

Rhodesia and Nyasaland; J. R. Welch, botanist, Tsetse Reclamation Department, East Africa; J. R. Brown (agricultural officer, Nigeria), principal produce officer, Department of Marketing and Export, Nigeria; F. E. Buckley (senior agricultural officer, Nigeria), principal agricultural officer, Nigeria; A. de K. Frampton (State agricultural officer, Federation of Malaya), agricultural adviser, Development and Welfare Organisation, West Indies; D. M. Hanschell (botanist, Barbados), sugar agronomist, Trinidad; D. G. Jones (agricultural officer, Federation of Malaya), agricultural officer, Tanganyika; R. K. Kerkham (senior agricultural officer, Uganda), assistant director of agriculture (special development), Uganda; C. A. Thorold (specialist (plant pathologist), Gold Coast), plant pathologist, Nigeria; J. A. R. Stoyle (assistant Government chemist, Nigeria), Government chemist, Nigeria; H. H. Maugham Brown (assistant conservator of forests, Basutoland), assistant conservator of forests, Tanganyika; P. C. Lancaster (senior assistant conservator of forests, Nigeria), conservator of forests, Nigeria; D. McIntosh (senior assistant conservator of forests, Nigeria), conservator of forests, Nigeria; M. Robson (senior assistant conservator of forests, Nigeria), conservator of forests, Nigeria; J. Smith (senior assistant conservator of forests, Nigeria), conservator of forests, Nigeria; J. E. Taylor (senior assistant conservator of forests, Nigeria), conservator of forests, Nigeria; J. D. Gillett (health inspector, Uganda), entomologist, Uganda; O. M. Royes (assistant statistician, Jamaica), island statistician, Jamaica; C. Subiahmanyam (pathologist, Federation of Malaya), senior pathologist, Federation of Malaya.

The Night Sky in October

FULL moon occurs on Oct. 7d. 02h. 52m., U.T., and new moon on Oct. 21d. 21h. 23m. The following conjunctions with the moon take place: Oct. 17d. 13h., Mars 3° S.; Oct. 19d. 00h., Saturn 1° S.; Oct. 20d. 16h., Mercury 1° N.; Oct. 25d. 04h., Venus 2° N.; Oct. 27d. 21h., Jupiter 5° N. Mercury is in inferior conjunction on Oct. 3, stationary on Oct. 12, and at its greatest elongation west on Oct. 19. The planet becomes a morning star, rising 1h. 40m. and 1h. 25m. before the sun on Oct. 15 and 31, respectively. Venus sets about an hour after the sun on Oct. 1 and 1½ hours after the sun on Oct. 31, and can be seen in the western sky in the evening, stellar magnitude - 3.7, the visible portion of the illuminated disk varying from about 0.7 to 0.6. Mars, in the constellation of Cancer, rises at 1h., 0h. 50m. and 0h. 40m. at the beginning, middle and end of the month, respectively, and can be seen in the morning hours, stellar magnitude 1.6. Jupiter, in the constellation of Sagittarius, sets about 23h., 22h. and 21h. 10m. at the beginning, middle and end of the month, respectively, and is visible fairly low in the sky in the earlier part of the night. Saturn is visible as a morning star, its times of rising being 3h. 40m. on Oct. 1 and 2h. on Oct. 31. Occultations of stars brighter than magnitude 6 are as follows: Oct. 14d. 00h. 43.3m., 49 Auri. (*R*); Oct. 29d. 19h. 51.6m., 37 Capr. (*D*); Oct. 29d. 21h. 33.2m., ε Capr. (*D*). *R* and *D* refer to reappearance and disappearance, respectively, and the latitude of Greenwich is assumed. The Orionid meteors are active about Oct. 18 for a few nights, and moonlight will not interfere with the observation of this shower. There will be a total eclipse of the moon on Oct. 6-7, visible at Greenwich, the circumstances of which are as follows:

Moon enters penumbra	Oct. 6d. 23h. 50.1m.
Moon enters umbra	7 01 04.7
Total eclipse begins	7 02 19.5
Middle of eclipse	7 02 56.4
Total eclipse ends	7 03 33.2
Moon leaves umbra	7 04 48.1
Moon leaves penumbra	7 06 02.7

There will be a partial eclipse of the sun on Oct. 21, invisible at Greenwich, beginning at 21d. 19h. 15.1m. in longitude -154° 24', latitude -15° 19', and ending at 23h. 09.5m. in longitude 55° 31', latitude -66° 11'. The magnitude of the eclipse at maximum is 0.964.

Announcements

SIR REGINALD STRADLING, chief scientific adviser to the Ministry of Works, has been appointed dean of the Military College of Science, Shrivenham, in succession to the late Prof. C. H. Lander.

THE Committee on Science and the Arts of the Franklin Institute has recommended the award of the Francis J. Clamer Medal to Dr. W. Hume-Rothery, lecturer in metallurgical chemistry in the University of Oxford, in recognition of his work on the determination and interpretation of the structure and behaviour of metallic equilibrium systems.

MR. R. H. ROWSE, at present a senior principal scientific officer at the Fuel Research Station of the Department of Scientific and Industrial Research, Greenwich, London, has been appointed director of research to Messrs. Smith and Wellstood (The Esse Cooker Co.), of Bonnybridge, Stirlingshire. Mr. Rowse, who is a graduate in physics of the University of London, has for the past twelve years been in charge of work on domestic cooking, heating appliances and fuels, and has been closely associated with the establishing of the Scottish Branch of the Fuel Research Station at Thorntonhall, near East Kilbride.

THE London Scientific Film Society will be showing films in the Royal Empire Society Hall, Northumberland Avenue, London, W.C.2, at 7.15 p.m. on the middle Wednesday of each month during October 1949-March 1950. The first showing will be on October 19 and will include "Nature of Plastics" (colour), "Heating Research for Houses", "Turbo Jet Propulsion" and "Atomisation". Membership costs are 15s. for single persons, or 25s. for married couples; further particulars can be obtained from the Honorary Secretary, London Scientific Film Society, 34 Soho Square, London, W.1.

THE ninth series of postgraduate lectures, arranged by the Oil and Colour Chemists' Association, will be given by Prof. M. G. Evans at 6.30 p.m. on October 6, 13 and 20 at the Royal Institution, 21 Albemarle Street, London, W.1, the subject of the lectures being "The Design of Experiment: the Development of Experimental Methods and Theoretical Ideas in a Field of Research". Though the talks will be illustrated by reference to studies in the mechanism of chemical reactions, the theme is one of general application in research and applied science. The fee for the course is 10s., and application for tickets should be made to Mr. John Hannaford, Secretary and Treasurer, O.C.C.A., Aldwych House, Aldwych, London, W.C.2.

ERRATUM. In *Nature* of September 24, p. 544, "Effect of Ethyl Alcohol and Carbon Dioxide on the Sporulation of Bakers' Yeast", line 3, for "in 5-50 per cent" read "from 5 to 50 per cent".