

endothelial cells. It would appear that they then usually move parallel to the endothelium until they gain exit to the surrounding connective tissue. The granules of the polymorphs do not seem to undergo any changes during migration. Monocytes behave in the same way as polymorphs. Vacuoles of unusual appearance are seen in the endothelium after ultra-violet stimulation but not after mechanical 'insult'.

#### Chalk River Atomic Energy Instrumentation Conference

THE complete set of five parts of the proceedings of the Sixth Tripartite Instrumentation Conference, which was held at Chalk River, Ontario, during April 20-24, 1959, is now available (Edited by J. E. Woolston and S. J. Townsend. Part 1: *Reactor Instruments*. Pp. xi+214. 5 dollars. Part 2: *Radiation Dosimetry*. Pp. xi+145. 3 dollars. Part 3: *System and Component Reliability*. Pp. viii+19. 1 dollar. Part 4: *Instruments for Nuclear Physics*. Pp. xi+212. 5 dollars. Part 5: *Radiation Detectors*. Pp. ix+76. 2 dollars. Chalk River, Ontario: Scientific Document Distribution Office, Atomic Energy of Canada, Ltd., 1960. 15 dollars the set). The participants consisted of members of the United Kingdom Atomic Energy Authority, Atomic Energy of Canada, Ltd., and various scientific and industrial laboratories in the United States of America. Some of the articles are abbreviated, but the discussions are given in full. Part 1 (thirty-one contributions) deals with reactor instruments and includes brief reviews of reactor instrumentation practice in the United Kingdom and at Savannah River. In the first three articles in Part 2 (twenty-nine contributions), which is concerned with radiation dosimetry and health instruments, descriptions are given of the health-physics instrumentation at the Brookhaven National Laboratory and at the Hanford Atomic Products Operation, Richland, and of radiation dosimetry at Chalk River. Part 3 (five contributions) on system and component reliability includes a summary of the reliability performance of equipment at Harwell during 1953-56, and an analysis of the component failure at Chalk River during 1956-59. A wide range of electronic, including transistorized, equipment is covered in Part 4 (thirty-three contributions), which deals with instruments for nuclear physics, and in Part 5 (fourteen contributions), on radiation detectors, various forms of ionization chambers, fission chambers, scintillation counters and semi-conductor radiation detectors are described.

#### Artificial Earth Satellites

THE memoir, "Artificial Earth Satellites", recently issued by the Radio-Electronics Section of the British Astronomical Association (39, No. 2; August 1961. Pp. viii+160. Hounslow West, Middx.: British Astronomical Association, 1961. 20s.; 3 dollars), is divided into two sections. The first section (contributed by J. Heywood) is devoted, first, to an introductory survey of Earth satellites; and secondly, to a historical review of the radio measurements made by members of the British Astronomical Association and Radio Society of Great Britain on *Sputniks 1 and 2*. The second section (contributed by various authors) is concerned with the techniques of visual and photographic satellite observation, the use of charts for the prediction of satellite positions and the graphical derivation of apparent tracks for satellites. The memoir, compiled and edited by J.

Heywood, should be of interest to all amateur observers of artificial Earth satellites.

#### University News:

London

THE title of professor of theoretical physics has been conferred on Dr. P. T. Matthews, in respect of his post at the Imperial College of Science and Technology. The following have been appointed to readerships: Dr. K. A. Kermack, vertebrate palaeontology at University College; C. H. Lack, bacteriology at the Institute of Orthopaedics; Dr. J. E. Prentice, geology at King's College; Dr. M. Schacter, physiology at University College; Dr. Gordon Smith, virology at the London School of Hygiene and Tropical Medicine; Dr. Maynard Smith, zoology at University College; Dr. G. L. Watson, mathematics at University College.

The Research Report 1958-61 of the City and Guilds College gives a very readable account of the work carried out in the five engineering departments of the Imperial College of Science and Technology—Aeronautics, Chemical Engineering and Chemical Technology, Civil Engineering, Electrical Engineering and Mechanical Engineering (Pp. v+96. London: Imperial College of Science and Technology, City and Guilds College, 1961). While the account makes clear the importance of the contribution of the College to present-day technological advances, it is left for the reader who is interested in particular researches to approach the relevant Department direct for further information. No names of those responsible for the various researches are given, nor is a list of published papers included.

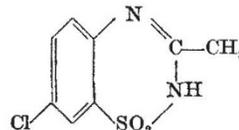
#### Announcements

THE Imperial Forestry Institute at Oxford has been re-named the Commonwealth Forestry Institute.

THE next symposium of the Society for the Study of Development and Growth will be held during June 24-27, 1962, at "Asilomar", Pacific Grove, Monterey Peninsula, California. The subject of the symposium will be "Cytodifferentiation and Macromolecular Synthesis".

THE Council for Nature is organizing two seven-day courses on natural history at its Brantwood Centre, Coniston, Lancs, during May 12-19 and May 19-26. The courses are intended primarily for amateur naturalists. Further information can be obtained from Stanley Jeeves, Council for Nature, Brantwood, Coniston, Lancs.

ERRATA. The structural formula of 3-methyl-7-chloro-1,2,4-benzothiadiazine-1,1-dioxide (SRG 95213) was misrepresented in the letter entitled "A Non-diuretic Benzothiadiazine with Anti-hypertensive Properties" which appeared on p. 176 of the October 14 issue of *Nature*. The correct formula is:



IN the communication entitled "Preparation and Determination of Sulphosalicylo-soluble Proteins using Tannin", by Prof. W. Mejsbaum-Katzenellenbogen *et al.*, in *Nature* of October 21, p. 262, par. 2, last line, for "an appropriate conversion factor should be used" read "no conversion factor should be used".