr. S. G. Hooker. Pp. 18. 2s. 6d. net. No. 1723 (1375b): The Influence of Differential Aileron Control on Wing Flutter. By R. A. Frazer. Pp. 20. 3s. net. No. 1724 (1944): Full Scale and Model Resistances of a Southampton II Hull. By E. T. Jones, L. Johnston and J. Hanson. Pp. 26+1 plate. 4s. net. No. 1725 (2323): Turbulence Measurements in Flight. By J. E. Serby and M. B. Morgan. Pp. 7+1 plate. 1s. 6d. net. No. 1726 (2302): An Analytical Comparison of Model and Full Scale Spinning Experiments on a Bristol Fighter. By R. P. Alston and J. Cohen. Pp. 14. 2s. net. No. 1727 (2337): The Effect of Blade Twist on the Characteristics of the C. 30 Autogiro. By J. A. Beaven and C. N. H. Lock. Pp. 28. 4s. net. No. 1728 (2397): Note on Wind Tunnel Tests on a Parasol Monoplane with Zap and Split Flaps. By J. H. Hartley and W. H. Curtis. Pp. 14. 2s. net. No. 1729 (2062): Wind Tunnel Tests of High Pitch Airscrews. Part 2: Variations of Blade Width and Blade Section. By C. N. H. Lock and H. Bateman. Pp. 40. 5s. 6d. net. No. 1730 (2122): The Flight of a Helicopter. By H. B. Squire. Pp. 24. 3s. 6d. net. No. 1732 (1809): Note on Effects of Landing Flaps on Stability and Control. By S. B. Gates. Pp. 6. 1s. net. No. 1733 (2610): A New Form of Dash Pot with a Large Range of Damping. By Dr. A. S. Halliday. Pp. 2+1 plate. 9d. net. No. 1737 (2338): Abstract—Notes on the Optimum Stiffness of Thin Shells. By Dr. H. Roxbee Cox. Pp. 2. 6d. net. No. 1738 (2041): Abstract—Boundary Layer Growth. By Dr. S. Goldstein and Dr. L. Rosenhead. Pp. 2. 6d. net. No. 1739 (2139): Abstract—Note on the Velocity Distribution in the Wake behind a Flat Plate placed along the Stream. By Dr. L. Rosenhead and J. H. Simpson. Pp. 2. 6d. net. No. 1743 (2418): Rolling Experiments on a "Puss Moth" Model. By A. S. Batson, J. H. Warsap and H. J. Gummer. Pp. 5. 1s. net. No. 1745 (2165): Abstract—On the Static Pressure in Fully-developed Turbulent Flow. By A. Fage. Pp. 4. 9d. net. No. 1747 (2104): Further Measurements of Ground Interference on the Lift of a Southampton Flying Boat. By J. L. Hutchinson. Pp. 6. 1s. net. No. 1750: Reports and Memoranda published between 1st April 1935 and 30th November 1936. Pp. 8. 1s. 3d. net. (London: H.M. Stationery Office.) [264]

Other Countries

University of Illinois: Engineering Experiment Station. Bulletin No. 288: An Investigation of Relative Stresses in Solid Spur Gears by the Photoelastic Method. By Paul H. Black. Pp. 32. 40 cents. Bulletin No. 289: The Use of an Elbow in a Pipe Line for determining the Rate of Flow in the Pipe. By Wallace M. Lansford. Pp. 36. 40 cents. Bulletin No. 290: Investigation of Summer Cooling in the Warm-Air Heating Research Residence. By Prof. Alonzo P. Kratz, Prof. Maurice K. Fahnestock and Seichi Konzo. Pp. 140. 1 dollar. Bulletin No. 291: Flexural Vibrations of Piezoelectric Quartz Bars and Plates. By Prof. J. Tykocinski Tykociner and Marion W. Woodruff. Pp. 36. 40 cents. (Urbana, Ill.: University of Illinois.) [264]

Field Museum of Natural History. Anthropology, Memoirs, Vol. 2, No. 3: Archeological Explorations in Peru. Part 3: Textiles of the Early Nazca Period. By Prof. Lila M. O'Neale. (Second Marshall Field Archeological Expedition to Peru.) Pp. 117–218+plates 32–68. 3.50 dollars. Anthropology, Memoirs, Vol. 2, No. 4: Archeological Explorations in Peru. Part 4: Canete Valley. By Prof. A. L. Kroeber. (First Marshall Field Archeological Expedition to Peru.) Pp. 219–274+plates 69–90. 1.50 dollars. Anthropology Series, Vol. 25, No. 1: Skeletal Material from San José Ruin, British Honduras. By Wilfrid D. Hambly. (Field Museum—Carnegie Institution Expeditions to British Honduras.) (Publication 380.) Pp. 20. 30 cents. (Chicago: Field Museum of Natural History.) [294]

Denkschriften der Schweizerischen Naturforschenden Gesellschaft. Band 72, Abh. 1: Geologische Probleme um die Gebirge zwischen Engadin und Ortler. Von Rudolf Staub. Pp. iv+115+3 plates. (Zürich: Gebrüder Fretz A.-G.) [294]

Division of Fish and Game of California: Bureau of Commercial Fisheries. Fish Bulletin No. 47: Interseasonal and Intra-seasonal Changes in Size of the California Sardine (*Sardinops caerulea*). By Frances N. Clark. Pp. 28. Fish Bulletin No. 48: Fishing Localities for the California Sardine, *Sardinops caerulea*, 1928–1936. By Frances N. Clark. Pp. 11. (Terminal Island, Calif.: California State Fisheries Laboratory.) [294]

U.S. Department of the Interior: Geological Survey. Bulletin 860-C: Geology and Fuel Resources of the Southern Part of the San Juan Basin, New Mexico. Part 3: The La Ventana—Chacra Mesa Coal Field. By Carle H. Dane. Pp. v+81–166+plates 39–55. 40 cents. Bulletin 880-B: Recent Mineral Developments in the Copper River Region, Alaska. By Fred H. Moffit. (Mineral Resources of Alaska, 1935.) Pp. ii+97–109. 5 cents. Professional Paper 186-H: Inferences about the Origin of Oil as indicated by the Composition of the Organic Constituents of Sediments. By Parker D. Trask. (Shorter Contributions to General Geology, 1936.) Pp. ii+147–157. 10 cents. Water-Supply Paper 789: Surface Water Supply of the United States, 1935. Part 9: Colorado River Basin. Pp. 174. 25 cents. (Washington, D.C.: Government Printing Office.) [294]

Bulletin of the American Museum of Natural History. Vol. 69: Horned Ruminants of North America. By Childs Frick. Pp. xxviii+669. (New York: American Museum of Natural History.) [294]