

## MONDAY, NOVEMBER 16, 1896.

The last monthly evening meeting of the session of the Royal Society of Tasmania was held on Monday evening, when Mr. James Barnard presided, and there was a large attendance. Apologies were read from His Excellency the Governor and Sir James Agnew.

### A BATCH OF MEDICOS.

The following medical gentlemen were balloted for and elected members of the Society:—E. J. S. Spark, M.B.; J. E. Wolfhagen, M.B., C.M.; S. C. Jamieson, M.B.; H. G. H. Naylor, L.R.C.S.; R. G. Scott, M.B., C.M.; and R. Wilmot, M.R.C.S., E.

### A MEDICAL SECTION.

The SECRETARY (Mr. Alex. Morton) announced that a medical section of the Royal Society had been formed, and Dr. Bright, the first president of the section, would have some remarks to offer upon the subject.

Dr. BRIGHT, on behalf of the medical section just formed, moved a vote of thanks to the Society for the kind and generous manner in which the Society had treated them, giving them every encouragement. The use of the Society's rooms had been promised them for meetings, and like a kind parent, had voted them pocket money as well in the shape of £12 with which to purchase certain standard medical works. The section had started under very favourable auspices with 18 members, some of whom had been elected that evening, and there would be others to follow.

Dr. SPROTT seconded the motion, mentioning that they were also deeply indebted to Mr. Morton, the secretary, for the assistance he was also giving the new medical section. He felt certain that the new section would prove a material advantage, both to the medical men of Hobart and the public.

The CHAIRMAN, on behalf of the members of the Royal Society generally, reciprocated the sentiments expressed in suitable terms.

The SECRETARY mentioned that whilst Dr. Bright had been chosen the first acting-president of the new section, Sir James Agnew was the first honorary president.

### VISITORS.

The CHAIRMAN welcomed Mr. Percy Douglas and Mr. W. H. Trewenack, two Sydney gentlemen.

### ATMOSPHERIC DISTURBANCES.

Mr. KINGSMILL read a paper on atmospheric disturbances and weather forecasting during the year 1895, carrying forward the information which Mr. Wragge imparted some time ago in a lecture before the Society. He analysed the forecasts sent by Mr. Wragge, showing how successfully they had worked out. He illustrated his remarks by means of maps thrown on the screen by the aid of Mr. Russell Young's lantern. He also read Admiral Fitzroy's commendation of the forecasts, and showed the necessity of these observations in Tasmania.

### TERTIARY LEAF BEDS.

Mr. R. M. JOHNSTON gave an interesting account of the discovery of tertiary leaf beds with tin drift in Thureau's deep lead, St. Helen's. Through the kindness of Mr. A. J. Brown, of St. Helen's, Mr. Johnston

stated that he had been put in possession of a very interesting collection of specimens, all of which are replete with more or less perfect impressions of leaves, twigs, etc. The prevailing forms, though fragmentary, are very clearly impressed, and having made a careful examination of their specific character he was now satisfied that two of the forms could be referred to as species already described in similar deposits in New South Wales and Tasmania now assigned to the eocene tertiary age. He then minutely described them with illustrations thrown on the screen, making the subject very interesting.

#### MOUNT LYELL DISTRICT.

The greatest treat of the evening followed, when Mr. J. W. Beattie, who has just returned from a photographic tour to the West Coast, exhibited a large number of lantern slides illustrating the whole district of Mount Lyell, Penghana, Queenstown, and the magnificent scenery of the King River and Gorge, eliciting frequent applause. The grandeur of the scenery, alternately partaking of Alpine heights and Californian gorges, excited great interest in the audience. In addition to following up the Mount Lyell railway to the company's works, showing the many steep gradients, and the trains climbing the hills on the Abt system, Mr. Beattie presented views of the works themselves, the quarries, and mines. He also seemed to have obtained a very good notion of the various processes which the ore goes through from the mine to the converter; and what with these explanations and various photographic pictures of the interior of the works, he was able to impart much very instructive information.

Mr. R. M. JOHNSTON remarked that Mr. Beattie had done another piece of good service for Taamania by the production of such magnificent photographs. The speaker then had thrown on the screen some statistical tables showing how the mining interest was advancing in the colony. For the year 1895-6 the output of mineral wealth was £745,996.

