

One additional matter of general interest, besides that of future conferences, came up at the June meeting: the question of methods of following the Russian scientific literature. Professor Mott, and the Commission on Publications of the Union, have been looking into the possibility of having an annual set of review articles, summarizing the Russian literature of the preceding year in a number of important fields, and published in some appropriate way. Plans for this review are still in an early stage, but it seems possible that the *Nuovo Cimento* might be interested in publishing it as a supplement. Publication would be in English and French. The Executive Committee authorized Professor Mott and the Commission on Publications to proceed with plans for this annual review.

The Union of Physics has in each country a National Committee, which handles the relations of that country with the Union. The officers of the U. S. National Committee are J. C. Slater, chairman, R. B. Brode, vice-chairman, and H. A. Barton, secretary. Other members are S. S. Ballard, R. H. Bolt, F. H. Crawford, K. K. Darrow, R. C. Gibbs, W. V. Houston, H. H. Nielsen, and J. A. Wheeler.

J. C. Slater

Massachusetts Institute of Technology

APS at Denver

Summer Meeting was the 314th

Well over three hundred members of the American Physical Society took part in the 1952 Summer Meeting which was held this year in Denver from June 30 to July 3. The various sessions were held at two hotels (the Shirley-Savoy and the Cosmopolitan) and on the campus of the University of Denver. The program for the first two days included more than one hundred contributed papers divided among nine sessions, and fourteen invited papers were presented. The two remaining days of the meeting were given over largely to a symposium on upper atmospheric physics and three panel discussions, two of which dealt with cosmic-ray research and the third with a continuation of the symposium topics. The Society's banquet, with APS Vice President Enrico Fermi presiding, was held on the evening of July 1st in the Student Union of the University of Denver where those attending were welcomed by Lieutenant Governor Allot of Colorado and by Mayor Newton of Denver. Manuel Sandoval Vallarta of the University of Mexico, who gave an account of physics in Mexico following the banquet, took that occasion to extend an invitation to the Society to meet in Mexico City in June 1955.

J. A. Van Allen of Iowa State University presided at the symposium on temperature, composition, and motions of the upper atmosphere and also presented one of the session's five papers. The remaining four symposium papers were given by L. A. Manning of Stanford University, A. G. McNish of the National Bureau of Standards, H. Newell, Jr. of the Naval Research Laboratory, and L. M. Jones of the University of Michi-

gan. The related panel discussion (on composition, winds, pressures, and temperatures of the upper atmosphere) was led by J. Kaplan of the University of California at Los Angeles, the Society's local secretary for the West Coast. Enrico Fermi of the University of Chicago and Bruno Rossi of the Massachusetts Institute of Technology were the discussion leaders respectively for the panel on cosmic-ray components and for that on new unstable particles found in the cosmic radiation.

The panel discussions were well attended and favorably received, according to all reports, and it is expected that more sessions of this nature will be scheduled for future meetings of the society. Although comparable discussions were held in 1946 during the September meeting of the APS in New York City, such sessions have been very infrequent.

The following invited papers were presented during the Denver meeting: The Theory of Infrared Radiation in the Atmosphere (W. M. Elsasser, University of Utah); Experiments on Penetrating Cosmic-Ray Showers (V. H. Regener, University of New Mexico); Thunderstorm-Precipitation Growth and Electrical-Charge Generations (S. E. Reynolds, New Mexico Institute of Mining and Technology); A Review of Tropospheric Propagation Data at Distances Far Beyond the Horizon (G. R. Chambers, National Bureau of Standards, Boulder); Recent Developments in the Theory of Electromagnetic Wave Propagation through Spherically Stratified Media (J. Feinstein, NBS, Washington); The Effect of Scattering by a Turbulent Atmosphere on the Received Field Deep in the Shadow Region (H. Staras, NBS, Washington); Physics and Atomic-Bomb Tests (A. C. Graves, Los Alamos Scientific Laboratory); Recent Advances in the Theory of Magnetization (R. M. Bozorth, Bell Telephone Laboratories); Noise in Electron Beams at Microwave Frequencies (D. A. Watkins, Hughes Research and Development Laboratories); The Perception of Speech by Deafened Listeners and its Relation to the Design of Hearing Aids (Harvey Fletcher, Brigham Young University); Shock-Wave Phenomena (R. J. Seeger, National Science Foundation); Measurements of Neutron Spectra Using Nuclear-Emulsion Techniques (Louis Rosen, Los Alamos); The Los Alamos Fast Reactor and its Experimental Use (D. B. Hall, Los Alamos); and Precision Measurement of the Annihilation Radiation and Decay Schemes of Tantalum 182 and Iridium 192 (H. C. Hoyt, California Institute of Technology).

Byron E. Cohn, head of the University of Denver physics department, served as chairman of the society's local committee. Professors Cohn and Kaplan were responsible for the original plans which resulted in the symposium and the three panel discussions.

The council of the American Physical Society met on the first morning of the meeting and among other items of business elected to the Society a number of new members and the following fellows: Walter Betteridge, F. W. Brown, J. H. Coon, J. G. Daunt, W. L. Davidson, F. N. Frankiel, and Elizabeth R. Graves.