

Metallurgy; III. Mechanical and Process Metallurgy; and IV. Design and Application of Beryllium Structures.

In the latter portion of the conference, we see actual production structures and examples of the engineering design of complex shapes in a material which has many property disadvantages which had to be circumvented.

The conference was attended by a broad segment of international scientists and engineers and therefore constitutes an excellent summary of the current state of beryllium technology.

C. V. R.

Transients in Power Systems. By Harold A. Peterson. (Dover Publications, Inc., 180, Varick Street, New York, N.Y. 10014), 1966. Pp. xi + 361. Price \$ 3.00.

This Dover edition, first published in 1966, is an unabridged and slightly corrected republication of the work originally published by John Wiley and Sons, Inc., New York, in 1951.

The contents of this book are: 1. Overvoltages during Power System Faults; 2. Effect of Saliency on Overvoltages during Faults; 3. System Voltage Recovery Characteristics—Fundamental Concepts; 4. System Voltage Recovery Characteristics—Miniature-System Approach; 5. Effects of Arc Restriking on Recovery Voltage; 6. Switching Surges—Capacitive Circuits; 7. Switching Surges and Overvoltage Arrester Discharge Requirements; 8. Overvoltages Caused by Sudden Loss of Load; 9. Overvoltages Caused by Open Conductors; and 10. Some Additional Non-Linear Circuits.

C. V. R.

High Vacuum Technology. By L. Ward and J. P. Bunn. [Butterworth and Co. (Publishers) Ltd., 88, Kingsway, W.C. 2, London], 1967. Pp. 216. Price 48 sh.

The book is a readable and dependable introductory text on the theory and practice of vacuum technology. It presents a general survey of the principles underlying vacuum technology, and includes modern trends in the development and applications of high vacuum techniques. The earlier chapters deal with the general theory of gaseous flow, and the production and measurement of low pressure. These are followed by chapters on construction of vacuum systems, their operation and design, and leaks and leak detection. The chapter on applications includes vacuum coating, manufacture of filament lamps, discharge lamps, and electron tubes, use of vacuum technique in

metallurgical processes, and simulation of outer space and high altitude environments.

The book is profusely illustrated and it can be recommended as a suitable introductory textbook to under-graduate students in colleges of technology, and also to laboratory workers dealing with high vacuum problems. A. S. G.

Books Received

The Gaseous State. By N. G. Personage. (Pergamon Press, Oxford), 1966. Pp. xvi + 170. Price 18 sh. 6 d.

Physical Principles of Magnetism. By F. Brailsford. (D. Van Nostrand Co., Ltd., London W. 14), 1966. Pp. x + 274.

Introduction to Microscopy. By G. W. White. [Butterworth and Co. (Publishers), London W.C. 2], 1966. Pp. vii + 255. Price 30 sh.

Vibrations, Waves and Diffraction. By H. J. J. Braddick. [McGraw-Hill Publishing Co., Ltd., Maidenhead, Berkshire (England)], 1965. Pp. x + 217. Price 36 sh.

Engineering Kinematics. By Alvin Sloane. (Dover Publications, New York), 1966. Pp. 310. Price \$ 2.25.

The Theory of Equilibrium of Elastic Systems and its Applications. C. A. Pio Castigliano. (Dover Publications, New York), 1966. Pp. lxiv + 360. Price \$ 3.00.

Microwave Spectroscopy. By W. Gordy, W. V. Smith, R. F. Trambarulo. (Dover Publications, New York), 1966. Pp. xii + 446. Price \$ 3.00.

A Simple Approach to Electronic Computers (2nd Edition). By E. H. W. Hersee. (Gordon and Breach, New York), 1967. Pp. xi + 261. Price \$ 7.50.

ANNOUNCEMENTS

Award of Research Degrees

Andhra University has awarded the Ph.D. degree to the following: (Mrs.) D. V. Lalitha (Physics) and Sri. C. V. Reddy Sastry (Chemistry).

Sri Venkateswara University has awarded the Ph.D. degree to the following: Sri. S. Raghupathi Rami Reddy (Zoology), Sri. C. V. R. K. Prasad (Geology), Smt. A. V. Satyavati (Physics) and Smt. Nayeemunnisa (Zoology).

