

Chemical Engineers and the Institute of Physics. During the two-day, five-session symposium there will be opportunities to hear two of Britain's foremost atomic energy experts—Sir John Cockcroft, director of the British Atomic Energy Research Establishment, and Sir Christopher Hinton, managing director of the Industrial Group of the Atomic Energy Authority. Papers and discussion will review details of the design, construction, and operation of the plant.

The Calder Hall station started feeding power into Britain's national electricity grid on October 17th, when it was officially opened by the Queen. By next spring the plant is expected to be able to supply 92 megawatts of electricity.

Instrumentation

INDUSTRIAL, radiological, aircraft, and laboratory instrumentation as well as the application of solid-state devices will be the feature topics covered at the 2nd IRE Instrumentation Conference scheduled for December 5-7 in Atlanta, Ga. Thirty papers authored by 38 authorities in the field of instrumentation will be presented at this year's conference, which is to be held in the Atlanta Biltmore Hotel. More than one thousand specialists in instrumentation attended the first IRE Instrumentation Conference in Atlanta last fall. This year's conference is sponsored by the same groups that sponsored the 1955 conference—the Atlanta Section and the Professional Group on Instrumentation of the Institute of Radio Engineers. Over one hundred electronic manufacturing companies will be represented in an exhibit to be held during the meeting. For further information concerning the conference contact Robert B. Wallace, Jr., Georgia Tech Engineering Experiment Station, Atlanta 13, Ga.

American Nuclear Society

ACCUMULATION of material "resulting from the rapid growth of unclassified research in the atomic-energy field" has led to the scheduling of a winter meeting of the American Nuclear Society, to be held December 10-12 in the Sheraton-Park Hotel in Washington, D. C. The Society, formed two years ago as a single organization encompassing all the professional disciplines of science and engineering applying to research and development in atomic energy, now has some 1500 members. For details concerning the meeting write to the Information Department, American Nuclear Society, Inc., P.O. Box 963 Oak Ridge, Tenn.

AAAS New York Meeting

THE 123rd meeting of the American Association for the Advancement of Science will be held December 26-31 in New York City and will include some 325 sessions of all 18 AAAS Sections and of more than eighty participating organizations.

The committee on AAAS meetings has established

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Applications are invited for the position of Reader in Physics. The Reader will assist the Professor in the direction of a laboratory concentrating on problems in high energy nuclear physics using cosmic rays and overseas accelerators. Salary for a Reader is £2,350 per annum, plus cost of living adjustment (£52 men, £39 women), and is subject to deductions under the State Superannuation Act. Finance available for home purchase to married male members of staff. Applications, giving the names of three referees, should be forwarded to reach the undersigned, from whom further information may be obtained, not later than 15th December, 1956.

S. Weir Wilson
Acting Registrar

TRANSLATORS

of European, especially Russian, and Far East languages, in all branches of Physics and Engineering, particularly nuclear phenomena. Full time or freelance. Applicants must be experienced subject specialists with fluency in English and given foreign language. Replies held confidential. Submit resume to: A.T.S., Box 271, East Orange, New Jersey.

Academic Position Available to teach undergraduate physics in a liberal arts and science college. Rank and salary depend upon qualifications. February, 1957 or September, 1957. Apply to: Dean, College of Arts and Sciences, Duquesne University, Pittsburgh 19, Pennsylvania.

OPENING

For a responsible individual as Assistant in Radiology for work in Isotope Laboratory. Academic appointment; research opportunity; minimum salary \$5,500. Minimum requirements: B.S. in Physics. Some experience desired. Submit replies to Walter S. Moos, Ph.D., Department of Radiology, University of Illinois, 840 S. Wood Street, Chicago 12, Illinois.

FACULTY POSITION. Teaching graduate and undergraduate courses; directing masters research. Salary and rank open. Dr. John K. Wood, Physics Dept. Utah State Agricultural College, Logan, Utah.

POSITION WANTED

Mathematical Physicist, Ph.D., 1 year experience in reactor physics with well known industrial research group, tri-lingual, desires position in western Europe. Government or private industry considered. Send detailed description of position to Box 1156A, Physics Today, 57 East 55 Street, New York 22, New York.

the policy that each annual meeting of the Association should include and emphasize programs important to science as a whole. The "Moving Frontiers of Science" program,—an integrated critique of significant recent developments in the sciences which is planned for the 1956 meeting, was decided upon at a joint conference of the committee and of the officers of the 18 AAAS Sections. All Sections and most participating societies have left free the two afternoons of December 27 and 28 so that all those interested may attend an AAAS general symposium on Fundamental Concepts and Units of Science in the ballroom of the Hotel Statler. The first part of the symposium (2 PM, Dec. 27) will include a panel discussion and three invited papers: The Physical Sciences, Jerrold R. Zacharias, Massachusetts Institute of Technology; The Biological Sciences, Ralph W. Gerard, University of Michigan; and The Social Sciences, Robert MacLeod, Cornell University. The second part of the symposium, on Friday, includes a paper entitled "Fundamental Concepts and Units of Science: A Synthesis", by Michael Polanyi of the University of Manchester, England, and a concluding discussion by panel members and speakers.

