

外國天文雜誌最近號要目

“Monthly Notices”

Vol. 93. No. 1. (1932 November 11) *C. R. Davidson* and *F. Jackson*, Report of the Expedition from the Royal Observatory, Greenwich, to observe the Total Eclipse of the Sun on 1932 August 31.—*F. J. M. Stratton*, Total Solar Eclipse, 1931 August 31; Report of the Expedition from the Solar Physics Observatory, Cambridge.—*R. L. Waterfield*, Total Eclipse of the Sun, 1932 August 31; Expedition to Gortham, New Hampshire.—*W. S. Finsen*, The Reliability of Hypothetical Parallaxes.—*M. H. H. Walters*, Variations in the Eccentricity and Semi-Axis Major of the orbit of a Spectroscopic Binary.—*Rev. M. Davidson*, Determination of the True Anomaly and the Time of Perihelion Passage in Hyperbolic Orbits.—*N. Fairclough*, Numerical Integration of Emdens Polytropic Equation of Index Three.—*V. A. Ambarzumian*, The Radiative Equilibrium of a Planetary Nebula.—*D. S. Kothari*, Applications of Degenerated Statistics to Stellar Matter.—*T. G. Cowling*, The Electrical Conductivity of an Ionized Gas in the Presence of a Magnetic Field.—*C. V. Jackson*, The Wave-Lengths of the H and K Lines of Calcium in the Arc in Vacuo and their Red Shifts in the Solar Spectrum.—*L. N. G. Filon*, Note on the Tidal Theory of the Evolution of the Solar System.—*Violet H. White*, The Proper Motions of Stars in the Region of M31.—*A. King*, An Ephemeris of the Radiant-Point of the Leonids.—*S. Plakidis* and *G. Adamopoulos*, Occultations of Stars by the Moon, observed at the National Observatory of Athens.

Vol. 93. No. 2 (1932 December 9) *J. Jackson*, Hornsby's Observation of Mercury, 1774–1798.—*H. Zanstra*, The Expansion Hypothesis for Planetary Nebulae.—*P. R. Chidambra Aiyar*, Two Longitudinal Zones of Apparent Inhibition of Sunspots on the Solar Disc.—*Friedrich Nölke*, On the Origin of the Solar System.

Vol. 93. No. 3. (1933 January 13) *J. Evershed*, A new Method of using a Spectrograph for Solar Rotation Work.—*C. P. Butler*, Large Solar Disturbance of 1932 December 12.—*L. J. Comrie*, The Computation of Total Solar Eclipses.—*L. J. Comrie*, The Total Solar Eclipse of 1940 October 1.—*L. Becker*, On a new Aircraft-Sextant for Use with Visible Horizon.—*P. A. Curry*, Observation of Leonids at Helwan Observatory, 1932 November.—*W. J. Luyten*, Faint Double Stars with Common Proper Motion in the Southern Sky.

Vol. 93. No. 4. (1933 February 10) Report of the Council to the Hundred and Thirteenth Annual General Meeting of the Society.—The President's Address on the Award of the Gold Medal.

Vol. 93. No. 5. (1933 March 10) Upper Limits to the Density and Temperature in a Star.—*G. C. McVittie*, The Mass-Particle in an Expanding Universe.—*Herbert Dingle*, Total Eclipse of the Sun, 1932 August 31; Report of the Imperial College Expedition.—*H. Horrocks*, Determinations of Effective Wave-Lengths and Colour Indices of Eros and the Southern Primary Reference Stars, and Their Application to the Control of Systematic Errors in Determinations of the Solar Parallax due to Atmospheric Dispersion.—*William J. S. Lockyer*, The Variable

Spectrum of γ Cassiopeiae.—*S. Plakidis*, On the Irregularities of Period of S Bootis and R Camelopardalis.—Preliminary Values of the Variation of Latitude at Greenwich in 1932.—*J. C. Dobbie*, A Study of the Effect of a Theoretical Tidal Variation of the Zenith on the Annual Variation of Latitude.—*Frank Schlesinger*, Tidal of a Projection Method for Measuring Photographs.—*S. Chandrasekhar*, The Equilibrium of Distorted Polytropes.—*G. Merton*, Photographic Observations of Comets made at the Royal Observatory, Greenwich, 1926–27.—*A. Stanley Williams*, On periodic or Secular Changes of Velocity on Jupiter.—*S. Plakidis* and *G. Adamopoulos*, Occultations of Stars by the Moon, observed at the National Observatory of Athens.

