

community as reason for the offer. The need for additional endowment is said to be one of the most pressing needs of the institute, the present endowment and trust funds amounting to \$1,500,000 being entirely inadequate.

The following members of the Board of Directors have been appointed to a committee to make plans to raise the \$600,000: James E. Gleason, *chairman*; Herbert W. Bromley, Dr. Albert K. Chapman, George H. Clark, M. Herbert Eisenhart, Dr. Mark Ellingson, Charles K. Flint, Edward A. Halbleib, Sol Heumann, P. Richard Jameson, Frank W. Moffett, Oscar H. Pieper, Herman Russell and Albert F. Sulzer.

Mr. Gleason in discussing the matter said that by the addition of a million dollars to the endowment funds a long step would be taken toward financial independence. Income from endowment has been steadily declining, and as tuition at the institute covers only about fifty per cent. of the cost of operation, the extension of its services makes additional support imperative.

The offer provides that the \$600,000 to be raised must be secured by pledges on or before December 31, 1940. This does not necessarily mean that contributions must be made at once; pledges payable over periods as long as five years will be acceptable under the terms of the offer.

The institute was founded in 1829. It is Rochester's oldest educational institution, and during the past year has had a student body of nearly 3,400 day and evening school students. In the day school, instruction is offered to high-school and college graduates in the applied arts, publishing and printing, general home economics, food administration, retailing, photographic technology, construction, chemistry, electricity and mechanics. Over a hundred and forty courses are offered in the evening division for employed men and women. It has pioneered in the individualization of education, in the cooperative plan and in its counseling program.

BIOCHEMICAL RESEARCH AT THE UNIVERSITY OF PITTSBURGH

DR. ALEXANDER SILVERMAN, head of the department of chemistry in the University of Pittsburgh, announces the continuation of the biochemistry research project which has been subsidized by the Buhl Foundation of Pittsburgh. The personnel for 1939-40 follows: Max O. Schultze (Ph.D., University of Wisconsin), senior fellow; Herbert E. Longenecker (Ph.D., Pennsylvania State College), senior fellow; Theodore H. Clarke (Ph.D., University of Pittsburgh), senior fellow; Rade R. Musulin (Ph.D., University of Pittsburgh), senior fellow to September 1; Carl V. Smythe (Ph.D., University of California), senior fellow reporting September 1; Carter J. Harner (B.S., University of Pittsburgh), research as-

sistant; George W. Jack (B.S., Grove City College), research assistant; Mary L. Dodds (M.S., University of Pittsburgh), research assistant.

The grant covers researches on animal nutrition, tissue respiration and molecular structure. Dr. C. G. King, professor of biochemistry at the university, is director, and Dr. Gebhard Stegeman, professor of physical chemistry, is associate director.

To broaden the investigation which has been in progress for several years in the department of chemistry, additional funds have been provided by the Buhl Foundation, so that cooperative studies will be made with the departments of physics and biology and with the School of Medicine. The total available for the entire project is \$60,000.

THE THIRD INTERNATIONAL CANCER CONGRESS

THE third International Cancer Congress will meet at Atlantic City, N. J., from September 11 to 15. The program, which has now been issued, includes papers on both the research and clinical phases of cancer, by authors from the United States, Canada, Mexico, South America and Europe. The following grouping has been adopted; Biophysics, Chairman Dr. Gioacchino Failla; Genetics, Chairman Dr. Clarence C. Little; Experimental Pathology, Chairman Dr. William H. Woglom; General Pathology, Chairman Dr. Milton C. Winternitz; Surgery, Chairman Frank H. Lahey; Diagnostic Roentgenology, Chairman Dr. John D. Camp; Therapeutic Radiology, Chairman Dr. Ursus V. Portmann; Statistics and Education, Chairman Dr. Burton T. Simpson, and finally a General Section which will be conducted by the president of the congress, Dr. Francis Carter Wood, for papers which arrive too late for classification under the different specialties.

A number of innovations have been made in planning the sessions of the congress. One of these is the appointment of a number of vice-chairmen, so that when a chairman must be absent from his section there will be available an assistant who is familiar with the program and the speakers. It has been ruled that all papers must be read at the time printed in the program.

The facilities for projection and demonstration will be unusually complete. Through the generosity of two large foreign instrument houses projection apparatus will be available for full-size radiographic films. There will be also, in a special room, a high-power projection apparatus for microscopic preparations, which will make it possible for groups interested in the finer details of a paper to study at leisure the microscopic lesions while the writer demonstrates his points. The usual lanterns and projectors for films also will be continuously available.

