

records in that regard; namely, Denmark, England, the Netherlands and Belgium. According to Roesle, not only the general mortality rate but also the infant and the tuberculosis mortality rates have thus taken a very different course, during recent years, in Germany than was prophesied in many quarters.

### FALL EXCURSION OF THE NEW ENGLAND INTERCOLLEGIATE GEOLOGISTS

THE twenty-second annual excursion of the New England Intercollegiate Geologists was held in the vicinity of New Haven, October 8 and 9. Dr. C. R. Longwell, of Yale University, made the arrangements for the excursion. Friday afternoon points of interest about New Haven were visited. The intrusive dikes and sheets at West Rock, Pine Rock and East Rock were of special interest because of the classic studies made by Professor J. D. Dana. They also served to stimulate a discussion of the advance of geologic thought since the death of Professor Dana.

On Saturday the group studied the Anterior Trap sheet north of East Haven, the major fault between the Triassic basin and the rocks of the Eastern Highland of Connecticut south of Beacon Hill, the replacement of the Middletown series by granite near Haycock Point, the geology of the new reservoir of the New Haven Water Company near North Branford, the "fanglomerates" at the base of Quonnipaug Mountain in North Guilford and an explosive volcanic vent south of Durham. The day's work centered about the question concerning the method of formation of the Triassic depression. It was generally agreed that the theory illustrated by Barrell's diagrams was correct.

The attendance was record breaking. The institutions represented were Brown (8), Choate School (1), Clark University (4), Columbia University (1), Colby (2), Hartford High School (3), Harvard (8), Mount Holyoke (4), Norwalk High School (1), Rhode Island Teachers College (2), Smith College (4), Trinity College (3), Tufts (1), University of Vermont (1), Wesleyan (4), Williams (1), Yale (23). The total attendance was therefore seventy-one, over twenty more than were ever present before.

WILBUR G. FOYE,  
*Secretary*

### APPOINTMENTS AT STANFORD UNIVERSITY

STANFORD UNIVERSITY, following out its plan of development, has made a number of new appointments to its faculty this year.

Dr. Arthur L. Bloomfield, an authority on diseases of the throat and respiratory tract, has gone from the Johns Hopkins University to become head of the department of medicine in the Stanford Medical School, succeeding the late Dr. A. W. Hewlett. In the

Medical School, also, Dr. Emile Holman has become head of the department of surgery as successor to Dr. Stanley Stillman, who has retired. Dr. Philip E. Smith, for fourteen years connected with the department of anatomy at the University of California, has become associate professor in the same department at Stanford. Dr. Frederick Leet Reichert is taking the place of Dr. Edward B. Towne as associate professor of surgery at the Stanford Hospital.

The new head of the department of mechanical engineering, Arthur B. Domonoske, formerly of the University of California, has taken up his duties, succeeding Professor Everett Parker Lesley, who is devoting all his time to his work as one of the division heads in the newly instituted Daniel Guggenheim Laboratory of Aeronautics. Similarly, in the absence of Professor Eliot Blackwelder, of the department of geology, Dr. Paul MacClintock, of the department of geology at the University of Chicago and dean in the college of arts, literature and science there, is at Stanford during the present quarter.

With the addition this year of Dr. James W. McBain to the faculty of the department of chemistry one of the most important laboratories for research in the field of colloid chemistry will be established. Dr. McBain, now Leverhulme professor of physical science at Bristol, holding a chair endowed for him individually by Lord Leverhulme, a distinguished leader in his specialty of colloids, will take up his work in January, being on leave for the first quarter of this year. With him will come also his two chief aids at Bristol, Dr. Mary Evelyn Laing, as research associate, and Miss Mabel Harriett Norris, research assistant. They will join the Stanford faculty, enabling Dr. McBain to continue without interruption the investigations on which he has been engaged and to proceed with new work.

### SCIENTIFIC NOTES AND NEWS

THE Nobel prize for medicine has been awarded to Professor Johannes Fibiger, of the University of Copenhagen, for his work on cancer.

