

the past few years in which instrument-bearing rockets have been used to probe and describe regions between 10 and 136 miles above sea level. Following the meeting, delegates will visit Manchester, Bristol, or Durham Universities in connection with specialized aspects of the work. Communication regarding the conference should be addressed to Professor H. S. W. Massey, Department of Physics, University College, Gower Street, London WC 1, England.

Modern Physics

5th Oak Ridge Summer Symposium

The Fifth Annual Oak Ridge Summer Symposium will be held August 24-29 and will consist of several lectures on modern physics within the general fields of mesons and ultra-high-energy phenomena on the one hand and electromagnetic radiations on the other. This will be the second in the series of annual symposia to be devoted to physics. Speakers will include: Jesse W. DuMond, California Institute of Technology; Ralph Livingston, J. Rand McNally, and T. A. Welton of the Oak Ridge National Laboratory; M. Stanley Livingston, Massachusetts Institute of Technology; and J. Steinberger, Columbia University. Specific subjects to be covered include mesons, cosmic rays, micro-wave, infrared and optical spectra, gamma ray spectroscopy, quadrupole moments, and quantum electrodynamics. The symposia are sponsored jointly by the Oak Ridge National Laboratory and the Oak Ridge Institute of Nuclear Studies. Additional information may be obtained from the University Relations Division of the Institute, P.O. Box 117, Oak Ridge, Tennessee.

Numerical Analysis

Applied Mathematics Symposium

The Sixth Symposium on Applied Mathematics of the American Mathematical Society will be held at Santa Monica City College, Santa Monica, California, August 26-28. The program will include expository papers on the various branches of numerical analysis as well as more detailed accounts of research in specific problems. Inquiries concerning the symposium should be addressed to D. H. Lehmer, chairman of the Committee on Arrangements, Institute for Numerical Analysis, 405 Hilgard Avenue, Los Angeles 24, California.

APS Summer Meeting

Albuquerque in September

The 1953 Summer Meeting of the American Physical Society will be held in Albuquerque, New Mexico, September 2-5, with sessions to be held at the University of New Mexico. Among the invited speakers are the following: C. D. Anderson, E. F. Cox, E. Fermi, W. A. Fowler, M. Goldhaber, B. L. Henke, R. E. Holzer, W. C. Koehler, L. M. Langer, R. B. Leachman, R. W. Spence, R. F. Taschek, M. S. Vallarta, W. D. Walker, F. L. Whipple, M. S. Wilkinson, and E. J. Workman.

SPECIAL COSMOTRON ISSUE

The September 1953 issue of the REVIEW OF SCIENTIFIC INSTRUMENTS will be devoted to a series of articles on construction and operation of the Brookhaven Cosmotron. The articles will be written by those who designed, built and are now operating the Cosmotron. The following articles have already been scheduled:

THE MAGNET

- Part I —Design
- Part II —Magnetic Measurements
- Part III—Mechanical Design, Fabrication & Erection
- Part IV—Testing Program
- Part V —Coil
- Part VI—Power

Authors: J. P. BLEWETT, M. H. BLEWETT, G. K. GREEN, W. H. MOORE, L. W. SMITH, R. KASSNER, R. A. MEYER, J. M. KELLY, J. A. KOSH, M. S. LIVINGSTON, E. E. SHELTON.

THE POLE-FACE WINDINGS

- Part I —Design
- Part II—Fabrication

Authors: J. P. BLEWETT, M. H. BLEWETT, L. W. SMITH, J. J. MEDE.

THE R-F SYSTEM

- Part I —Design Principles
- Part II —Frequency Control
- Part III—Power Amplifier
- Part IV—Accelerating Unit
- Part V —Properties of Ferrites

Authors: J. P. BLEWETT, E. J. ROGERS, C. E. SWARTZ, M. PLOTKIN, L. C. L. YUAN, M. H. BLEWETT.

THE INJECTION SYSTEM

- Part I —Injection Optics
- Part II—Van de Graaff Injector

Authors: J. G. COTTINGHAM, E. J. ROGERS, C. M. TURNER, W. H. MOORE.

THE VACUUM SYSTEM

- Part I —Vacuum Chamber
- Part II—Pumping System

Authors: D. D. JACOBUS, I. J. POLK, D. KASSNER, C. LASKY.

THE CONTROL SYSTEM

- Part I —Central Control & Wiring
- Part II —Master Timer
- Part III—Peakers
- Part IV—Pick-Up Electrodes

Authors: G. K. GREEN, R. KASSNER, E. W. DEXTER, E. J. ROGERS, C. E. SWARTZ.

Eddy Current Phenomena in the Cosmotron,
M. H. BLEWETT.

Single copies available at \$1.00 each. A 10% discount will be allowed on all orders received prior to August 31, 1953.

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