

properties of a quantum plasma in a uniform magnetic field; Prof. G. Ekspong (Stockholm) on experimental results concerning elementary particles; and Dr. T. Ericson (CERN) on some statistical phenomena in nuclei. The members were entertained to a dinner and dance by the city council on the evening of June 6, and demonstrations were arranged in the physics and electrical engineering departments of the Institute. A brief report of the proceedings of the Conference, together with summaries of the papers presented, is given in *Arkiv for Physik*, 26, 233 (May 22, 1964).

American Society of Plant Physiologists

THE American Society of Plant Physiologists has announced the following awards: *Stephen Hales Prize*, to Prof. F. C. Steward, Cornell University, New York, in recognition of his work on the salt uptake of plants and the nitrogenous constituents of plant tissues, and his investigations of growth substances; *Charles F. Kettering Award*, to Dr. L. N. M. Duysens, University of Leiden, in recognition of his contributions to photosynthetic research; *Charles Reid Barnes Life Membership Award*, to Prof. W. Z. Hassid, University of California at Berkeley, in recognition of his work in the field of sugar biochemistry which has led to discoveries in the metabolism of carbohydrate compounds. Charles A. Shull Life Membership Certificates have been presented to the following members, who were present at the founding of the Society and have retained their interest in its activities: Prof. C. H. Arndt, Clemson College, South Carolina; Prof. W. M. Atwood, Oregon State University; Prof. A. L. Bakke, Iowa State University; Prof. J. P. Bennett, University of California; Dr. W. B. Davis, U.S. Department of Agriculture; Dr. R. B. Dustman, University of West Virginia; Dr. F. M. Eaton, University of California; Prof. G. R. Johnstone, University of South California; Dr. J. P. Jones, U.S. Department of Agriculture; Prof. A. E. Murneck, University of Missouri; Prof. A. C. Saeger, University of Kansas City.

The following were elected officers of the Society: Dr. S. Aronoff, U.S. National Science Foundation (president); Prof. G. G. Laties, University of California (vice-president); Prof. H. Beevers, Purdue University, Indiana (member of the executive committee); Prof. W. D. Bonner, jun., University of Pennsylvania, and Prof. P. J. Kramer, Duke University, North Carolina (members of the editorial board of *Plant Physiology*). These elections will take effect from October 1.

The Night Sky in October

New moon occurs on Oct. 5d 16h 20m U.T. and full moon on Oct. 21d 04h 46m. The following conjunctions with the Moon occur: Oct. 1d 00h, Mars 2° S.; Oct. 2d 03h, Venus 5° S.; Oct. 16d 18h, Saturn 3° N.; Oct. 22d 23h, Jupiter 1° N.; Oct. 29d 09h, Mars 3° S.; Oct. 31d 23h, Venus 4° S. Venus is in conjunction with Regulus on Oct. 5d 07h, Venus being 0.4° S. Mercury is too close to the Sun for observation. Venus is a morning star, rising at 2h 00m, 2h 35m and 3h 15m on October 1, 15 and 31, respectively. Its stellar magnitude is -3.6; its distance from the Earth increases during the month from 89 to 108 million miles and the visible portion of the apparent disk from 0.654 to 0.765. Mars rises at 0h 20m, 0h 15m and 0h 05m at the beginning, middle and end of the month, respectively. Its stellar magnitude is +1.5 and its distance from the Earth on October 15 is 165 million miles. Mars is in Cancer until October 14, when it passes into Leo. Jupiter rises at 19h 10m, 18h 10m and 17h 05m on October 1, 15 and 31, respectively. It is now moving westwards near the boundary between Aries and Taurus, its stellar magnitude is -2.4 and its distance from the Earth on October 15 is 384 million miles. Saturn sets at 2h 15m, 1h 20m and 0h 20m at the beginning, middle and end of the month, respectively. It is in Aquarius, moving

westwards among the stars. Its stellar magnitude is +0.8 and its distance from the Earth on October 15 is 850 million miles. Occultations of stars brighter than magnitude 6 are as follows, observations being made at Greenwich: Oct. 13d 18h 34.0m, 51 Sgr. (*D*); Oct. 13d 19h 06.3m, 52 Sgr. (*D*); Oct. 19d 01h 41.2m, 30 Psc. (*D*); Oct. 28d 01h 22.6m, γ Cnc. (*R*). *D* and *R* refer to disappearance and reappearance, respectively. The Orionid meteors are active during October 15-25, with maximum on October 21, but conditions for observation are unfavourable.

Announcements

PROF. ALEXANDER WEINSTEIN, of the University of Maryland Institute for Fluid Dynamics and Applied Mathematics, has been elected a foreign member of the Accademia Nazionale dei Lincei, Rome. Prof. Weinstein is well known for his outstanding contributions to applied mathematics, especially to the theory of partial differential equations and the calculation of vibrations.

THE 1964 symposium of the Technicon Instruments Company, Ltd., on "Automation in Analytical Chemistry" will be held in London during October 12-14. Further information can be obtained from Technicon Instruments Co., Ltd., Hanworth Lane, Chertsey, Surrey.

THE twenty-seventh annual meeting of the American Documentation Institute on "The Parameters of Information Science" will be held in Philadelphia during October 4-8. Further information can be obtained from A. W. Speakman, E. I. du Pont de Nemours and Co., Wilmington, Delaware.

AN international symposium on "Laser-Physics and Applications" will be held in the University of Berne during October 12-14. Further information can be obtained from R. Dändliker, Institut für Angewandte Physik, Universität Bern, Sidlerstrasse 5, Bern.

THE annual conference of the British Association for Commercial and Industrial Education on "Policy in Perspective" will be held in the University of Nottingham during September 24-26. Further information can be obtained from the Conference Secretary, British Association for Commercial and Industrial Education, 26A Buckingham Palace Road, S.W.1.

A SYMPOSIUM on "Relation of Measurements of Radioactive Contamination in the Working Environment to Personal Exposure", arranged by the Society for Radiological Protection in association with the Joint Health Physics Committee, will be held in the Manchester College of Science and Technology on October 7. Further information can be obtained from Mr. E. T. Wray, Radiological Protection Division, U.K. Atomic Energy Authority, Harwell, Didcot, Berks.

THE annual meeting of the Conference on Electrical Insulation of the Division of Engineering and Industrial Research, National Academy of Sciences—National Research Council, will be held in Cleveland, Ohio, during October 12-14. Further information can be obtained from D. W. Thornhill, Conference on Electrical Insulation, National Academy of Sciences—National Research Council, 2101 Constitution Avenue, Washington 25, D.C.

THE national conference of the Institute of Personnel Management on "Economic Growth and Human Resources" will be held in Harrogate during October 9-11. In conjunction with the conference, five one-day courses will be held on October 9 on: evaluation and development of the personnel function; organization and staffing; staff assessment and counselling; improving selection techniques; training as an aspect of personnel management. Further information can be obtained from the Institute of Personnel Management, Management House, 80 Fetter Lane, London, E.C.4.