Other sessions likely to be of interest to physicists are listed below:

Wednesday Afternoon, Dec. 26

1:00 PM, East Room, Hotel Martinique. Symposium, Optical Absorption in Solids. Program of AAAS Section B (Physics), cosponsored by Sigma Pi Sigma. (Papers by H. Broida and A. A. Bass, E. Burstein, D. H. Dieke, and H. W. Morgan.)

1:30 PM, Mirror Room, Hotel Martinique. Symposium, Optics and Oriented Nuclei. Program of AAAS Section B, cosponsored by Sigma Pi Sigma. (Papers by W. B. Hawkins and P. Bender.)

4:00 PM, East Room, Hotel Martinique. Vice Presidential Address of Section B, by A. T. Waterman.

5:00 PM, East Room, Hotel Martinique. Vice Presidential Address of Section A (Mathematics), by T. Rado.

Thursday Morning, Dec. 27

9:00 AM, East Room, Hotel Martinique. Symposium, Diffusion in Solids, Part I. Program of Section B, cosponsored by Sigma Pi Sigma. (Papers by D. Lazarus, D. Turnbull, and F. J. Morin.)

Friday Morning, Dec. 28

9:00 AM, East Room, Hotel Martinique. Symposium, Diffusion in Solids, Part II. (Papers by F. E. Jaumot, H. W. Etzel, A. Nowick, and N. Nachtrieb.)

Saturday Morning, Dec. 29

9:00 AM, East Room, Hotel Martinique. Symposium, Crystal Growth, Part I: Growth from the Melt. Program of AAAS Section B, cosponsored by Sigma Pi Sigma. (Papers by B. Chalmers, W. G. Pfann, W. C. Dash, W. A. Tiller, and G. W. Sears.)

Saturday Afternoon, Dec. 29

2:00 PM, East Room, Hotel Martinique. Symposium, Crystal Growth, Part II: Growth of Whiskers. (Papers by N. Cabrera, G. W. Sears, S. S. Brenner, R. G. Treuting and S. N. Arnold, R. V. Coleman, and R. L. Eisner.)

Saturday Evening, Dec. 29

8:30 to 11:00 PM, Ballroom and adjacent rooms,
Hotel Statler, AAAS Smoker.

Communication Theory

BOSTON University and the Air Force Cambridge Research Center will cosponsor a Symposium on Communication Theory and Antenna Design to be held January 9-11, 1957, at Hillel House, Boston University, Boston, Mass. The Symposium's purpose is to acquaint antenna designers with the techniques of communication theory. This is to be accomplished by outlining the mathematics of the theory and pointing to its application in the fields of electronics, optics, and microwaves. For information, write to Miss Alice Cahill, Air Force Cambridge Research Center, Air Research and Development Command, Laurence G. Hanscom Field, Bedford, Mass., Attention: CRRD.

Third Carbon Conference

SEVERAL sessions of contributed papers and a special symposium entitled "From Benzene to Graphite" will be included in the program of the Third Conference on Carbon, to be held June 17-20, 1957, at the University of Buffalo. Sessions have been scheduled under the following headings: Electronic Properties of Carbons; Mechanical and Thermal Properties of Carbons; Carbonization, Coking, and Graphitization; Interstitial Compounds, Imperfections, and Irradiation Effects; Surface Properties; Gas Reactions and Coatings; and Carbon Processing. The last session will include carbon-bonded ceramic materials. Papers on carbon blacks and on x-ray diffraction will be distributed over the different sessions. The meeting will be held in the new physics laboratories on the University campus. Authors wishing to present papers are asked to submit abstracts (200 words, 2 copies) before March 15, 1957, to the Carbon Conference, University of Buffalo, Buffalo 14, N. Y., and to indicate the time required for presentation.

The conference is cosponsored by the University of Buffalo, the National Science Foundation, and the U. S. Office of Naval Research. It is planned that the conference *Proceedings* be published.

Low-Temperature Conference

PRELIMINARY plans are now being formulated for holding the Fifth International Conference on Low-Temperature Physics and Chemistry at the University of Wisconsin from August 26th to 31st, 1957. The previous four international low-temperature conferences were held at Cambridge, Mass. (1949), Oxford, England (1951), Houston, Texas (1953), and Paris, France (1955). For additional information (when it becomes available) concerning next year's conference, contact Professor Joseph R. Dillinger, Department of Physics, The University of Wisconsin, Madison 6, Wis.

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