Roster of Indian Scientific and Technical Translators

This Roster compiled by the Indian National Scientific Documentation Centre (INSDOC) contains the names and addresses of 603 translators in India who are proficient in one or

more of 28 foreign languages (other than English and the Indian languages) for translation work of scientific and technological subjects. The purpose of the publication is to assess the translation potential in India which has become necessary with the rapid developments in science and technology taking place in the country.

The *Roster* is not a priced publication. Interested libraries and institutions can get a copy free of cost on request to the Director, Indoc, Hillside Road, New Delhi-12.

Second FAO Technical Conference on Fishery Research Craft

The above conference will be held at the Pacific Science Centre, Seattle, Washington, U.S.A., on 11-15 December 1967. The theme of the Conference is *Modern Fishery Research Craft*. The emphasis will be on unusual, advanced and integrated craft for fisheries research and especially how problems in data collection and data processing can be solved. Call for papers has been issued and further information can be obtained from Mr. Jan-Olof Traung, Chief, Fishing Vessel Section, Fishery Resources and Exploitation Division, FAO, Rome, Italy.

Fourth International Conference on Atmospheric Electricity

The Fourth International Conference on Atmospheric Electricity will be convened in Tokyo from May 12 to 18, 1968. It is planned to hold a one-day joint session on "Space Electricity" with COSPAR, which will also meet in Tokyo at that time.

Chairman S. C. Coronith (AVCO Corporation, Space Systems Division, 201, Lowell Street, Wilmington, Mass. 01887, U.S.A.), invites participants to submit concise, but complete papers not later than 15 September 1967.

Czechoslovak Society of Arts and Sciences in America

Preparations are under way for the Fourth Congress of the Society which will be held in the late summer or early fall of 1968. Requests for information concerning the forthcoming Congress or other activities of the Society, including its publication, may be addressed to Dr. M. Recheigl, Jr., 1703, Mark Lane, Rockville, Md. 20852, U.S.A.

World Action for Population Control

Population control, a matter of top priority for India, is getting the determined attention of

the pharmaceutical industry of the world. Pre-eminent in this field are The British Drug Houses Ltd. Lt.-General S. P. Bhatia, Vice-Chairman of B.D.H. India, who has just returned from the U.K. where he acquainted himself with the latest developments in the family planning techniques and met leading authorities on the subject, said that the safety and effectiveness of new contraceptives are under constant and rigid study. "The key to solving the problem of over-population" feels General Bhatia, "lies with world governments who are sufficiently far-seeing to appreciate the urgency of the threat of population explosion". The B.D.H.'s expansion plans in India for pharmaceutical chemicals include manufacturing facilities for the steroid megestrol acetate which is an active constituent in their oral contraceptives (*British Drug Houses News*).

Lady Tata Memorial Trust: Scholarships and Grants for the Year 1967-68

The Trustees of the Lady Tata Memorial Trust announce on the death anniversary of Lady Meherbai Dorabji Tata, 18th June 1967, the awards of scholarships and grants for the year 1967-68.

International Awards of varying amounts (totalling £ 6,200) for research in diseases of the blood with special reference to Leukaemias are made to: Dr. V. Balazs (Holland); Dr. M. Frohlich (Holland); Dr. R. Hancock (Switzerland); Dr. L. Mazzarella (Italy); Dr. J. Reviron (France); Dr. D. Viza (France); Dr. (Mrs.) E. Davidson (Great Britain); and Miss A. M. Tomkys (Great Britain).

Indian Scholarships of Rs. 300 per month each for one year for scientific investigations having a bearing on the alleviation of human suffering from disease are awarded to: Dr. (Miss) Usha C. Parekh (Bombay); Dr. Anjan Chakraborty (Kanpur); Dr. M. K. Jain (Bombay); Mr. C. Dwivedi (Gorakhpur); Mr. H. Sheik Alludeen (Bangalore); Mrs. Mohini A. Jayavant (Bombay); and Miss K. N. Rangnekar (Bombay).

Correction

Several typographical corrections could not be included at the last stage in the article "Fourier Treatment of the Anomalous Dispersion Corrections in X-Ray Diffraction Data" by R. Srinivasan and K. K. Chacko, published in *Curr. Sci.*, June 5, 1967, page 279. Corrected copies are available as reprints and can be had from the authors.