

there being no elected officers, and the only record kept being the roll of attendance at each meeting.

The number of workers in the field is steadily increasing and a time must come when some host institutes will find it impracticable to invite everyone on the roll to the meetings which they are organizing; but this is regarded as an additional reason for making the existence of the Club as widely known as possible. Intending host institutes would like to inform all interested workers of a particular forthcoming meeting and invite as many as possible of those who indicate a desire to attend. If, therefore, there are workers who do not already receive notices of the meetings of the Radiation Research Visiting Club, either as individuals or through a group with which they are working, but would like to receive such notices, they should inform Dr. L. F. Lamerton at the Physics Department (Downs Branch), Royal Marsden Hospital, Clifton Avenue, Belmont, nr. Sutton, Surrey, where the next meeting of the Club will be held in November.

#### Animal Health Trust Educational Awards

THE Animal Health Trust awards for the period 1957-58 include the following: *Wellcome Fellowships*: L. F. Taffs (Downing College, Cambridge), to study immune reactions of pigs to worm parasites, particularly *Ascaris lumbricoides*, under Prof. W. I. B. Beveridge at the Department of Animal Pathology, School of Veterinary Medicine, Cambridge; J. S. M. Hutchinson (Nottingham University School of Agriculture), to carry out a quantitative evaluation of changes in gonadotrophin levels in the pituitary gland of the ewe in reproductive states by means of a biological assay in conjunction with cytological studies, under Dr. H. A. Robertson, at the Biochemistry Section, Department of Agricultural Science, University of Nottingham; P. J. McCosker (University Veterinary School, Brisbane, Australia), to study aspects of copper metabolism in bovine blood at the Department of Clinical Studies, Cambridge, under Prof. L. P. Pugh. *Research Training Scholarships*: F. A. Harrison (University of Liverpool), to take an honours course in physiology in the Department of Physiology, University of Liverpool, under Prof. R. A. Gregory; D. F. Kelly (University of Bristol), for further studies in the Department of Pathology, Cambridge, under Prof. H. R. Dean; D. B. Ross (Trinity College, Cambridge), to study the mineral metabolism of sheep with particular reference to mechanisms responsible for homeostasis, at the Department of Animal Pathology, Cambridge, under Prof. Beveridge.

#### Physics of Elementary Particles

A SYMPOSIUM on the physics of elementary particles was held during July 15-30 at Buenos Aires and La Plata, Argentina. The symposium was sponsored by Unesco, the Argentine Atomic Energy Commission and the Universities of Buenos Aires and La Plata, and was attended by physicists from Argentina, Brazil, Chile, Bolivia, Uruguay and other South American countries. Dr. B. Cork was invited from Berkeley, California, and Prof. Abdus Salam from the United Kingdom. An attempt was made to survey the entire theoretical and experimental development of elementary particle physics. There were, in addition, a number of original communications from various delegates. The success of the symposium was due to the hospitality of the Argen-

tine Atomic Energy Commission and the efforts of the organizing committee, which consisted of Profs. E. D. Galloni, J. J. Giambiagi, J. G. Roederer, and J. F. Westerkamp.

#### Conference on the Mechanical Properties of Non-Metallic Brittle Materials

FOR some years the National Coal Board's Mining Research Establishment at Isleworth, Middlesex, has been studying the properties of coal with the view that greater understanding of the material will aid the development of improved techniques for mining and handling it. Parallel work is being started on coal measure rocks in relation to methods of breaking them down, and of controlling the strata around mining excavations. The work includes development of test methods whereby these materials can be classified and described in a way which will guide the mining engineer in his choice of methods of working, and also laboratory studies of breakage under various patterns of applied stress with the object of developing improved mining techniques. A particular difficulty in this work, as in that on other brittle materials, lies in the variability of behaviour necessitating a statistical approach. It is felt that many of the problems are common to research in other substances, road and building materials, for example, or glass and ceramics. It is therefore planned to hold a Conference on the mechanical properties of non-metallic brittle materials at the Mining Research Establishment on April 1 and 2, 1958, with papers by National Coal Board staff and invited contributions from other organizations. The programme, arranged in consultation with the Building Research Station of the Department of Scientific and Industrial Research, includes strength in compression, tension, bending and shear; elastic properties and liability to creep; dynamic and repeated loading including shock waves, crack propagation and the effects of impact; the action of tools including wedge penetration normal and parallel to the surface, friction and abrasion. It is intended to circulate papers in advance and to introduce them very briefly at the Conference so that a maximum proportion of the time can be spent in discussion.

#### Zoological Nomenclature

THE International Commission on Zoological Nomenclature gives notice that, as from February 26, 1958, it will start voting on the following cases involving the possible use of its plenary powers for the purposes specified against each entry. Full details of these cases were published on August 26 in the *Bulletin of Zoological Nomenclature* (12, Part 12, and 13, Part 8): (1) *parvula* Mörch, 1863 (*Aplysia*), validation (Cl. Gastropoda); (2) *Anodonta* Lamarck, 1799, validation (Cl. Pelecypoda); (3) *padi* Linnæus, 1758 (*Aphis*), validation (Cl. Insecta, Order Hemiptera); (4) and (5) *lineata* Young and Bird, 1828 (*Terebratula*), and *subconcinna* Davidson, 1852 (*Rhynchonella*), interpretation (Cl. Brachiopoda); (6) *anonyma* Lewis, 1872 (*Limnitis*), suppression (Cl. Insecta, Order Lepidoptera); (7) *obtusa* Montagu, 1803 (*Bulla*), validation (Cl. Gastropoda). A proposal is also made for the adoption of a declaration clarifying the status of adjectival specific names consisting of partly Latinized words. Comments should be sent as soon as possible in duplicate to Francis Hemming, Secretary to the Commission, 28 Park Village East, Regent's Park, London, N.W.1.