

by F. Henroteau, D.Sc.; No. 6, Gravity in Northwestern Canada, by A. H. Miller, M.A.; No. 7, Photometry with a 6-inch Doublet, by R. M. Motherwell, M.A.; No. 8, Magnetic Results, 1921-23, by C. A. French, B.A., and R. G. Madill, B.A.; No. 9, Gravity in Western Canada, by A. H. Miller, M.A. Vol. IX, Astrophysics, No. 1, The Cepheid Problem, by F. Henroteau, D.Sc.; No. 2, The Spectroscopic System Sigma Scorpii (Third Paper), by F. Henroteau, D.Sc.; No. 3, A Study of Zeta Geminorum (First Paper) by F. Henroteau, D.Sc.; No. 4, The Spectroscopic System Nu Eridani, by F. Henroteau, D.Sc.; No. 5, A Study of Eta Aquilae (First Paper), by F. Henroteau, D.Sc.; No. 6, The Castor System, by D. A. Barlow, M.A.; No. 7, A Study of Eta Aquilae (Second Paper), by F. Henroteau, D.Sc. and A. Vibert Douglas, Ph.D. (See also Year Books, 1919, pp. 630-631; 1921, pp. 838-839; 1927-28, pp. 1032-1033).

Dominion Astrophysical Observatory.—Vol. 4, No. 1, Three Peculiar Spectra, by J. S. Plaskett; No. 2, Three Long-Period Spectroscopic Binary Stars, by R. K. Young; No. 3, Two A-type Spectroscopic Binaries, by W. E. Harper; No. 4, Graphs for Obtaining the Position Angle and Distance of the Apex, and the Galactic Co-ordinates for any Star, by J. A. Pearce and S. N. Hill; No. 5, The Spectroscopic Orbit of H.R. 5702, and Velocity and Light Curves of 12 Lacertae, by W. H. Christie; No. 6, The Orbits of the Spectroscopic Components of the Two Helium Stars, H.D. 19820 and H.D. 176853, by J. A. Pearce; No. 7, Two A-Type Binaries and the Radial Velocity of 50 Stars, by R. M. Petrie; No. 8, The Spectroscopic Orbit of H.D. 176819 and a Note on H.D. 185936, by P. M. Millman; No. 9, Two Spectroscopic Orbits and Notes on ν Sagittarii, by J. S. Plaskett; No. 10, The Composite Stellar and Nebular Spectrum of Z Andromedae, by H. H. Plaskett; No. 11, The Orbits of A Persei and H.R. 8210, by W. E. Harper. (For earlier publications, see 1927-28 Year Book, p. 1033.)

Dominion Water Power and Reclamation Service.—I. Combined Annual Report of the Dominion Water Power and Reclamation Service from 1923 to 1927. II. Water Power:—Annual Reports of the Dominion Water Power Branch from 1913 to 1923 (the Annual Reports of the Branch previous to 1913 are included in the Annual Report of the Department). *Water Resources Papers.*—I. *Reports of Special or General Interest.*—2, Report on Bow River Power and Storage Investigations, by M. C. Hendry; 3, Report on Power and Storage Investigations, Winnipeg River, by J. T. Johnston; 5 and 11, Preliminary and Final Reports on the Pasquia Reclamation Project, by T. H. Dunn; 6, Report on Cost of Various Sources of Power for Pumping, in connection with the South Saskatchewan Water Supply Diversion Project, by H. E. M. Kensit; 7, Report on the Manitoba Water Powers, by D. L. McLean, S. S. Scovil and J. T. Johnston; 10, General Guide for Compilation of Water Power Reports of Dominion Water Power Branch, prepared by J. T. Johnston; 12, Report on Small Water Powers in Western Canada and discussion of Sources of Power for the Farm, by A. M. Beale; 13, Report on the Coquitlam-Buntzen Hydro-Electric Development, by G. R. G. Conway; 16, Water Powers of Canada, a series of five pamphlets prepared for distribution at the Panama-Pacific Exposition, 1915, by G. R. G. Conway, P. H. Mitchell, H. G. Acres, F. T. Kaelin and K. H. Smith; 17, Canadian Hydraulic Power Development and Electric Power in Canadian Industry, by C. H. Mitchell; 20, Report on the Interests Dependent on Winnipeg River Power, with special reference to the capital invested and the labour employed, by H. E. M. Kensit; 27 and 33, Directories of Central Electric Stations in Canada to Nov. 1, 1922, by J. T. Johnston; 32, Water Resources Index Inventory, by J. T. Johnston; 56, Water Powers of Manitoba, by C. H. Attwood; 60, Water Powers of Canada, by J. T. Johnston. II. *Surface Water Supply Reports.*—(A) Atlantic Drainage south of St. Lawrence river, including Nova Scotia, New Brunswick, Prince Edward Island and south-eastern Quebec; 29, 37, and 52, from 1919 to the climatic year ending Sept. 30, 1926, by K. H. Smith; (B) St. Lawrence and Southern Hudson Bay Drainage in Quebec; 41, and 48 from 1922 to climatic year ending Sept. 30, 1925, by L. G. Denis; (C) St. Lawrence and southern Hudson Bay Drainage in Ontario; 28, 34, 38, 42 and 49 from 1919 to the climatic year ending Sept. 30, 1925, by S. S. Scovil; (D) Arctic and western Hudson Bay Drainage (and Mississippi Drainage in Canada) in Alberta, Saskatchewan, Manitoba, extreme western Ontario, and Northwest Territories; 4, 19, 22, 24, 26, 31, 36, 40, 44, 46, 50 and 54, from 1912 to the climatic year ending Sept. 30, 1926, by M. C. Hendry (to 1915) and C. H. Attwood and A. L. Ford (previous to 1919-20, surveys in Alberta and Saskatchewan were carried on and published by the Reclamation Service, Department of the Interior); (E) Pacific Drainage in British Columbia and the Yukon Territory; 1, 8, 14, 18, 21, 23, 25, 30, 35, 39, 43, 47, 51 and 53, from 1911 to the climatic year ending Sept. 30, 1926, by P. A. Carson (to 1912), R. G. Swan (to 1923) and C. E. Webb. III. *Reclamation.*—Irrigation Reports, 1912 to 1918-19; Annual Reports of the Reclamation Service, 1919-20 to 1922-23; Reports of the Western Canada Irrigation Association Conventions (1st to 11th Conventions); Report of the International Irrigation Congress, 1914. *Bulletins.*—(1) Irrigation in Alberta and Saskatchewan; (2) Alfalfa Culture; (3) Climatic and Soil Conditions in C. P. Ry. Co's Irrigation Block; (4) Duty of Water Experiment and Farm Demonstration Work; (5) Farm Water Supply; (6) Irrigation Practice and Water Requirements for Crops in Alberta. *Pamphlets.*—“Practical Information for Beginners in Irrigation”, by W. H. Snelson. Address by S. G. Porter on “Practical Operation of Irrigation Works”. Address by Dr. Rutherford