study: Prof. **Klaatsch.** The aborigines of the northern half of the continent are more numerous than is generally supposed, and their number may be estimated as between 100,000 and 150,000. An appeal was made by the lecturer, on behalf of the northern blacks, for greater consideration in the way of a more adequate provision of reserves, and for more effective protection than the southern blacks have received in the past. Apart altogether from humanitarian questions, the demand for their more enlightened treatment is justifiable on scientific grounds alone.—Contribution to a knowledge of the flora of Australia, part v.: R. T. **Baker.** Two additions to the flora are described—*Acacia fuliginea*, an ally of *A. ixiophylla*, Benth., *A. viscidula*, A. Cunn., and *A. dictyophleba*, F.v.M. (section Plurinerves), from the Rylstone district, New South Wales; and *Callitris Morrisoni*, an unrecorded pine from West Australia, with fruits not unlike those of *C. Drummondii*; and branchlets which would pass muster for those of *C. robusta*, R.Br. An analysis of the oil of *Eucalyptus Rudderi*, Baker and Smith, is given, together with other economic notes on this species. New localities or an extended range for a number of species are recorded.—New Australian species of the family Æschnidæ (Neuroptera: Odonata): R. J. **Tillyard.** The species herein added to the Australian list form about as miscellaneous and remarkable a set of insects as it would be possible to find, and serve to show the composite character of the Australian Odonate fauna. They comprise an East Indian species, a Chilian species (*Petalia apollo*, Selys [♀], of the subfamily Cordulegasterinæ, determined by Dr. Ris, of Belgium), and three species described as new, of which one is referable to an Indian genus, and two are probably the types of new genera.—Notes from the Botanic Gardens, Sydney, No. 12: J. H. **Maiden** and E. **Betche.** The following species are described as new:—*Boronia Deanei*, in swamps between Clarence and the Wolgan, Blue Mountains, a handsome species nearest to *B. parviflora*, Sm.; *B. repanda*, formerly recorded as *B. ledifolia*, J. Gay, var. *repanda*, F.v.M.; *Toechima dasyrrhache*, a sapindaceous plant from Tintenbar, published on behalf of Prof. Radlkofer, and at his request; *Acacia accola*, from the borders of New South Wales and Queensland, nearest allied to *A. neriifolia*, A. Cunn.; and *Rottboellia truncata*, an aberrant species from Yandama, north-west New South Wales. New varieties are also described, and new records for New South Wales.—Revision of Australian Lepidoptera, iii.: Dr. A. J. **Turner.** This instalment comprises supplementary notes on families previously treated of, namely, the Syntomidæ, the Notodontidæ, and the Geometridæ. Three genera and thirty-one species are described as new.

DIARY OF SOCIETIES.

THURSDAY, JANUARY 24.

ROYAL SOCIETY, at 4.30.—Experiments on the Dark Space in Vacuum Tubes: Sir William Crookes, F.R.S.—On a New Iron Carbonyl, and on the Action of Light and of Heat on the Iron Carbonyls: Sir James Dewar, F.R.S., and Dr. H. O. Jones.—On Regeneration of Bone, Part ii., Sir William Macewen, F.R.S.—Note on the Application of Van der Waals's Equation to Solutions: The Earl of Berkeley.—On the Presence of Europium in Stars: Joseph Lunt.

ROYAL INSTITUTION, at 3.—Recent Advances in the Exploration of the Atmosphere: Dr. W. N. Shaw, F.R.S.

SOCIETY OF ARTS, at 4.30.—The Bhils of Western India: Captain E. Barnes.

INSTITUTION OF ELECTRICAL ENGINEERS at 8.—Investigations on Light Standards and the Present Condition of the High Voltage Glow Lamp: C. C. Paterson.

FRIDAY, JANUARY 25.

PHYSICAL SOCIETY, at 5.—The Strength and Behaviour of Brittle Materials under Combined Stress: W. A. Scoble.—A Spectrophotometer: F. Twyman.—Photographs of Electric Sparks: K. J. Tarrant.

INSTITUTION OF CIVIL ENGINEERS, at 8.—Alternating-Current Commutator Motors: C. A. Ablett.

SATURDAY, JANUARY 26.

THE ESSEX FIELD CLUB (at Essex Museum of Natural History, Stratford) at 6.30.—Occurrence of the Sea Bream (*Pagellus centrodontus*) in Essex Waters: Dr. James Murie.—The Evolutionary History of Carts and Waggons: Thomas W. Reader.

MONDAY, JANUARY 28.

ROYAL GEOGRAPHICAL SOCIETY at, 8.30.—A Journey through Central Asia to Northern China: Major C. D. Bruce.

SOCIETY OF ARTS, at 8.—Gold Mining and Gold Production: Prof. J. W. Gregory, F.R.S.

LONDON INSTITUTION, at 5.—The Transmutation of Elements: Sir William Ramsay, K.C.B., F.R.S.

INSTITUTE OF ACTUARIES, at 5.—Further Notes on some Legal Aspects of Life Assurance Practice; A. R. Barraud.

TUESDAY, JANUARY 29

ROYAL INSTITUTION, at 3.—Survivals from the Past in the Plant World Prof. A. C. Seward, F.R.S.

MINERALOGICAL SOCIETY, at 8.—Experiments bearing on the Order of Crystallisation of Rock-constituents: Prof. H. A. Miers, F.R.S.—Isomorphism as illustrated by Certain Varieties of Magnetite: Prof. B. J. Harrington.—Serpentine-rock from the Tarnthaler Köpfe, Tyrol: Dr. A. P. Young.—A Simple Tabular Arrangement of the Thirty-two Crystallographic Classes: Dr. J. W. Evans.

FARADAY SOCIETY, at 8.—*Discussion on Osmotic Pressure.*—Apparatus for the Direct Measurement of Osmotic Pressure: Earl of Berkeley.—Indirect Methods of Measuring Osmotic Pressure: W. C. Dampier Whetham, F.R.S.—Osmotic Pressure from the Standpoint of the Kinetic Theory: Dr. T. Martin Lowry.

WEDNESDAY, JANUARY 30.

SOCIETY OF ARTS, at 8.—Apprenticeship: J. Parsons.

SOCIOLOGICAL SOCIETY, at 8.—Swiss Referendum as Instrument of Democracy: J. A. Hobson.

THURSDAY, JANUARY 31.

ROYAL SOCIETY, at 4.30.—*Probable Papers:* On the Two Spectra of the Elements as Evidence of the Composite Nature of the Atoms: Prof. W. N. Hartley, F.R.S.—On the Explosion of Pure Electrolytic Gas: Prof. H. B. Dixon, F.R.S., and L. Bradshaw.—On the Firing of Electrolytic Gas by a Compression Wave: L. Bradshaw.—A Recording Calorimeter for Explosions: Prof. B. Hopkinson.—On the Discharge of Negative Electricity from Hot Calcium: Dr. F. Horton.

ROYAL INSTITUTION, at 3.—Standards of Weights and Measures: Major Percy A. Macmahon, F.R.S.

FRIDAY, FEBRUARY 1.

ROYAL INSTITUTION, at 9.—The Methods of Combating the Bacteria of Disease in the Interior of the Organism: Sir Almroth E. Wright, F.R.S.

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