

effectively with water molecules, and uncharged polymers are strongly adsorbed.

**Carbon and Graphite Group**

A CARBON and Graphite Group has been created by the Institute of Physics and the Physical Society. The aim of the new Group is to provide a meeting-ground for physicists who are interested in carbon and graphite materials, and to collaborate with similar groups in sister societies, in order to further the work of an informal group which has been meeting regularly in London. The meetings are expected to interest theoretical physicists and those working with these materials in industry, academic institutions and Government laboratories. Joint meetings with other societies on topics of common interest are also envisaged. Prof. A. R. Übbelohde and Dr. G. S. Parry have been appointed chairman and honorary secretary, respectively, of the provisional Committee, and the remainder of the members who signed the request for the formation of the Group will be invited to serve on it. It is anticipated that the first elected Group Committee will be nominated and elected by the Group members in the summer of 1966. Further information regarding membership of the Institute and Society and of its Carbon and Graphite Group can be obtained on request from the Registrar, Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1.

**The Emmie Clough Scholarship**

THE Royal Horticultural Society has announced that it is offering a scholarship provided out of a bequest from the late Mrs. Emmie Clough, to enable a girl to take a course of training in horticulture which would otherwise be beyond her means. The scholarship, valued at £380 a year, will commence in September 1966. It will be open to women between the ages of eighteen and thirty, and will be tenable for two years at Waterperry Horticultural School, Nr. Wheatley, Oxford. Candidates will be required to have attained a standard of education which will permit them to take full advantage of the course of study, and should normally have completed or be prepared to undertake such periods of practical training in horticulture as may be considered necessary. Further

information can be obtained from the Secretary, Royal Horticultural Society, Vincent Square, London, S.W.1.

**University News:**

**London**

PROF. W. MORRIS-JONES, professor of political theory and institutions in the University of Durham, has been appointed director of the Institute of Commonwealth Studies and professor of commonwealth affairs from January 1. Dr. G. S. W. Organe has been appointed to the chair of anaesthetics, tenable at Westminster Medical School. The following readers have also been appointed: Dr. S. Rosenblat (theoretical mechanics, tenable at the Imperial College of Science and Technology); Dr. J. S. Tooms (applied geochemistry, tenable at the Imperial College of Science and Technology). The following titles have been conferred: *Professor*, Dr. H. Spencer (morbid anatomy, in respect of his post at St. Thomas's Hospital Medical School); Dr. J. W. Smith (chemistry, in respect of his post at Bedford College); *Reader*, Dr. T. J. Chandler (geography, in respect of his post at University College); Dr. J. R. May (bacteriology, in respect of his post at the Institute of Diseases of the Chest).

**Announcements**

MR. H. WILLIAMSON (Canada) has been appointed chairman of the Executive Council of the Commonwealth Agricultural Bureaux in succession to Mr. C. S. McMorris (Jamaica) as from January 1, 1966. Mr. J. A. Afari (Ghana) has been appointed vice-chairman, from the same date.

A SYMPOSIUM on "The Distribution and Biochemistry of Latex in Plants", organized by the Phytochemical Group, will be held in the School of Pharmacy, London, on January 6. Further information can be obtained from Mr. A. H. Williams, Research Station, Long Ashton, Bristol.

A MEETING on "Management Control and Computers", arranged by the Central London Productivity Association, in association with the British Productivity Council, will be held in London during December 9-10. Further information can be obtained from Mr. L. Fuller, Arthur Andersen and Co., St. Alphage House, 2 Fore Street, London, E.C.2.

**THE NIGHT SKY IN DECEMBER**

All times are in Universal Time

MOON		CONJUNCTIONS WITH THE MOON	
New Moon	22d 21h	Venus	26d 04h, 5° N.
Full Moon	8d 17h	Mars	25d 09h, 3° N.
		Jupiter	9d 12h, 2° S.
		Saturn	1d 07h, 4° N.
			28d 17h, 3° N.

**PLANETS**

Times of Rising (R) and Setting (S) during the month

Name	R/S	Beginning	Middle	End	Mag.	D <sub>g</sub> (10 <sup>6</sup> miles)	Zodiacal position
Mercury	R	Unfavourable	6h 05m	7h 00m	—	80	—
Venus	S	18h 55m	19h 10m	19h 00m	-4.4	42	—
Mars	S	18h 05m	18h 05m	18h 15m	+1.4	199	Sagittarius→Capricornus.
Jupiter	R	16h 55m	15h 50m	—	-2.3	384	Taurus
Saturn	S	23h 30m	22h 30m	21h 35m	+1.2	911	Aquarius

D<sub>g</sub> is the distance of planet from the Earth on the 15th of the month

**OCCULTATIONS OF STARS BRIGHTER THAN MAGNITUDE +6 AT GREENWICH**

Star	R/D	Time	Mag.
30 Psc	D	2d 18h 36.2m	+4.7
57 Gem	R	10d 21h 26.2m	+5.1
∞ Gem	D	11d 06h 27.0m	+3.7
∞ Gem	R	11d 07h 05.0m	+3.7
46 Leo	R	14d 00h 05.3m	+5.7
89 Psc	D	31d 21h 15.9m	+5.3

(D, disappearance; R, reappearance)

**METEORS**

Name	Active period	Date of maximum	Radiant	Remarks
Ursids	20d-22d	22d	217° R.A. + 76° Dec.	Favourable

**OTHER PHENOMENA**

8d 17h	Penumbral Eclipse of Moon:	Moon enters penumbra	15h 07m
		Mid eclipse	17h 10m
		Moon leaves penumbra	19h 12m
22d 00h	Mercury 7° N. of Antares		
22d 02h	Winter Solstice		