

mittee to enquire into tenure of office there and elsewhere, and, as a result of their report, the trustees have passed amendments to the statutes, according to which as a rule professors shall only be promoted or appointed in consultation with the departments concerned. It is provided that there shall be four grades in the faculty: professor, assistant professor instructor and assistant. Professors are to be appointed for an indefinite term; assistant professors will receive a first appointment for three years and re-appointments for terms of five years; instructors and assistants will be appointed for one year. The section dealing with the removal of a professor or assistant professor follows:

A professor or an assistant professor shall be removed by the board of trustees only after a conference between a committee, consisting of one representative from each of the faculties in the university (such representatives being chosen by the faculty of which the representative is a member) and a committee of equal number from the board of trustees, at which conference the provost shall preside, and upon a report from such conference to the board of trustees for consideration and action by them.

THE PAN-AMERICAN SCIENTIFIC CONGRESS

As part of the second Pan-American Scientific Congress a number of receptions have been arranged, including the following:

December 30. 4:30 to 7 P.M. Reception by the president of the congress, the Ambassador of Chile, Senor Don Eduardo Suarez Mujica, at the Chilean Embassy, 1013 Sixteenth St.

December 30. 9 P.M. Reception tendered by the secretary and board of regents of the Smithsonian Institution to the members of the congress.

December 31. 8:30 P.M. Theater party by the Secretary of State and United States delegation to the Latin-American delegations at the New National Theater. Other members of the congress are requested to make their reservations at once with the management of the theater.

January 1. 9 P.M. Reception by the Governing Board of the Pan-American Union to members of the congress at the Pan-American Union.

January 3. 3 to 6 P.M. Reception tendered to the members of the congress by the president and officers of the Cosmos Club.

January 3. 8 P.M. The members of the Second Pan-American Scientific Congress will be the guests of the American Association for the Advancement of Science on the occasion of a special meeting to be held in Memorial Continental Hall.

January 4. 9 P.M. The trustees of the Carnegie Institution of Washington (16th and P Sts.) will tender a reception to the members of the congress.

January 7. Friday night the President will give a reception to members of the congress at the White House.

January 8. Saturday night (hour to be announced). The Secretary of State and the United States delegation will give a banquet to the members of the congress at the Pan-American Union.

SCIENTIFIC NOTES AND NEWS

THERE is published in this issue of SCIENCE the address given at Columbus by Dr. Charles W. Eliot, the retiring president of the American Association for the Advancement of Science. We hope to publish in subsequent issues other addresses given before the association and the other scientific societies meeting during convocation week, together with accounts of their proceedings.

PROFESSOR M. I. PUPIN, of Columbia University, has been elected president of the New York Academy of Sciences.

DR. W. P. HAY, of the U. S. National Museum, was elected president of the Biological Society of Washington at the annual meeting held in December.

DR. FRITZ HABER, director of the Kaiser Wilhelm Institute for Physiology, and Dr. Karl Bosch, of the Baden Anilin Factory, have received honorary doctorates from the Karlsruhe Technical School.

DR. LUDWIG RADLKOFER, professor of botany at Munich, who is now in his eighty-sixth year, has celebrated the sixtieth anniversary of his doctorate.

DR. PAUL BARTSCH and Dr. J. N. Rose have been selected as delegate and alternate to represent the Biological Society of Washington at the Pan-American Scientific Congress.

ACCORDING to the *Bulletin* of the American Geographical Society a letter received from

Carl Lumholtz, dated Batavia, Java, August 6, 1915, said that his plans for leaving Borneo with a party, about the middle of 1914, for exploration in Dutch New Guinea along the Digul River and among the interior islands had been defeated on account of the war. He was about ready to start when the governor-general informed him that he could not fulfill his promise to provide facilities until after the war. The explorer then visited India, where he spent seven months, chiefly at Benares. When he wrote, he was preparing for an expedition to central Borneo, the government supplying him with a photographer, two men to collect the zoological specimens and a small escort of soldiers. His destination was the mountainous region between the two northwestern tributaries of the Barito River, which empties into the Java Sea at the city of Banjarmasin. He expected to start on August 14 and to return to Batavia in February or March next, when he hopes to be able to set out on his New Guinea explorations.

PRESIDENT CHARLES W. DABNEY, of the University of Cincinnati, spoke last week before the Cincinnati section of the American Chemical Society, on "Reminiscences of Cincinnati Chemists." This meeting of two days celebrated the twenty-fifth anniversary of the founding of the section.

"THE Scientific Work Developed by Dr. Nef" is the title of an address made in Chicago by Professor Lauder W. Jones of the University of Cincinnati on December 17, before the Chicago section of the American Chemical Society. The meeting was a memorial in honor of the late Professor J. W. Nef of the University of Chicago. Dr. Jones was a student and later a colleague of Dr. Nef in the University of Chicago.

ON the initiative of the American Institution of Mining Engineers and the American Mining Congress, there will be held in Washington on January 15, a meeting of delegates from a number of scientific societies to arrange plans for a memorial to Dr. Joseph A. Holmes with a special view to favoring the ideals that he advanced for the increased

safety of the mining and metallurgical workers and for the conservation of the mineral and natural resources of the United States.

