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Meetings

Photonuclear Conference

Some sixty physicists met at the University of Pennsylvania May 3 and 4 to discuss the interaction of high-energy electromagnetic radiation with nuclei (below the meson threshold). Twenty-seven institutions were represented and several visitors were from abroad.

Of particular interest were the proposal by D. H. Wilkinson (Cambridge University; visiting professor at the University of Pennsylvania April and May) of a single particle type model of the giant photonuclear resonance involving the dipole excitation of particles from the top closed shells, the reports from the National Bureau of Standards of the nuclear absorption experiments of H. W. Koch and the elastic scattering experiments of E. G. Fuller and E. Hayward, the account by P. Morrison (Cornell) of the considerable amount of general theory not using specific nuclear models, and the comprehensive summary by V. Weisskopf (MIT) concluding that interesting and fundamental problems of nuclear structure are being approached by photonuclear research.

The two-day session was opened by G. P. Harnwell, President of the University of Pennsylvania, and included papers on the fine structure in photoneutron yield curves observed by L. Katz (Saskatchewan) and A. S. Penfold and B. M. Spicer (University of Illinois), on "Photo particle emission" by J. Levinger (Louisiana State University), "Isotopic spin considerations" by V. L. Telegdi (University of Chicago), and "Systematics of giant resonances" by J. Halpern (University of Pennsylvania).

The meeting was enlivened by considerable discussion both during the papers and in the discussion periods led by P. Axel, L. Katz, D. W. Kerst, M. Goldhaber, D. H. Wilkinson, and J. Levinger. Additional reports were made on inelastic electron scattering by D. W. Kerst (University of Illinois) and W. C. Barber (Stanford University), on photon scattering by R. Sagane (University of California) and A. Wattenberg (MIT), on photo particle emission by D. Zaffarano (Iowa State), J. Rosengren (MIT), and P. C. Gugelot (Princeton University), on light nuclei photodisintegration by E. F. Shrader (Case Institute of Technology) and D. H. Wilkinson (Cambridge University), on the collective model of giant resonances by M. Ferentz (Argonne), and on the cross section curve of the photoneutrons from carbon and copper by W. C. Barber (Stanford).

A summary of the proceedings is being prepared by Paul Yergin, Physics Department, University of Pennsylvania, for distribution to those attending. A few additional copies may be available for others interested.

William E. Stephens
University of Pennsylvania

Combustion


The fifth International Symposium on Combustion will be held this year at the University of Pittsburgh, August 30 through September 3, under the auspices of the Standing Committee on Combustion Symposia. The fourth Symposium, held in 1952 at MIT, considered the physical aspects of combustion, particularly combustion wave phenomena and turbulence; this year's program will emphasize chemical aspects, including the kinetics of combustion processes, unsolved problems in a variety of combustion engines, scale effects, space requirements, structure of combustion waves, theory of combustion limits, and other topics. The third and fourth symposia papers were published in single volumes selling at a low prepublication price made possible by the underwriting of the publication with funds supplied by industry. It is planned that papers of the 1954 symposium will be published in a similar form. Additional information about the meeting can be obtained from the Director of the Summer Session, University of Pittsburgh, Pittsburgh 13, Pennsylvania.

Nuclear Science

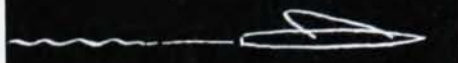
The Institute of Radio Engineers Professional Group on Nuclear Science will hold its first National Annual Meeting in Chicago, October 6-7, at the Sherman Hotel. The first day's session will coincide with the last day of the National Electronics Conference. The program will be divided into four sessions of invited and contributed papers: nuclear medical electronics, general nucleonic instrumentation, European and American reactor technology, and European and American particle accelerator technology. For further information, write to S. J. Goslovich, 517 Forest Avenue, Glen Ellyn, Illinois.

Gaseous Electronics

The seventh annual Gaseous Electronics Conference will take place October 14-16 in the auditorium of Vanderbilt Hall on the Washington Square campus of New York University. The meeting is sponsored jointly by the Division of Electron Physics of the American Physical Society and by the NYU College of Engineering, which will be celebrating the one hundredth anniversary of its founding. The program will consist of contributed and invited papers on the physics of gas discharge phenomena. Further inquiries should be directed to the Conference Secretary, L. H. Fisher, New York University, New York 53, N. Y.

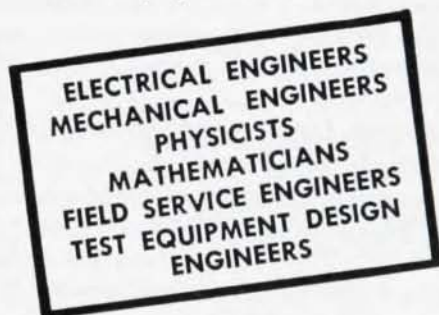


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