DR. W. D. COOLIDGE, assistant director of the General Electric Company's research laboratory at Schenectady, N. Y., gave, at the Franklin Institute on October 19, the first public demonstration of his new cathode ray tube, a preliminary account of which was given in *SCIENCE* for November 13, 1925. At the same time the institute presented Dr. Coolidge with their Howard N. Potts gold medal, given for "distinguished work in science or the arts."

THE Perkin medal for 1927 has been awarded to Dr. John Teeple, treasurer of the American Chemical Society, for "significant scientific, technical and ad-

ministrative achievements, particularly the economic development of an American potassium industry at Searles Lake, Calif." The medal will be formally presented by Dr. William H. Nichols, senior past president of the American Society of Chemical Industry, at a meeting in Rumford Hall, New York City, on January 14 next. The committee on award consists of representatives of the American section of the British Society of Chemical Industry, the American Chemical Society, the American Electrochemical Society, the American Institute of Chemical Engineers and the American section of the Société de Chimie Industrielle.

As part of the dedication exercises of the new Samuel Mather Science Hall, Kenyon College conferred the honorary degree of doctor of science on Dr. W. E. Forsythe, director of the Nela Research Laboratories at Cleveland, and on Professor J. C. W. Frazer, of the Johns Hopkins University. The degree of doctor of laws was conferred upon Professor M. I. Pupin, of Columbia University; Professor E. M. East, of Harvard University, and Professor C. K. Leith, of the University of Wisconsin. The principal addresses were delivered by Dr. Leith and Dr. Pupin.

THE Boston Surgical Society will award the Bigelow medal this year to Dr. Rudolph Matas, professor of surgery at Tulane University. The presentation exercises will take place on November 1. The introduction will be made by Dr. C. A. Porter, president of the society; the address will be given by Dr. Matas on "The Spirit and Art of Surgery." The presentation of the medal will be by Dr. Harvey Cushing.

DR. ALEXANDER C. HUMPHREYS, for the past twenty years president of the Stevens Institute of Technology, has presented his resignation to take effect next June.

PROFESSOR ELIZABETH FISHER, head of the department of geology and geography in Wellesley College since 1908, has retired under the provisions of the Carnegie Foundation as professor emeritus.

DR. LOUIS F. JERMAIN, for fourteen years dean of the Marquette University School of Medicine, Milwaukee, tendered his resignation at a recent meeting of the board of trustees and was elected dean emeritus.

It is reported that Professor B. Brouwer has declined the invitation to organize a neurologic clinic at the Johns Hopkins University.

DR. ALEXANDER WETMORE, assistant secretary of the Smithsonian Institution, was elected president of the American Ornithologists' Union at its forty-fourth annual meeting at Ottawa, on October 11.

DR. GEORGE SHANNON FORBES, professor of chem-

istry at Harvard University, has been elected chairman of the division of physical and inorganic chemistry of the American Chemical Society.

PROFESSOR H. L. RIETZ, of the University of Iowa, has been appointed actuary of the Pension Commission of Chicago for the purpose of investigating the pension systems of the city.

DR. ALWIN BERGER, formerly associate horticulturist at the New York Agricultural Station and responsible for the botanical contributions to the recently published volume on "The Small Fruits of New York," has returned to Stuttgart, Germany, to head the department of botany of the State Museum.

PROFESSOR S. TERAQ, of the Japanese Fishery Institute, will spend a year at the Rockefeller Institute in a study of the "growth and breeding of animals." He will leave Japan for America in October.

PROFESSOR F. WOOD JONES, of Adelaide, has accepted a Rockefeller foundation research appointment. He will go to the University of Hawaii to study racial problems in the Hawaiian Islands.

DR. BENGT HAMILTON, of Stockholm, Sweden, has accepted a position as head of the research laboratory of the children's medical department and associate in pediatrics at the Massachusetts General Hospital.

DR. S. D. WICKSELL, of the University of Lund, Sweden, has been appointed special lecturer at the University of Michigan, to be in residence during the second semester beginning in February, 1927.

PROFESSOR EJNAR HERTZSPRUNG, of the Observatory of the University of Leiden, will study variable stars for some months at the Harvard College Observatory. His visit to America is supported in part by the International Education Board.