DR. RUDOLPH A. WITTHAUS, known for his work in chemistry and toxicology, who died on December 19, leaves most of his estate of more than \$150,000 to the New York Academy of Medicine. Dr. Witthaus left to the Academy of Medicine all his books and the estate for the benefit of the library.

PROFESSOR ARTHUR WILLIAMS WRIGHT, professor of experimental physics at Yale from 1872 until his retirement as professor emeritus in 1906, died on December 19 at his home in New Haven, in his eightieth year.

SIR HENRY ENFIELD ROSCOE, the distinguished chemist, emeritus professor in the University of Manchester, has died at his home in Surrey, aged eighty-two years.

A PRESS despatch from Albany says that Governor Whitman has endorsed the work of Dr. Hermann M. Biggs, head of the State Department of Health, by approving practically all the requests for health extension work laid out for the coming fiscal year. Dr. Biggs has submitted requests for appropriations amounting to \$626,525, as against \$380,775 expended this year. The increased expenditures provided are largely for the departmental laboratories and for expert service.

ACCORDING to a telegram from Chicago to the daily papers, the Illinois supreme court has upheld the decision of the appellate court and ordered the removal of the present board of directors of the American Medical Association. The decision is rendered in the suit filed five years ago by Dr. G. Frank Lydston, of Chicago, who claimed the affairs of the association were controlled by an oligarchy. He attempted to prevent Dr. George H. Simmons, of Chicago, then secretary of the association, from holding three offices at once. Under the ruling of the court, members of the present board of directors were elected illegally, inasmuch as the association was incorporated under a charter from Illinois and therefore must hold its meetings in that state.

DR. E. T. CRANE, editor of *Chemical Abstracts*, writes to members of the American Chemical Society that *Chemical Abstracts* has reached a critical stage in its development, a collective index being needed. The foreign chemical abstract journals publish either five-year or ten-year indexes. The adoption of a similar policy by *Chemical Abstracts* is essential if its value as a permanent record is not to be gradually lost. The completion of the tenth volume is the logical occasion for the appearance of the first collective index. Since the resources of the society are not sufficient to meet the needs of this expensive undertaking, it is necessary that at least a large part of the cost be guaranteed by advance subscriptions.

THE publication is announced of a quarterly *Journal of Cancer Research*, the official organ of the American Association for Cancer Research, to be edited by Richard Weil, Cornell University Medical School. The other members of the editorial committee are: Joseph C. Bloodgood, The Johns Hopkins University; Leo Loeb, Washington University; Ernest E. Tyzzer, Harvard University; H. Gideon Wells, University of Chicago, and William H. Woglom, Columbia University.

UNIVERSITY AND EDUCATIONAL NEWS

IT is now said that the estate left by Amos R. Eno is likely to amount to \$15,000,000. Provided the will filed for probate on October 28 stands, in the face of the contest being made by Mr. Eno's next of kin, Columbia University's share of the estate will be about \$7,000,000.

GRINNELL COLLEGE has received \$50,000 from an anonymous donor in the east. The college is conducting a campaign for new endowment and buildings. Recently a parcel of land in Kansas City, valued at \$150,000, was turned over to the college for the purpose of financing the start of a new men's dormitory system. The alumni of the college are raising funds for a new recitation building, the construction of which will be commenced next spring, which will cost in the neighborhood of \$250,000.

A 550-TON locomotive has been presented by the Illinois Central Railroad Company to

the University of Illinois. The university will use its new possession for instructional purposes and also for research work in its locomotive testing laboratory.

THE staff of the departments of physiology and biochemistry of the Fordham University School of Medicine has been reorganized and is now made up as follows: Lewis William Fetzer, Ph.D., M.S., professor of physiology and biochemistry; George F. Sheedy, Ph.B., M.S., assistant professor of physiology; Carl P. Sherwin, M.S., Ph.S., assistant professor of biochemistry; John Allen Killian, A.B., A.M., instructor in physiology and biochemistry.

AT a recent meeting the trustees of the University of Illinois promoted Dr. Trygve D. Yensen, in recognition of his work on the magnetic properties of iron and iron alloys.

DISCUSSION AND CORRESPONDENCE

A GALAPAGOS TORTOISE

A FEW facts of interest in regard to the Galapagos tortoise *Testudo vicina* Gunther, are hereby submitted as they have a bearing on the growth of a family which heretofore was believed to progress very slowly.

On April 20, 1914, we received by express from Riverside, Cal., a dead tortoise weighing 450 pounds. This specimen was brought from the Galapagos Islands in 1900 by Edmund Heller, who later accompanied Colonel Roosevelt on his African trip, and weighed at time of its capture in 1899 only 29 pounds.

It was taken to the home ranch at Riverside, Cal., where it died April 18, 1914.

Its death was reported to Edmund Heller, at Washington, who immediately donated it to the Museum of History, Science and Art, Exposition Park, Los Angeles, Cal.

The specimen itself was not only mounted but the entire skeleton was installed as a separate exhibit, the two forming a striking addition to the science wing of the museum.

The following extracts from Edmund Heller's letter in regard to the tortoise are of especial interest:

It is a real pleasure to learn from you that the Galapagos tortoise which you have recently re-