

Professor Svedberg, who won the Nobel prize for his work in colloid chemistry, will describe a new investigation into the sedimentation constants and molecular weights of the respiratory proteins. Professor Filippo Bottazzi, Istituto di Fisiologia, Naples, and Professor W. J. V. Osterhout, Rockefeller Institute for Medical Research, will address the session.

The subject of a third symposium, to be held at the International House on Wednesday morning, June 21, with the Chemistry and Physics Sections jointly participating, will be "Isotopes." Professor Aston, who received the Nobel prize for his work in isotopes, will give measurements of the relative abundance of isotopes.

Quantum mechanics in chemistry will be discussed at a symposium of the Chemistry and Physics Sections and the American Physical Society, Tuesday morning, June 20, at 9:30 o'clock in the International House. The speakers will include Professor J. C. Slater, of the Massachusetts Institute of Technology; Professor Pauling; Dr. Eyring, of Princeton University, and Professor R. S. Mulliken, of the University of Chicago.

Many chemists are expected to attend the joint session of the Section of Physics and the American Physical Society on Friday morning at 9:30 o'clock in the International House, which will be devoted to the breaking down of matter. The speakers include: Dr. J. D. Cockroft, of the University of Cambridge; Dr. M. A. Tuve, of the Carnegie Institution; Professor W. D. Harkins, of the University of Chicago, and Professor E. O. Lawrence, of the University of California.

The dinner of the Chicago Section of the American Chemical Society, in conjunction with the Section of Chemistry of the association, will be held on Friday night, June 23, at the Midland Club. Professor Svedberg will deliver the principal address, "The Sedimentation of Molecules in Centrifugal Fields," at a supplementary meeting in the Field Museum. A luncheon of the Chicago Chemists Club and the Section of Chemistry of the association will be held on Tuesday, June 20, at 12:30 o'clock in the International House. Brief informal and non-technical talks will be made.

THE MEDICAL SCIENCES AT THE CHICAGO MEETING

THE *Journal* of the American Medical Association reports that at the summer session of the American Association for the Advancement of Science in Chicago, June 19-23, Section N (the medical sciences) will sponsor four symposiums and a public meeting. Headquarters will be at the Knickerbocker Hotel. Monday morning, June 19, the section will join with Section C (chemistry) at Thorne Hall, Northwestern University, for a symposium on colloid chemistry as

related to biologic problems, with the following speakers:

Dr. Edwin J. Cohn, Harvard Medical School, Boston, "Electrostatic Forces in Systems Containing Biological Components"; Professor Theodor Svedberg, Upsala University, Sweden, "Sedimentation Constants and Molecular Weights of the Respiratory Proteins"; Professor Filippo Bottazzi, Naples, Italy, "Physicochemical Properties of Concentrated Blood Serum."

Tuesday morning, June 20, Section N will combine with Section F (zoology) in a symposium with the following speakers:

Professor Archibald V. Hill, London, England, "Physical and Chemical Changes in Nerve During Activity"; Dr. Wallace O. Fenn, University of Rochester, "Nerve Respiration"; Dr. Ralph W. Gerard, Chicago, "Chemical Activity of Nerve"; Dr. Herbert S. Gasser, New York, "Electric Phenomena in Nerve."

Wednesday morning a symposium on pathologic physiology will be held at Northwestern University, in which the following will participate:

Dr. William H. Park, New York, "B C G Vaccination"; Dr. Charles H. Best, Toronto, "Fatty Changes in the Liver of Normal and Diabetic Animals"; Dr. Arthur L. Tatum, Madison, Wisconsin, "Morphine Addiction and Morphine Tolerance"; Dr. Maurice B. Strauss, Boston, "Etiology of Pernicious Anemia and the Related Macrocytic Anemias."

Thursday morning, June 22, a surgical-endocrinologic symposium will be presented at Northwestern University by the following:

Dr. George W. Crile, Cleveland, "A Century of Progress in Surgery: Anesthesia, Antisepsis and Asepsis, Shock and Careful Handling of Tissues"; Dr. Max Ballin, Detroit, "Clinical Recognition and Surgical Treatment of Parathyroidism"; Dr. Percival Bailey, Chicago, "Surgical Control of Hypophyseal Disorders"; Dr. John deJ. Pemberton, Rochester, Minnesota, "Recent Developments in the Clinical Recognition and Surgical Management of Hyperfunction of the Thyroid Gland"; Dr. Evarts A. Graham, St. Louis, "Clinical Recognition and Surgical Management of Hypoglycemia Produced by Tumors of the Islets of Langerhans."

It is expected that Madame Marie Curie, Paris, co-discoverer of radium, will address some of these meetings.

A public meeting celebrating a century of progress in medicine will be held Tuesday evening, June 20, in Thorne Hall. The program arranged is as follows:

Dr. Morris Fishbein, Chicago, editor, the *Journal* of the American Medical Association, "Frontiers of Medicine"; Dr. Paul Dudley White, Boston, "Heart Disease"; Dr. Max Cutler, Chicago, "The Conquest of Cancer."