DR. TOR JONSON, president of the Swedish Forest School at Stockholm, has been in this country since June and has visited a number of the forest experiment stations, arranging for cooperation between the American research institutions and the Swedish forest experiment station.

DR. W. H. LONGLEY, professor of biology at Goucher College, is spending a sabbatical year in Hawaii, Samoa and the Dutch East Indies, where he is continuing his researches upon tropical reef fishes under the auspices of the Carnegie Institution of Washington.

DR. EZRA ALLEN, professor of biology in Ursinus College, has been given a year's leave of absence in order that he may conduct researches in embryology under the auspices of the Carnegie Institution of Washington at Cold Spring Harbor, N. Y.

PROFESSOR F. H. HOWARD, of the department of physiology at Williams College, has been granted a leave of absence for the present academic year. He plans to work at the College of Physicians and Surgeons, New York.

DR. VERNON KELLOGG, secretary of the National Research Council, has returned to Washington after several months abroad.

MISS FRANCES DENSMORE, of the Bureau of American Ethnology, has returned to her home in Red Wing, Minnesota, after an absence of ten weeks in the field. During the latter portion of that time she recorded the songs of the Indians who were gathered in the hop fields at Chilliwack, British Columbia.

PROFESSOR HAROLD E. ROSS, of Cornell University, has returned from a year spent in Buenos Aires, during which time at the request of the Argentine government he gave his services as a bacteriologist in improving the quality of the milk supply.

DR. R. L. DOWDELL, assistant professor of metallography in the school of mines of the University of Minnesota, was engaged during the summer as research associate at the U. S. Bureau of Standards.

PROFESSOR WALTER S. HUNTER, G. Stanley Hall professor of genetic psychology at Clark University and editor of *Psychological Abstracts*, has sailed for Europe for a two months' stay. His purpose is to establish European contact for the new psychological journal and to secure assistants for the editorial board. During Dr. Hunter's absence his courses will be given by Professor J. W. Bridges, professor of psychology at McGill University.

DR. LOUIS E. WISE, professor of forest chemistry at Syracuse University, and Professor E. A. Hartley, of the department of forest entomology, are touring in Europe in the interest of forest research.

PRESIDENT FRANKLIN S. HARRIS, of Brigham Young University, Provo, Utah, is on leave during the present year traveling through the Orient and Europe. In Japan Dr. Harris gave a paper on the "Soil Alkali Problem of the Pacific Coast" before the Pan-Pacific Science Congress. During his absence L. John Nuttall, Jr., dean of the college of education, is acting president.

DR. MICHAEL I. PUPIN, professor of electromechanics at Columbia University, gave the principal address at the dedication of the new Henry M. Sanders laboratory of physics at Vassar College on October 18.

DR. A. J. CARLSON, professor of physiology at the University of Chicago, on September 28 spoke to the student body of the University of Colorado School of Medicine, Denver, on the importance of research work

in the medical field. In the evening of the same day, Dr. Carlson delivered a lecture before the faculty of the medical school on the "Physiology of the Gastro-intestinal Tract." After the formal lecture a buffet supper was given in honor of Dr. Carlson.

DR. H. C. SHERMAN, Mitchill professor of chemistry at Columbia University, lectured on "Some Recent Advances in the Chemistry of Nutrition" before the Philadelphia section of the American Chemical Society on October 21.

E. B. CRAFT, vice-president of the Bell Telephone Laboratories, addressed a meeting of the New York Electrical Society on October 27, when he described and demonstrated the technical features of the "Vita-phone."

DR. COLIN G. FINK, of Columbia University, addressed a meeting of the Society of Automotive Engineers held at Detroit on the evening of October 21, when he spoke on "Chromium, a Metal of many Uses."

DR. GEORGE F. SWAIN, professor of civil engineering at Harvard University, will be one of the speakers at the fourth annual convention of the American Institution of Steel Construction to be held at White Sulphur Springs, W. Va., from October 26 to 30.

