MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY.

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A. A. Common, LL.D., F.R.S., President, in the Chair.

Lewis Evans, J.P., F.S.A., Barnes Lodge, King's Langley, Herts; and
John Anderton Greenwood, B.A., LL.M., Brooklyn, Earl's Court Square, S.W.,
were balloted for and duly elected Fellows of the Society.

The following Candidates were proposed for election as Fellows of the Society, the names of the proposers from personal knowledge being appended:—

William Johnston, Saint Nicholas House, Westgate Street, Gloucester (proposed by J. McCarthy);
George Edward Lumsden, Assistant Secretary of the Province of Ontario, 57 Elm Avenue, Toronto, Canada (proposed by S. W. Burnham);
Major Percy Alexander MacMahon, R.E., F.R.S., Artillery College, Woolwich, and 52 Shaftesbury Avenue, W. (proposed by A. A. Common);
Louis C. H. Maston, Banker, San Francisco, California, U.S.A (proposed by H. H. Turner);
Beauchamp Prideaux Selby, J.P., Pawston, Cornhill-on-Tweed, R.S.O., Northumberland (proposed by John Browning);
J. E. de Villiers, Government Surveyor, Cape Town (proposed by David Gill); and
John Watson, Norman Villa, Glossop Road, Sheffield (proposed by W. J. B. Roome).

Two hundred and twenty presents were announced as having been received since the last meeting, including, amongst others:—

Cayley's Collected Mathematical Papers, vol. x., presented by the Cambridge University Press; Catalog der Astronomischen Gesellschaft, Zone +15° bis +20°, presented by the Society; the Indian Calendar, with tables of eclipses, &c., presented by Robert Sewell; Laplace, Œuvres Complètes, tome xi., presented by the Paris Academy; Loewy and Puiseux, Atlas Photographique de la Lune, fasc. I., presented by the authors; W. T. Lynn, Remarkable Eclipses, presented by the author; Map of India, showing path of eclipse of January 1898, presented by the Surveyor-General; Venus-Durchgänge, 1874 und 1882, Bericht über die deutschen Beobachtungen, Band vi., presented by the German Transit of Venus Commission; Original negatives of Jupiter and the Moon, photographs of Mars, and Sun-spot, and portrait of W. Chauvenet, presented by the Lick Observatory; Series of thirteen transparencies of the Milky Way, &c., presented by E. E. Barnard; series of fifteen photographs of the Milky Way, &c., presented by Max Wolf; Photographs of the spectrum of the zinc arc, presented by Henry Crew.

Mean Areas and Heliographic Latitudes of Sun-spots in the Year 1894, deduced from Photographs taken at the Royal Observatory, Greenwich, at Dehra Dûn (India), and in Mauritius.

(Communicated by the Astronomer Royal.)

The results here given are in continuation of those printed in the Monthly Notices, vol. lvi. p. 11, and are deduced from the measurements of solar photographs taken at the Royal Observatory, Greenwich, at Dehra Dûn, India, and at the Royal Alfred Observatory, Mauritius.

Table I. gives the mean daily areas of umbre, whole spots, and facule for each synodic rotation of the Sun in 1894; and Table II. gives the same particulars for the entire year 1894, and the five preceding years for the sake of comparison. The areas are given in two forms. First, projected areas—that is to say, as seen and measured on the photographs—these being expressed in