

外國天文雜誌最近號要目

“Astrophysical Journal”

Volume 79, No. 1 (January 1934) *O. Struve, P. C. Keenan, and J. A. Hynek*, Color Temperatures of B-Type Stars and Rayleigh Scattering.—*Edwin Hubble*, The Distribution of Extra-galactic Nebulae.—*Roscoe F. Sanford*, The Radial-Velocity Variations of V Ursae Minoris, R. Sagittae, and V Vulpeculae.—*Roscoe F. Sanford*, The Radial-Velocity Variation of UU Cassiopeiae.—*Roscoe F. Sanford*, Approximate Spectroscopic Elements for AG Virginis, RW Coronae Borealis, and AK Herculis.—*Roscoe F. Sanford*, Spectroscopic Orbital Elements for the Eclipsing Variable CM Lacertae.—*C. J. Krieger*, A Preliminary Table of Lines in the Spectrum of δ Cephei.—*Ralph N. Van Arnam*, The Hydrogen Line of Widths in γ Draconis.

Volume 79, No. 2 (March 1934) *John S. Hall*, Photo-electric Photometry in the Infra-red with the Loomis Telescope.—*Paul W. Merrill*, Photography of the near Infra-red Region of Stellar Spectra.—*Frederic H. Seares and Mary C. Joyner*, Systematic Corrections to Photographic Magnitudes of Polar Stars.—*E. U. Cowdon*, The Absolute Intensity of the Nebular Lines.—*Dean B. McLaughlin*, Some Spectroscopic Phenomena of the Eclipse of Aurigae.—*Clifford C. Crump*, β Cephei.—*C. T. Elvey*, The Intensities of Some Multiplets of Fe and Ti in Stellar Spectra.

Volume 79, No. 3 (April 1934) *E. G. Williams*, The Relation between Color Excess and Interstellar Calcium Line Intensity.—*Walter S. Adams and Theodore Dunham, Jr.* The B Band of Oxygen in the Spectrum of Mars.—*Henry Norris Russell*, Molecules in the Sun and Stars.—*Paul W. Merrill*, H. D. 33232, A Long-Period Spectroscopic Binary of Class Be.—*Clifford C. Crump*, The Radial Velocity of δ Ceti.—*Christine Westgate*, A Statistical Study of Rotational Broadening in 112 Stars of Class F.—*Virginia Modesitt and Ted Martin*, A Solution of the Light-Curve of X Trianguli.

Volume 79, No. 4 (May 1934) *C. M. Huffer*,—A Photo-electric Study of W. Ursae Majoris.—*Dean B. McLaughlin*, The Variable Spectrum of VV Cephei.—*Emma T. R. Williams*, A Study of the Color Indices of 533 Faint Stars of Known Spectra in Low Galactic Latitudes.—*Otto Struve and C. T. Elvey*, The Intensities of Stellar Absorption Lines.—*C. L. Pekeris*, Note on Brunts Formula for Nocturnal Radiation of the Atmosphere.

“Astronomical Journal”

No. 1006. (April 11.) *W. J. Luyten*, Note on the Orbit of 2294.—*W. J. Luyten*, The Orbit and Parallax of γ Geminorum.—*Bertha Grier Crissman*, Photographic Determinations of the Parallaxes of Twenty-three Stars with the Thaw Refractor.—*Frank Schlesinger*, Summary of the Parallaxes of Forty-eight Stars.—*Enrique de la Villemarque*, Erratum.

No. 1007. (April 11.) *Dean B. McLaughlin*, Visual Observation of δ Cephei.—*Samuel G. Barton*, Double Stars in the Helsingfors Astrographic Zone, Third Paper.

No. 1008. (May 7.) *Jan Schilt*, The Significance of Counts of Stars having Spectral Types F5.—*Paul Herget*, On the Orbit of Comet 1932 c.

No. 1009. (April 20.) *Dean B. McLaughlin*, Visual Observations of η Aquilae.—*E. de la Villemarque, S. J.* Occultations d'Etoiles par la Lune, Observes a Zo-Sé, en

1933.—*Sydney J. Judah, S. J.* Occultations of Stars by the Moon.—*Helen M. Porter and Alice H. Farnsworth*, Occultations of Stars by the Moon.