Each evening there will be lectures surveying special fields. The lecturers include the U. S. Surgeon-General, Dr. Thomas Parran, Jr., who will speak on "Cancer and the Public Health" on Wednesday evening after the president's dinner, and Professor James Ewing, who will close the meeting on Friday with an address on "Cancer, Present and Future," in which he will survey the accomplishments of the congress and express his opinions on methods for attacking the cancer situation in the next decade.

THE BICENTENARY OF THE ROYAL SWEDISH ACADEMY OF SCIENCES

THE preliminary program of general events for the Bicentenary Jubilee of the Royal Swedish Academy of Sciences, which meets in Stockholm from September 23 to 25, has been issued. The principal events are as follows:

Saturday, September 23

At 2: 30. Delegates and specially invited guests gather in the academy building at Frescati, where there will be arranged, in the assembly rooms, an exhibition of pictures, manuscripts and books, which will be demonstrated by the librarian of the academy.

After about an hour's stay in the academy building an opportunity will be given to visit the near-by Institute for Experimental Physical Research, the various sections of the Museum of Natural History, the Geological Survey of Sweden and the Bergius Botanical Garden.

At 6: 30. An informal dinner will take place at the restaurant Hasselbacken to welcome the delegates and specially invited guests.

Sunday, September 24

At 2: 00. Bicentenary festival in the Concert Hall of Stockholm in the presence of the King of Sweden and other members of the royal family. Further details will be given in a special program.

Monday, September 25

At 10: 00. Departure by steamer to Saltsjöbaden (alternatively by motor coaches at 11: 00).

At 12: 00. Demonstration of the Stockholm Observatory at Saltsjöbaden.

At 1: 00. Lunch at the Saltsjöbaden Grand Hotel or at some restaurant in Stockholm.

About 5: 00. The guests of the academy are invited to tea at the Royal Palace in Stockholm.

At 8: 00. The guests of the academy are invited to a gala performance at the Royal Opera House.

Those wishing to attend are advised to order in time hotel rooms for their stay in Stockholm from September 23 to 25. According to an agreement with the Organization Committee of the Academy the travel bureau "RESO," Stockholm, will undertake to provide hotel accommodation.

THE HUNDREDTH ANNIVERSARY OF THE BIRTH OF ROBERT HENRY THURSTON

THE hundredth anniversary of the birth of Robert

Henry Thurston will be celebrated by Cornell University with the cooperation of the American Society of Mechanical Engineers on October 25.

The preliminary program follows:

Convocation in Bailey Hall, 10: 00 A.M.

Dr. Edmund Ezra Day, president of Cornell University, presiding.

Speakers

Dr. William Frederick Durand, professor of marine engineering, Cornell University, 1891-1904; emeritus professor of mechanical engineering, Stanford University; past president, American Society of Mechanical Engineers, and author of "Robert Henry Thurston: a Biography."

Dr. James Pickwell Adams, vice-president of Brown University.

Admiral Wilson Brown, superintendent of the United States Naval Academy.

Dr. Harvey N. Davis, president of the Stevens Institute of Technology and past president of the American Society of Mechanical Engineers.

Dean S. C. Hollister, College of Engineering, Cornell University.

During the afternoon, guests will have the opportunity to inspect the College of Engineering and meet informally with members of the faculty. There will be exhibits of Dr. Thurston's publications and of apparatus he designed.

The program gives the following sketch of Professor Thurston's life and work:

ROBERT HENRY THURSTON

October 25, 1839-October 25, 1903

Robert H. Thurston has been recognized as the leading mechanical engineer of his time and as the most influential educator in this field. While teaching at Annapolis, where the U. S. Navy transferred him after his period of active service in the Civil War, Thurston began to develop a plan for training engineers that would supplant the current vocational courses in mechanic arts. He put his plan into operation at Stevens Institute between 1871 and 1885, founding the first mechanical laboratory for purposes of instruction, assembling and at times inventing the necessary apparatus, and writing a pioneer manual, "The Materials of Engineering," for his students. In 1885 President Andrew D. White called Dr. Thurston to Cornell, where for 18 years he directed instruction in mechanical engineering, setting up a more comprehensive laboratory, writing additional textbooks, surrounding himself with able teachers and establishing educational standards and programs that set the pattern for modern engineering education. His biographer and former colleague at Cornell, Dr. W. F. Durand, has stated that his work at this university gave "to the College prestige and standing in the very front rank of the engineering schools of the country and of the world."

Throughout his career as a teacher and administrator, Dr. Thurston continued the practice of engineering and wrote voluminously for technical publications. He was one of the organizers and the first president of the Amer-