Vol. 93. No. 6. (1933 April 12) *V. C. A. Ferraro*, The Mean Free Path in rare ionized Gases.—*F. A. Edgar*, The Pulsation Theory of Cepheid Variables.—*W. M. Smart*, Photometric Observations of Twilight.—*A. L. Loomis* and *H. T. Stetson*, An Apparent Lunar Effect in Time Determinations at Greenwich and Washington.—*James Young*, Occultations of Stars by The Moon Observed at Birmingham University during The Year 1932.—*S. Chandrasekhar*, The Equilibrium of Distorted Polytropes.

Vol. 93. No. 7. (1933 May 12) *J. A. Carroll*, The Spectroscopic Determination of Stellar Rotation and its Effects on Line Profiles.—*J. A. Carroll* and *L. J. Ingram*, The Rotational Speeds of the Stars.—*W. O. Kernack* and *W. H. McCrea*, On Milne's Theory of World Structure.—*J. K. Fotheringham*, Greenwich Personality and the Equinox.

Vol. 93. No. 8. (1933 June 9) *S. Chandrasekhar*, The Equilibrium of Distorted Polytropes.—*G. G. Cillie*, The Relation between the Hydrogen Content of the Stars and their Equation of States.—*C. S. Beals*, The Relative Intensities of Interstellar Calcium and Sodium Lines.—*R. H. Stoy*, The Temperatures of the Nuclei of Planetary Nebulae.—*H. N. Russell*, A Rapid Method for Determining Visual Biary Orbits.—*E. W. Brown*, The Motion of the Moon.—*William J. S. Lockyer*, The Variable Spectrum of γ Cassiopeiae.—*A. N. Brown*, Observations of V Cassiopeiae (CH. 8324) in 1926–33.—*W. de Sitter*, On the Expanding Universe and the Time-Scale.—*P. J. van Rhijn* and *J. J. Raimond*, Investigation of a measuring Machine and Methods for measuring differential proper Motions.—*Violet F. White*, The proper Motions of Stars in the Region of Cluster M37 (N. G. C. 2099)—*B. M. Peek*, Photometric Observations of Nova Persei, 1901.

Vol. 93. No. 9. Supplementary Number, *G. D. Leture*, Spectrographic Studies of the Planets.—*E. A. Milne*, Remark on World Structure.—*J. A. Carroll*, On the Effect of Errors of Observation on the Spectroscopic Determination of Stellar Rotation.—*R. v. d. R. Wooley*, The Calcium Ionization Temperature of the Sun.—*Y. Cambresier* and *L. Rosenfeld*, On the Dissociation of Molecules in the Atmospheres of the Stars of the Main Sequence.—*L. Rosenfeld*, The Dissociation of Molecules in the Atmospheres of the Carbon Stars.—*D. L. Edwards*, Variations in the Spectrum of 42 Camelopardalis.—*T. E. Sterne*, The Equilibrium Theory of the Abundance of the Elements: A Statistical Investigation of Assemblies in Equilibrium in which Transmutations occur.—*T. E. Sterne*, A Note on the Libration of Energy by Transmutations of Nuclei in the Stars.—*T. E. Sterne*, The Equilibrium of Transmutations in Stars in which Transmutations Are an Important Source of Energy.—*J. P. Moeller*, Calculation of Ephemerides in Nearly Parabolic Orbits.—*P. M. Ryves*, RT Hydrae.