No. 1010, (May 19.) *Ernest W. Brown and Dirk Broutwer*, Compilation and Discussion of 1199 Occultations Observed in 1932.

No. 1011. (June 1.) *H. E. Burton and W. M. Browne*, Occultations by the Moon, 1933 July-December.—*P. A. McNally, S. J., T. D. Barry, S. J., and W. J. Miller, S. J.*, Occultations of Stars by the Moon.

“Monthly Notices, R. A. S.”

Vol. 92, No. 7. (1932 May 13) *George Darwin Lecture: R. G. Aitken*, What we know about double stars.—*E. A. Milne*, The analysis of stellar structure, ii.—*N. Fairclough*, Tables of solutions of $\psi'' + \frac{2}{\eta}\psi' = -\psi^{\frac{3}{2}}$ satisfying the initial conditions, $-\eta_0^5\psi'(\eta_0) = \omega_{\frac{3}{2}}$ and $\psi(\eta_0) = 0$, where η_0 and $\omega_{\frac{3}{2}}$ are prescribed.—*E. C. Stoner*, The minimum pressure of a degenerate electron gas.—*E. C. Stoner*, Upper limits for densities and temperatures in stars.—*C. S. Beals*, On the temperatures of Wolf-Rayet stars and novae.—*A. F. Dufton*, The graphical computation of the radial component of the solar motion.—*M. Davidson*, The Reinmuth object.—*L. J. Comrie*, The application of the Hollerith tabulating machine to Brown's table of the moon.—*B. M. Peek*, The formation of spiral arms.—*P. M. Ryves*, A remarkable variable star (V Sagittae).—*W. H. Steavenson*, Observations of novae. 1931–32.—*S. Plakidis*, Observations of occultations.

Vol. 92, No. 8. (1932 June 10) *H. S. Jones*, The spectrum of Nova Pictoris (1925).—Stellar parallaxes determined photographically at the Cape Observatory, iv.—*J. Storey*, Spectroscopic observations of the sun's rotation made at the Royal Observatory, Edinburgh, 1914–31.—Mean areas and heliographic latitudes of sun-spots in 1931.—*P. J. van Rhijn*, Reduction of spectroscopic absolute magnitudes to a uniform system.—*G. Schajn & V. Albitsky*, The radial velocities of 343 stars.—*A. Fletcher*, Note on the effect of neglecting preferential motion in deriving a mean parallax from peculiar motions.—*H. H. Walters*, The variation of eccentricity and semi-axis major for the orbit of a spectroscopic binary.—*R. v. d. R. Wooley*, Observations of intensities of some lines in the solar spectrum.—*G. Cillie*, The hydrogen emission in gaseous nebulae.—*H. N. Russell*, Note on Milne's theory of stellar structure.—*A. S. Williams*, On the north temperate belt of Jupiter and on systematic error in observing transits.—*W. H. Steavenson*, A simple stellar photometer.—*S. Plakidis*, Observations of comets made with the Deridis refractor (Gautier 400mm) of the National Observatory of Athens.—*G. P. Kar*, A preliminary discussion of latitude variation at Dehra Dun.—*H. S. Jones & A. F. Wilkin*, Occultations observed at the Royal Observatory, Cape of Good Hope, in 1923–1931.—Occultations of stars by the moon, observed at the National Observatory of Athens.—*M. A. Ferrero*, Occultations of stars by the moon, observed at the Royal Observatory of Turin (Pino Torinese) during 1931.

Vol. 92, No. 9. Supplementary Number) *E. Hopf*, Remarks on the Schwarzschild-Milne model of the outer layers of a star, ii.—*G. C. McVittie*, Dirac's equation in general relativity.—*J. A. Pearce*, The coexistence of stellar and interstellar calcium lines in the massive B9 star H. D. 698.—*C. S. Beals*, Note on the interpretation of stellar emission bands.—*G. Strömberg*, Note on J. M. Mohr's paper, “The rotational space motions of the stars.”—*H. Jeffreys*, On the origin of the solar system.—*H. C. Plummer*, On the nature of dependences in the reduction of astrophysical plates.