DR. ARCHIBALD YOUNG, professor of surgery at the University of Glasgow; Dr. David Wilkie, professor of surgery at the University of Edinburgh, and Dr. W. Sampson Handley, of London, visited the Mayo Foundation during the week of October 10 and were the speakers of the evening at the meeting of general staff on October 13. Dr. Young and Dr. Wilkie have come to this country to be the guests of the Interstate Postgraduate Assembly at the meeting in Cleveland, and Dr. Handley is one of the authorities on cancer from England who attended the International Cancer Symposium at Lake Mohonk, New York, in September.

PROFESSOR J. N. BRÖNSTED, of the University of Copenhagen, addressed the scientific staff of the Rockefeller Institute for Medical Research, on October 22, on "The Conception of Acids and Bases."

DR. J. SCHALTENBRAND, of Hamburg, Germany, addressed a meeting of the physiological conference at the Harvard Medical School on October 27, speaking on "Behavior of Thalamus Cats."

DR. RUDOLF ABEL, director of hygiene at the University of Jena, gave two Chadwick lectures of the Royal Society of Medicine in London on October 19 and 20 on "The Development and Present State of Public Health in Germany."

A COURSE of eight lectures on "The Interaction of Pure Scientific Research and Electrical Engineering

Practice" is being given by Professor J. A. Fleming, F.R.S., at the Institution of Electrical Engineers, London, on Wednesdays and Fridays in October and November, beginning on October 20.

A MEMORIAL was recently unveiled at Lebanon, Connecticut, to Dr. William Beaumont, the pioneer American physiologist, who studied gastric digestion through an accidental fistula on Alexis St. Martin.

A FRENCH medical conference which will take place from November 3 to 7 termed "Journées Médicales de Montpellier" will include the commemoration of the centenary of the discovery of bromine by Balard.

THE early home of David Livingstone at Blantyre on the Clyde is now for sale, and a movement has been started to purchase the house and grounds as a Scottish National Memorial to the explorer. In addition to the purchase of the house, it is planned to endow it as a museum for such Livingstone relics as can now be collected, as well as other exhibits illustrating the opening-up of Africa. A representative committee has appealed for £12,000.

DR. ROBERT G. REESE, professor of ophthalmology at Cornell University Medical College, died on October 18, aged sixty-one years.

DR. JOHN W. ADAMS, professor of surgery and obstetrics since 1896 in the Veterinary School of the University of Pennsylvania, died on October 23.

DR. JOHN W. BRODNAX, associate professor of anatomy at the University of Virginia Medical School, has died, aged sixty-two years.

DR. WILLIAM STURGIS BIGELOW, at one time vice-president of the Massachusetts Institute of Technology, died on October 6 at the age of seventy-six years.

THE American Society of Naturalists will hold its annual meeting in Philadelphia on Wednesday, December 29. The program, to be given in the afternoon of that day, will be a symposium on the general subject "Quantitative Biology." The dinner of the society will take place in the evening at the Hotel Walton. The presidential address to be delivered after the dinner by Professor J. Arthur Harris will be entitled "The Human Value of Quantitative Biology." No morning program will be offered.

THE thirty-fifth annual meeting of the American Psychological Association will be held at the University of Pennsylvania, Philadelphia, on Tuesday, Wednesday and Thursday, December 28 to 30, 1926, under the presidency of Professor Harvey A. Carr, of the University of Chicago. Scientific sessions will be held on the mornings and afternoons of each of

these three days in the Laboratory of Psychology, College Hall. The annual business meeting will be held on the evening of Tuesday, December 28; the annual dinner and president's address will be held on Wednesday, December 29, at the Hotel Pennsylvania, the headquarters of the association. For information address the secretary, Professor Samuel W. Fernberger, College Hall, University of Pennsylvania.

THE fifteenth annual meeting of the American Association of Variable Star Observers was held at the Harvard College Observatory on October 23. The annual dinner was served at the Hotel Bellevue, with Dr. Ejnar Hertzsprung, of Leiden, Holland, as a guest and speaker. Other speakers included Dr. George R. Agassiz on "Meteor Crater," and former President D. B. Pickering, who told of his recent experiences abroad.