#### VOTES OF THANKS.

The meeting then terminated with the usual votes of thanks, the CHAIRMAN remarking that much of the success of the session now closing had been due to the zeal and energy of their indefatigable secretary—Mr. Morton. In moving a vote of thanks to the Chairman, the Hon. Abye Douglas, M.L.C., referred in complimentary terms to the good service Mr. James Barnard had rendered the Society since his election as far back as 1841.

List of additions to the Library of the Royal Society of Tasmania :

BOUND VOLUMES.

Annual Report of the American Historical Association, 1894, containing report of proceedings of 10th annual meeting in Washington, D.C., December 26, 1893, by H. B. Adams, secretary. The Tendency of History, by Henry Adams, president of the Association. Rise of Imperial Federalism (abstract), by Professor G. P. Adams. The Historical work of Professor H. Tuttle. Turning Points in the Civil War, by Dr. R. Johnson. Tributes to Hamilton Fish, Hons. J. Hay, R. G. Winthrop, and others, by General James Grant Wilson. The Tejas: Their habits, government, and superstitions, by Mrs. L. C. Harby. Why Coronado went to New Mexico in 1540, by P. G. Winship. The Casade Contratacion of Seville, by Professor B. Moses. Some European Modification of the Jury System, by D. W. B. Scaife. The Regulators of North Carolina (1765-1771), by Professor J. S. Bassett. A Chapter in the Life of Charles Robinson, the First Governor of Kansas, by Professor F. W. Blackman. The Continental Congress, by Dr. H. Friedenwald. The Labour Movement in English Politics, by E. Porritt. The Organisation of the First Committee of Public Safety, by Professor H. E. Bowne. The Quebec Act and the American Revolution, by V. Coffin. The Historical Archives of the States Department, by A. H. Allen. Appeals from Colonial Courts to the King-in-Council, with special reference to Rhode Island, by H. H. Hazeltine. Rhode Island, and the Impost of 1781, by T. G. Bates. The Constitutional Controversy in Rhode Island in 1841, by A. M. Mowry. Party Struggles over the Pennsylvania Constitution, by S. B. Hardiug. Evolution of Township Government in Ohio, by J. A. Wilgus. The Western Posts and the British Debts, by Professor A. C. McLaughlin. Existing Autographs of Christopher Columbus, by W. E. Curtis. Mountains and History, by Professor E. K. Alden. Causes and Consequences of the Party Revolution of 1800, by Professor J. H. Robinson. What the United States Government has done for History? by A. Howard Clark. Bibliography of the Colonial History of South Carolina, by E. L. Whitney, Washington, 1895. From the Society.

Bureau of Ethnology, thirteenth annual report of the Smithsonian Institution, 1891-2. By J. W. Powell, director, Washington, 1896. From the Department.

Catalogue of books in the Pedagogical Section of the University Library (revised edition). Addresses at the Inauguration of Martin Kellogg, LL.D., as President of the University of California. Berkeley, March 23, 1893. From the Department.

Determinacao das Posicoes Geographicas de Kodeio, Entre-rios Juiz de Fora, Joao Gomeze Barbacena. Le Climat de Rio de Janeiro. By L. Cruls, Director de Observatorio de Rio de Janeiro. From the Department.

Guide to the Literature of Æsthetics. By Charles Mills Gayley, Professor of the English Language and Literature in the University of California, and F. Newton Scott. Ph.D., Assistant Professor of English in the University of Michigan. Berkeley, 1890. From the Department.

Missouri Geological Survey, Vol. IV., V. Palæontology of Missouri. Parts 1 and 2. By C. R. Keyes, A.M., Ph.D., State Geologist. Vols. VI., VII. Lead and Zinc Deposits. Sections I. and II. By A. Winslow, assisted by J. D. Robertson. From the Department.

Observatoire de Rio de Janeiro Methode Graphique, pour la determination des heures approchees des eclipses du soleil et des occultations par. L. Cruls, Director de l'Observatoire, Rio de Janeiro, 1894. From the Department.

Proceedings of the Royal Colonial Institute, Vol. XXVII., 1895-96, London, 1896. From the Institute.

Rainfall in India, third year, 1894, Calcutta, 1895. From the Meteorological Department.

Report on the Scientific Results of the Voyage of H.M.S. Challenger during the years 1873-6, Vols. 1 to 50, London, 1885. From the British Government.

Smithsonian Report of the U.S. National Museum under the direction of the Smithsonian Institute for the year ending June 30, 1893. Washington, 1895. Proceedings of the United States National Museum, Vol. XVII., 1894. From the Smithsonian Institution.

