

外國天文雜誌最近號要目

“Astronomische Nachrichten”

**Nr. 6031. (Mai 16.)** *N. Boneff*, Un univers en expansion euclidienne.—*Deutsche Seewarte*, Verbesserungen der Nautener Onogo- und Koinzidenz-Signale für die Monate Okt., Nov. und Dez. 1933.—*J. Th. Groosmüller*, Die Sichtbarkeit der Sterne.

**Nr. 6032-33. (Juli 2.)** *Z. Kopal & V. Vand*, Untersuchungen über Veränderliche in der Umgebung der Sternhaufen  $\chi$  und  $h$  Persei.—*Fr. Lause*, V Canum Venaticorum.—*M. Müндler*, Planeten- und Kometenanschlüsse.

**Nr. 6034. (Juli 9.)** *H. Ritter*, Versuch einer Bestimmung von Schichtenlinien auf den Monde.

“Monthly Notices, R. A. S.”

**Vol. 92, No. 1 (1931 November 13)** *A. S. Eddington*, The recession of the extra-galactic nebulae.—*W. H. McCrea & G. C. McVittie*, The expanding universe.—*H. Spencer Jones*, Notes on methods of reduction and publication of results.—*W. H. van den Bos & W. S. Finsen*, Observation of Nova Pictoris.—*H. C. Plummer*, On astronomical refraction.—*W. M. Smart*, Photographic observations of double stars.—*W. S. Finsen*, The determination of dynamical parallaxes of double stars.—*Royal Observatory, Greenwich*, Stellar parallaxes determined.—*G. C. McVittie*, The gravitational effect of radiation on stellar structure.—*Y. Oelman*, Note on the spectrum of a probable white dwarf in  $h$  Persei.—*F. J. Hargreaves*, A comparison-image micrometer.—*E. W. Brown*, On a criterion for the prediction of an unknown planet.

**Vol. 92, No. 2 (1931 December 11)** *E. W. Brown*, On a method of solving Kepler's equation.—*J. Evershed*, Note on apparent increase in the equatorial rotation velocity of the sun.—*R. O. Redman*, The galactic rotation effect in late type stars, ii.—*R. O. Redman*, Note on three variable stars: (i) SV Ursae Majoris, (ii) V Ursae Minoris, (iii) WY Geminorum.—*A. Fletcher*, Note on the effect of proper motion on double star measures.—*A. Fletcher*, The binary system 61 Cygni.—*P. M. Ryves*, RU Aquarii.—*J. Schilt*, Remarks on Prof. Gerasimovic's paper, "Luminosity curve of early B stars"—*P. Swing*, On the behaviour of the bands of CH and CN in the spectrum of  $\delta$  Cephei.—*H. N. Russell*, Note on the constitution of the stars: Addendum.

**Vol. 92, No. 3. (1932 January 8)** *E. A. Milne & S. Chandrasekhar*, Ionization in stellar atmospheres. (iii)—*S. Chandrasekhar*, Model stellar photospheres.—*C. S. Beals*, A photo-electric photometer using valve amplification.—*W. M. Smart*, Photographic observations of double stars, ii.—*T. E. Espin & W. Milburn*, Micrometrical measures of double stars (23rd.)—*B. M. Peek*, Reduction of occultations observed in 1930.—*Nizamiah Observatory* Occultations of stars by the moon observed during 1930 & 1931.—*S. D. Tscherny*, Occultations of stars by the moon, observed at Kiew Astronomical Observatory, in 1929, 1930 and 1931.—*E. W. Brown*, The development of the disturbing function with large values of the ratio of the distances.

**Vol. 92, No. 4. (1932 February 12, Annual General Meeting.)**

Society reports.—*Obituary*, J. Baikie, A. A. Bourne, J. S. Browne, E. R. Bryan, E. R. Bryan, E. Carpmeal, J. B. Colgrove, G. Craig, C. D. P. Davies, W. F. Denning, F. C. Dumat, D. Dutton, C. M. Fleming, J. A. Formoy, H. Grubb, G. P. B. Hallowes, T. Laong, A. F. Lindemann, C. J. Merfield, G. W. Nicolls, C. Parsons, B. Thomsons, S. I. Bailey, A. A. Michelson, A. Wolfer.—Proceedings of observatories: Greenwich, Edinburgh, Cape, Armagh, Cambridge, Solar Physics Obs., Dunsink, Durham, S. Kensington, Liverpool, London University, Radcliff, Oxford, Lockyer, Stonyhurst, Ottawa, Victoria, Helwan, Nizamiah, Kodaikanal, Union, Adelaide, Canberra, Melbourne, Sydney, Wellington, A. F. Bennett's, T. E. Esdin's, J. Evershed's, F. J. Hargreaves's, Newbegin's, B. M. Peck's, T. E. R. Phillips's, W. H. Steavenson's, H. C. Tomkins's.—Notes on progress of astronomy during 1931: Minor planets, comets, stellar structure, solar activity, solar research, stellar spectroscopy, stellar motions, double stars, mathematical tables, the distances and spectrum line displacements of the extragalactic nebulae.—Address: *H. Knox-Shaw*, On the award of the gold medal to R. G. Aitken for his work on double stars.

**Vol. 92, No. 5. (1932 March 11)** *A. S. Eddington*, The "guillotine factor" in stellar opacity.—*C. H. Payne*, An interpretation of absorption and emission lines in early type spectra.—*D. I. Edwards*, Note on some peculiarities in stellar spectra of type B.—*E. G. Williams*, Stellar hydrogen lines and their variation with temperature and surface gravity.—*J. Genard*, Intensity distribution in emission bands of novae.—*G. G. Wiles*, Notes on H. H. Plaskett's paper, "The formation of the magnesium b lines in the solar atmosphere."—*T. G. Cowling*, Diamagnetism and drift currents in the solar atmosphere.—*S. Chapman*, The influence of a solar eclipse upon upper atmospheric ionization.—*J. C. P. Miller*, Map of the corpuscular eclipse track of 1932 August.—*M. G. J. Minnaert & J. van der Bilt*, On the use of colour-filters in the visual photometry of red stars.—*Greenwich Observatory*, Observations of solar flocculi made with the spectroheliograph during 1931.—*H. C. Plummer*, On motion in the neighbourhood of the equilateral points of libration.—*W. J. S. Lockyer*, A bright meteor passing the Pleiades.—*A. C. D. Cronmelin*, Supplementary note on the orbit of Comet Pons-Coggia-Winnecke-Forbes at various apparitions.—*F. J. Hargreaves*, A modified comparison-image micrometer.—Preliminary values of the variation of latitude at Greenwich in 1931.—*J. Young*, Occultations of stars by the moon observed at Birmingham University during 1931.

**Vol. 92, No. 6. (1932 April 8)** *S. Plakidis*, On the irregularities of period of long-period variable stars.—*A. S. Eddington*, Note on Dr. Plakidis's paper.—*A. S. Eddington*, The hydrogen content of the stars.—*R. v. d. R. Woolley*, The analysis of line intensities in stellar spectra.—*G. C. McVittie*, Condensations in an expanding universe.—*V. F. White*, Photographic proper motions of stars in two regions.—*L. J. Comrie*, The Nautical Almanac Office Burroughs machine.—*C. B. Ames*, The 3:1 resonance case in planetary motion.—*H. G. Tomkins*, The selenological aspect of the lunar surface.—*J. M. Mohr*, The rotational space motions of the stars.—*N. Goryatschiff*, Occultations of stars by the moon, observed at Tomsk University Observatory during 1931.