

contains over half of all the beads of this type and period so far discovered.

The other material collected this summer for the Logan Museum illustrates every type of European prehistory from the Eolithic to the Bronze Age, and was gathered in England, France, Switzerland and Denmark. It includes eoliths from the Harrisonian collection of East Anglia, early paleoliths from Dr. Balfour, of Oxford, and Dr. Lewis Clark, of Cambridge, also Cromer flints from Messrs. Maynard and Reid Moyre, of Ipswich. From France, Mousterian material was obtained from La Quina through Dr. Henri-Martin, from Haute Roche through L. Didon, also from Le Moustier, Le Placard and Le Miquoc. The Aurignacian flints came from Laussel, George d' Enfer and La Blanchard.

The Solutrean collection came from Laugerie Haute and La Placard. Neolithic and bronze material was obtained through the National Museum at Zurich, Switzerland, also Neolithic objects from Denmark, obtained through collectors, but passed upon by Inspector Kjør of the National Museum at Copenhagen, Denmark.

Magdalenian artifacts from Limeuil, La Madeleine and Laugerie Basse were secured through the efforts of Abbe Bouyssonie. Some very interesting objects, including an urn from a dolmen burial, were obtained from Tebessa, Algeria, through the kind offices of M. Reygasse, a governor in the province of Constantine, Algeria.

All who are interested in this collection are cordially invited to inspect it and to study not only the materials on exhibition, but those duplicates which are placed in storage, but which will be made accessible, at any time, to those who wish to study them

GEORGE L. COLLIE,
Curator

LOGAN MUSEUM

THE PAN-AMERICAN CONFERENCE ON STANDARDIZATION

THE Peruvian government has invited the twenty-one republics in the Pan-American Union to a conference on standardization to be held at Lima, Peru, beginning on December 23 of this year. The conference is called by the Pan-American Union at the request of the Fifth International Conference of American States which met at Santiago, Chile, in 1923. The Peruvian government will act as host.

Sixty technical and trade organizations in this country have been invited to send representatives and there will be representatives of similar organizations from other countries.

The general purpose of this conference will be to study the possibilities of developing inter-American and international standards for raw and finished ma-

terials as well as standardized classifications and nomenclature and to make recommendations with regard to the steps to be taken by the states looking toward the development of these objectives.

The Peruvian government has sought the cooperation of the Pan-American Union and the Inter-American High Commission in the development of plans and agenda, and these departments in turn have sought the advice of representative organizations and individuals. The preparatory work in questions relating to agricultural products and raw materials are being handled by the U. S. Departments of Commerce and Agriculture. The American Engineering Standards Committee has assumed an important part in preparing for the work among the manufacturing industries of this country and at the request of Director General Rowe has organized an advisory committee.

No attempt will be made to adopt actual standards at this meeting, but it is hoped that a substantial basis for inter-American standardization can be laid, first, through the development and encouragement of standardization work in the various states and, second, through the designation of some organization which will act as a central agency for the development of inter-American standardization. It is expected that plans will be made for a second conference within a couple of years.

The Peruvian government has not yet published the final agenda. The advisory committee to Director General Rowe of the Pan-American Union is, however, engaged in getting papers together for the conference. These will deal not only with the broad principles of standardization both national and international, but with practical economic conditions and there will be a number of papers of a popular nature dealing with particularly notable achievements in the field of standardization. Since the field of raw materials is more nearly ready for immediate cultivation and is of special interest to many of the American states, emphasis at this first conference will be laid upon this side of the undertaking.

THE FOURTH ANNUAL MEETING OF THE HIGHWAY RESEARCH BOARD

THE Highway Research Board will hold its fourth annual meeting on December 4 and 5 in the new building of the National Research Council, Washington, D. C.

Mr. Thomas H. MacDonald, chief of the Bureau of Public Roads, will present a paper on the "Financial value of highway research as applied to road construction."

The various committees of the board will make their reports which will include the following subjects: The economic theory of highway improvements, structural design of roads, character and use of road

material, highway traffic analysis, highway finance, highway maintenance and also a report of the special investigation on reinforcement in concrete roads.