Transactions of the Institution of Engineers and Shipbuilders in Scotland. Vol. XXXVIII., 1894-95. Glasgow, 1895. From the Institution.

United States Geological Survey, J.W. Powell, Director. Mollusca and Crustacea of the Miocene Formations of New Jersey, by R. Parr Whitfield. Geology of the Green Mountains in Massachusetts, by R. Pumpelly, J. E. Wolff, and T. Nelson Dale. Fourteenth Annual Report, 1892-93. Part



I., Report of Director. Part II., Accompanying Papers. From the Department.

U.S. Department of Agriculture Weather Bureau. Report of the Weather Bureau, 1893-94. From the Department.

University of California. Biennial Report of the President of the University on behalf of the Board of Regents to His Excellency the Governor of the State, 1894. Sacramento, 1895. From the Department.

#### PAMPHLETS.

Account of the Smithsonian Institution : its origin, history, objects, and achievements. From the Smithsonian Institution.

Addresses at the Inauguration of W. T. Reid as President of the University of California, and the dedication of the Bacon Art and Library Building, Berkeley, August 23, 1891. Sacramento, 1891. From the Department.

Addresses at the inauguration of Horace Davis as President of the University of California. Berkeley, March 23, 1888. Sacramento. From the Department.

Agricultural Experiment Station, University of California. 1. The Canaigre or Tanners' dock. 2. Australian Salt-bush of Alkali soils. Berkeley, California, 1894. From the Department.

Amblychila, the species of. By J. J. Rivers. From the Society.

Annals and Magazines of Natural History (current numbers). From the Society.

Anales de la Oficina Meteorologica Argentina por su Director G. G. Davis. Tomo X. Buenos Aires, 1896. From the Department.

Analele Institutului Meteorologic Romaniei. By Stefan C. Hepites. Tomul IX. Anul, 1893. From the Department.

Authentic Letters of Columbus. By W. E. Curtis, Hon. Curator Department of Columbus Memorial Chicago. May, 1895. Vol. 1, No. 2. From the Trustees Field Columbian Museum.

Annales de la Société Royale, Malacologique de Belgique, Tome XXVII, Annee, 1892, Bruxelles. From the Society.

Anuario publicado pelo Observatorio de Rio de Janeiro for 1895-6. From the Department.

Archæological Report 1894-5. By D. Boyle. Appendix to the report of the Minister of Education Ontario, Toronto, 1896. From the Department.

Athenæum, Journal of English and Foreign Literature, Science, Fine Arts, Music, and the Drama. Current numbers.

Berichte der Naturforschenden zu Freiburg, J.B., June and September, 1894. From the Society.

Boletim Sociedade de Geographia de Lisboa, current numbers, 1895. From the Society.

Brief account of the Lick Observatory of the University of California. Prepared by E. S. Holden, Sacramento, 1895. From the Department.

Bulletin de la Société Imperiale des Naturalistes de Moscow, Moscow, 1896. From the Society.

Bulletin of the Museum of Comparative Zoology at Harvard College, Vol. XXIX., No. 1. Reports on the dredging operations off the West Coast of Central America to the Galapagos, to the West Coast of Mexico, and in the Gulf of California, in charge of Alexander Agassiz, carried on by U.S. Fish Commission steamer Albatross during 1891. Lieut. Commander Z. L. Tanner, U.S.N., commanding. XX. The Foramanifera, by Axel Goes, Cambridge, Mass. 1896. No. 3. The anatomy and histology of *Caudina arenata* Gould, by J. H. Geroald. No. 5. The development of the wing scales and their pigment in butterflies and moths, by A. G. Mayer; No 6. Report on the Turbellaria, collected by the Michigan State Fish Commission during the summers of 1893-94, by W. McM. Woodworth. From A. Agassiz.

Bulletin de la Société, Royal de Botanique. Tome XXXIV. Bruxelles, 1895. From the Society.

Bulletin of the American Museum of Natural History. Vol. VII., 1895. From the Trustees,

Bulletin of the Chicago Academy of Sciences. Preliminary outline of a new classification of the family Muricidæ, by F. C. Baker. Thirty-eighth annual report for the year 1895 of the Academy of Sciences. From the Trustees.

Contributions to the Larval History of Pacific Coast Coleoptera. By J. Rivers, Sacramento, 1886.

Contributions to the Flora of Yucatan. By C. S. Millsapugh, Curator, Department of Botany. Vol. I., No. 1, from the Trustees Field Columbian Museum.