Research apparatus that has been successfully used in various experiments will be on display. This exhibit will not only include the apparatus used in laboratories, but will include also various loadometers, traffic counters and other instruments in use on the road.

On the evening of December 4, Mr. Herbert Hoover, secretary of the Department of Commerce, will speak at the highway research dinner.

This is the one meeting of the year where there is a rounded discussion of the practical application of highway research. Highway executives and engineers will find this meeting to be one of intense interest because of the correlation of research and practise.

THE CARNOT CENTENARY

THE one hundredth anniversary of the announcement by the French physicist and engineer, Nicholas Leonard Sadi Carnot, of the principle of thermodynamics, later known as the second law of thermodynamics and the Carnot cycle, will be celebrated by American engineering, physical and chemical societies and educational institutions of New York, at a meeting to be held under the auspices of the Engineering Foundation, on December 4 at 8:15 p. m., in the auditorium of the Engineering Societies Building.

The program will be as follows:

Dr. Wm. F. Durand, president-elect, American Society of Mechanical Engineers, will preside.

Addresses, Illustrated by Lantern:

Dr. Michael I. Pupin, professor of electromechanics of Columbia University; fellow of the American Institute of Electrical Engineers; member, American Physical Society, National Academy of Sciences and the National Advisory Committee for Aeronautics, will speak on "Carnot's principle."

Dr. William LeRoy Emmet, consulting engineer of the General Electric Company; member, American Institute of Electrical Engineers, Society of Naval Architects and Marine Engineers, National Academy of Sciences and the Naval Consulting Board, will speak on the "Application of Carnot's principle in engineering."

Cooperating Institutions and Societies:

American Society of Civil Engineers.

American Institute of Mining and Metallurgical Engineers.

American Society of Mechanical Engineers.

American Institute of Electrical Engineers.

Engineering Foundation.

American Physical Society.

American Chemical Society.

Columbia University.

New York University.

Stevens Institute of Technology.

College of the City of New York.
Polytechnic Institute of Brooklyn.
Pratt Institute.

Cooper Union for the Advancement of Science and Art

Committee of Arrangement:

American Society of Civil Engineers, George H. Pegram.

American Institute of Mining and Metallurgical Engineers, W. L. Saunders.

American Society of Mechanical Engineers, Joseph W. Roe.

American Institute of Electrical Engineers, L. W. W. Morrow.

Columbia University, George B. Pegram, Walter I. Slichter, Walter Rautenstrauch.

SCIENTIFIC NOTES AND NEWS

DR. THOMAS HUNT MORGAN, professor of zoology at Columbia University, has been awarded the Darwin medal of the Royal Society of London, for his work in zoology, and especially for research in heredity.

DR. HIDEYO NOGUCHI, of the Rockefeller Institute for Medical Research, New York, was elected corresponding member of the Accademia Medico-Fisica Fiorentina at the centenary celebration of its founding in May, 1924. The French government has conferred on him the decoration of Chevalier de la Légion d'Honneur.

DR. ÉMILE ROUX and Dr. Louis Marten, of the Pasteur Institute; Professor Roger, dean of the faculty of medicine; Inspector-General H. Vincent, and Professors Achard, Carnot, Legueu and Widai, of Paris, have been elected honorary foreign members of the Academy of Medicine of Rome.

THE Alvarenga Prize of the College of Physicians of Philadelphia, for 1924, has been awarded to Dr. Gordon Cameron, Victoria, Australia. His subject was "Pancreatic anomalies; their morphology, pathology and clinical history."

A. V. VASSILIEV, formerly professor of mathematics at the Universities of Kazan and Petrograd, will celebrate in Moscow the fiftieth anniversary of his teaching activity on December 12.

PROFESSOR C. O. BATES, head of the department of chemistry at Coe College, is retiring under the Carnegie Foundation. He will continue his work as chemist for the city of Cedar Rapids, Iowa.

DR. E. J. LUND, associate professor of physiology in the University of Minnesota, has been named as an occupant of the American Association table at the Naples Zoological Station, for the period from December 10 to February 1 next.

DR. GEORGE E. BREWER has been nominated for the