Department of the Interior. Bulletin of the United States Geological Survey, No. 118. A geographic dictionary of New Jersey, Gannett, No. 119. A geological reconnaissance in north-west Wyoming, Eldridge, No. 120. The Devonian system of Eastern Pennsylvania and New York, Prosser, No. 121. A Bibliography of North

American Palæontology, 1888-1892, Keyes, No. 122. Results of Primary Triangulation, Gannett. From the Department.

Department of Agriculture, Victoria. Systematic arrangement of Australian Fungi, together with host of index and list of works on the subject. By D. McAlpine. From the Department.

Directory of the grape-growers, wine-makers, and distillers of California, and of the principal grape-growers and wine-makers of the Eastern States. Sacramento, 1891. From the department.

Field Columbian Museum, publication 5, zoological series, Vol. 1, No. 1, "On the structure and development of the vertebral column of *Amia*," by O. P. Hay, Ph. D. Report series Vol. 1, No. 1. Annual report of the Director to the Board of Trustees for the year 1894-5. No 2. On certain portions of the skeleton of *Protostega Gigas*, by O. P. Hay, Ph. D. Vol. 1, No. 1. Archæological studies among the ancient cities of Mexico, by W. H. Holmes. Part 1. Monuments of Yucatan. Vol. 1, No. 1. Flora of West Virginia, by C. F. Millspaugh and L. W. Nuttall. Chicago, 1895-6. From the trustees.

Flora of British India. Part XXI., 1896. From the author.

General index to volumes XXX. to LII., of the monthly notices of the Royal Astronomical Society, 1869-1892. From the Society.

Geographical Journal (current numbers). From the Royal Geographical Society.

Geogenetische Beiträge, by D. Otto Kuntze, Leipzig. From the author, 1895.

Geological Magazine, or Monthly Journal of Geology (current numbers). From the Society.

Geological Survey of Canada. Alfred R. C. Selwyn, C.M.G., F.R.S. Directors' Annual Report, new series, Vol. VI., 1892-93. Ottawa, 1895. From the Department.

Geological Survey of Canada, G. M. Dawson, C.M.G., L.L.D., F.R.S., Director. Contributions to Canadian Palæontology, Vol. II., Part 1, Canadian Fossil Insects, Myriapods and Arachnids, by S. S. Scudder, Ottawa, 1895. From the Department.

Geological Notes on the Coolgardie Gold-fields, by Dr. Chas. Chewings, Ph.D.; a paper read before the Royal Colonial Institute, March 17, 1896. From the author.

Handbook and Catalogue of the Meteorite Collection, by Oliver C. Favrington, Ph.D., Vol. I. No. 1, Geological Series. From the Trustees, Field Columbian Museum.

Ibis, The, a quarterly journal of Ornithology (current numbers.) From the Society.

Indexes to the Literatures of Cerium and Lanthanum, by W. H. Magee, Ph.D.

Index to the Literature of Didymium, 1842-1893, by A. C. Langmuir, Ph.D. From the Smithsonian Institution, Iowa Geological Survey, Vol. IV.—Third annual report 1894, with accompanying papers. From the Trustees.

Journal of the Linnean Society of London Zoology, Vol. XXV., Nos. 162-3, Botany. Vol. XXXI., Nos. 212 to 217, 1815-6. List of the Linnean Society of London, 1895-6. From the Society.

Journal of the Royal Society of Antiquaries of Ireland. Current numbers. From the Society.

Journal of the Royal Statistical Society. Vols. LXVIII., Part 1, March 1895; Part 4, Dec. 1895. Vols. LIX., Part 1, March 1896; Part 2, June 1896. From the Society.

Journal of the Royal Microscopical Society of England (current numbers). From the Society.

Journal and Proceedings of the Royal Society of New South Wales. Vol. XXIX., 1895. From the Society.

Kansas University, Quarterly. Vol. IV., January 1896, No. 3. From the University.

Memoirs of the Museum of Comparative Zoology at Harvard College. Vol. XIX., No. 1. The Cyprinodonts, by S. Garman, with twelve plates. From Alexander Agassiz.

Memoirs of the Royal Astronomical Society. Vol. LI., 1892-95. From the Society.

Memoirs of the Boston Society of Natural History. Volume V. No. 1. On the reserve cellulose of the seeds of *Liliaceæ* and of some related orders; by Grace E. Cooley. 2. Notes on the dissection and brain of the Chimpanzee "Gumbo," by T. Dwight. From the Society.

Monthly Notices of the Royal Astronomical Society. Current numbers. From the Society.

Nature, a weekly illustrated journal of science. Current numbers.

Oaks of Berkeley, and some of their insect inhabitants. By J. J. Rivers, Sacramento, 1887.

On the densities of Oxygen and Hydrogen, and on the ratio of their atomic weights. by E. W. Morley, Ph.D. From the Smithsonian-institution.

Proceedings of the American Philosophical Society, Vol. XXXIV., No. 149, December, 1895. From the Society.



Proceedings of the American Philosophical Society, held at Philadelphia, for promoting useful knowledge, Vol. XXXIV., July, 1895, No. 148. "The Theory of the State," by G. H. Smith, of Los Angeles, Cal. The crowned essay for which the prize of 500dol. was awarded on May 17, 1895, from the Henry M. Phillips Prize Essay Fund, by the committee of judges appointed by the American Philosophical Society held at Philadelphia. From the Society.

Proceedings of the Californian Academy of Sciences (second series), Vol. V., Pts. 1, 2. From the Academy.

Proceedings of the Boston Society of Natural History. Vol. XXVI., Part 4, November 1894, May 1893. From the Society.

Proceedings of the Portland Society of Natural History. Vol. II., Part 3, 1895. From the Society.

Proceedings of the Academy of Natural Sciences of Philadelphia, 1895, Parts 2-2, Part 1, January, February, and March, 1896. From the Trustees.

Proceedings of the American Academy of Arts and Sciences, new series, Vol. XXII.; whole series XXX. From May 1894, to May 1895. Selected from the records, Boston. From the Trustees.

Proceedings of the Royal Society of England (current numbers). From the Society.

Proceedings of the General Meetings for Scientific Business of the Zoological Society of London for the year 1895, Parts 1 to 14, January to December; 1896, Parts 1 to 2, January to April. From the Society.

Proceedings of the Royal Irish Academy (current numbers). From the Society.

Proceedings of the Linnean Society of London, April, 1896; from November, 1894, to June, 1895. From the Society.

Proceedings of the Linnean Society of New South Wales for the year 1896, Part II. From the Society.

Proceedings and Transactions of the Queensland Branch of the Royal Geographical Society of Australasia, Vol. XI., 1895-96. From the Society.

Proceedings of the Philosophical Society of Glasgow, 1894-5, Vol. XXXI. From the Society.

Proceedings of the Royal Society of Queensland, Vol. XI., Part 2. From the Society.

Quarterly Journal of the Geological Society of England, Vols. LI., Nos. 201 to 204; Vol. LII., Nos. 205 to 207. Geological Literature added to the Geological Society's

Library during the year ended December 31, 1895. From the Society.

Records of the Geological Survey of India (current numbers). From the Society.

Register of the University of California, organised 1868, for the years 1894-5. From the University.

Royal Geographical Society of Australasia, Brisbane. The Physical Geography of Australia, anniversary address by the President, J. P. Thomson, F.R.G.S., F.S.Sc., Brisbane, 1895. From the author.

Report of the Surgeon-General of the Army to the Secretary of War for the fiscal year ended June, 1895. Washington, 1895. From the Department.

Report on the work of the Horn Scientific Expedition to Central Australia. Part II., Zoology; Part III., Geology and Botany. Edited by Prof. Baldwin Spencer, M.A.

Report of the Viticultural work, during the seasons 1887-89, with data regarding the vintage of 1890. Part I., Red-wine Grapes, by L. Paparelli. Report of work of the Agricultural Experiment Stations of the University of California for the years 1891, 1892, 1893, and part of 1894, by E. W. Hilyard. From the Trustees University of California, Sacramento, 1892, 1893, 1894.

Report, First Annual, of the Chief Executive Viticultural Officer to the Board of State Viticultural Commissioners for the year 1881. Second do. for the years 1882-3 and 1883-4, with their appendices, published separately. Annual Reports for 1889, 1890, 1891, 1892, 1893, and 1894, ending June, 1895. Sacramento. From the Department.

Report of the Board of State Horticultural Commissioners of California. Sacramento, 1882. From the Department.

Scientific Transactions of the Royal Dublin Society. Vol. VII. (Series II). I. On *Pithecanthropus erectus*—a transitional form between man and the apes, by Dr. E. Dubois. V. On derived crystals in the basaltic andesite of Glasdrumman Port, Co. Down, by G. A. J. Cole, M.R.I.A., F.G.S. VI. On the fossil fish remains of the coal measures of the British Islands. Part II. *Acanthoidæ*, by the late J. W. Davis, F.G.S., etc. VII. Eozoönal structure of the ejected blocks of Monte Somma, by Professor H. J. Johnston Lavis, M.D., and J. W. Gregory, D.S.C. VIII. The brain of the microcephalic idiot, by D. J. Cunningham, M.D., and Telford Telford Smith, M.D. IX. Survey of fishing grounds, west coast of Ireland, 1890-91. Report of the rarer fishes, by E. W. L. Holt and W. L. Calderwood. X. The papillary ridges on

the hands and feet of monkeys and men, by D. Hepburn, M.D., etc. XI. The course and nature of fermentative changes in natural and polluted waters, and in artificial solutions, as indicated by the composition of the dissolved gases. Parts I., II. and III., by W. E. Adeney, Assoc. R.C. Sc. I., etc. XII. A monograph of the marine and fresh-water Ostracoda of the North Atlantic and of North-Western Europe. Part II., sections II. to IV. Myodocopa, Cladocopa, and Platycopa, by G. S. Brady, M.D., and the Rev. Canon A. M. Norman, M.A., F.R.S. From the Society.

Scottish Geographical Magazine (current numbers). From the Society.

Smithsonian Institution, United States Museum. Bulletin of the U.S. National Museum, No. 48. Contribution toward a monograph of the insects of the Lepidopterous family noctuidæ of boreal North America, a revision of the deltoid moths, by J. B. Smith, Sc. D, Washington, 1895. From the Institution.

Société Royale Malacologique de Belgique, Process Verbal de la Séance, current numbers. From the Society.

Sylloge, Algarum, by Doct. J. B. de Toni. Vol. III., Patavii, 1895. From the author.

Transactions of the Royal Irish Academy, Vol. XXX., part XVIII. Scalar invariants of two linear rector functions, by C. J. Jolly, M.A. Part XIX. On a volcanic rock, of Tertiary age, in the County of Galway, by W. J. Sollas, LL.D., etc., and A. McHenry, M.R.I.A. Part XX. On species of Phoxocephalus and Apherusa, by W. T. Calman, B.S.C. From the Academy.

Transactions of the Academy of Science of St. Louis. Vol. VI., No. 18. Proceedings. Vol. VII., No. 1. A study of the Unionidæ of Arkansas, with incidental reference to the distribution in the Mississippi Valley, by R. E. Call. No. 2. On the electrical capacity of bodies, and the energy of an electrical charge, by F. E. Nipper. No. 3. Note on the glacial drift in St. Louis. Note on the occurrence of blende in lignite. Recent additions to the

mineralogy of Missouri, 1895, by H. A. Wheeler. From the Department.

Transactions and proceedings of the New Zealand Institute, 1895, Vol. XXVIII. (eleventh of new series) edited by Sir James Hector, K.C.M.G., M.D. From the Institute.

Transactions and proceedings of the Royal Society of South Australia, Vol. XX., Part 1. From the Society.

Trencsen Varneygyei—Termesztudományi. Egylet, 1894-5. Evkonyve. From the Society.

Treatise on wine production and special reports on wine examinations, the tariff and internal revenue taxes and chemical analyses, by C. A. Wetmore, Sacramento. From the Department.

University of California Studies, Vol. 1, No. 1. Notes on the development of a child, parts 1 to 7. Milcent Washburn Shinn. On Lawsonite, a new rock-forming mineral, from the Tiburon Peninsula, Marin Co., Cal. by F. Leslie Ransome. The critical periods in the History of the Earth, by J. Le Conte. From the University.

University of California. Library Bulletin, No. 9. List of printed maps of California, No. 12. Classification of books in the Library, by J. C. Rowell.

University of California, Agricultural Experimentation, Berkley, California. Distribution of Seeds and Plants, November 1895. From the Department.

U.S. Department of Agriculture Division of Entomology. The Grass and Grain Joint Worm Flies and their Allies, a consideration of some North American *Phytophagic Eurytominae*, by L. O. Howard, Entomologist, Washington, 1896. From the Department.

Verhandlungen der Gesellschaft Für Erdkunde Zu Berlin. Band XXII., 1898, Nos. 4 to 10. Band XXIII., 1896, Nos. 1 to 4. From the Society.

Victorian Year Book, 1894. From the Government.

Victorian Naturalist, the Journal and Magazine of the Field Naturalists' Club of Victoria (current numbers). From the Society.