THE Spanish-American Aeronautic Congress opened on October 20 in Madrid. The program of the congress includes the adoption of terminology in Spanish and French; study and recommendation on international aerial legislation from the point of view of Spanish-American interest, with proposed modifications to the existing international conventions for aerial navigation, and international private aerial rights. It was planned that the congress would visit all the Spanish factories and flying fields during the four days of the congress. Don Juan Francisco de Cardenas, chief of the American Section in the Ministry of State, has been made president of the organizing committee.

ACCORDING to a radio message, the joint expedition of the New York Zoological Society and the Roosevelt Memorial Association which is attempting to retrace the steps of Roosevelt down the River of Doubt in Brazil have reached the upper Paraguay River near where the River of Doubt is supposed to rise. The headwaters of the Paraguay lie over a divide from the headwaters of the River of Doubt, which has been named the Rio Teodoro. The most difficult leg of the journey now is to begin, for the ridge is covered by a dense jungle.

THE U. S. National Museum has recently received as donations two important collections of insects. One of these is from John D. Sherman, Jr., of Mount Vernon, New York, comprising about 20,000 specimens of water beetles of the families Dytiscidae and Haliplidae, and representing about forty years of entomological activity on the part of the donor. This Mr. Sherman gives "in loving appreciation and honor of Dr. E. A. Schwarz." The second donation is from Dr. E. A. Chapin, formerly of the Bureau of Animal Industry, but recently appointed to the staff of the

Bureau of Entomology as a specialist in beetles. This collection comprises fleas, lice and other ectoparasites, and is the largest addition in this group ever received by the museum.

A FUND of \$1,500 to establish a fellowship in chemical engineering for pulp and paper research has been accepted from the Northwest Paper Company of Cloquet, Minn., by the University of Wisconsin. George Brabender, of Peshtigo, a graduate of the University of Wisconsin with the class of 1925, will conduct the work under the direction of Professor O. L. Kowalke, of the department of chemical engineering. In tendering the fellowship the Northwest Paper Company indicated its intention to continue it indefinitely if the preliminary work proves of sufficient merit.

MORE than 900 specimens of Siamese birds have been added to the collection at the United States National Museum through a large shipment of skins received from Dr. Hugh M. Smith, who is now in Siam. Dr. Smith will remain there for some time investigating the fish fauna for the Siamese government. During that time he also plans to send further collections to the United States.

AN orchid garden containing 7,000 plants and representing many species of the tropical flower has been taken over by the Missouri Botanical Garden from C. W. Powell, of Balboa. Mr. Powell has made a special study of the orchids of Panama and has more than doubled the number of species formerly known from that country, besides discovering more than a hundred new species. The orchid garden will be maintained in the Canal Zone as an experimental tropical garden.

ACCORDING to a special cable to the New York *Times* annual public lectures on health and disease for the benefit of the public will be conducted, beginning next year, by the British Medical Association in response to pressure from many sources. This decision of the council of the association follows the recent address before the general body by Sir Thomas Horder, in which he declared that the public had decided it wanted lectures on health and meant to have them. The association has in the past frowned on popular medical lectures, on the ground that they were unethical.

#### UNIVERSITY AND EDUCATIONAL NOTES

A GIFT of \$3,385,000 has been made to the University of Chicago by the General Education Board for the medical school. The gift is contingent upon the obtaining by the university of an additional \$2,000,000.

By the will of the late Mrs. Gertrude Baldwin Woods, of Cambridge, Mass., Harvard University will receive \$20,000 and Oberlin College \$25,000.

At the Harvard Medical School, Dr. James B. Ayer has been named clinical professor of neurology and will take the place of Dr. Edward W. Taylor, who has resigned.

DR. H. R. KRAYBILL, formerly bio-chemist at the Boyce Thompson Institute for Plant Research, has been appointed professor of agricultural chemistry in Purdue University and state chemist and seed commissioner.

PROFESSOR H. S. UHLER has resigned as head of the department of physics at Gettysburg College to become associate professor of physics in the Sheffield Scientific School of Yale University.

DR. SAMUEL STUART MACKEOWN, of the research department of the Westinghouse Electric and Manufacturing Company in New York, has been appointed assistant professor of electrical engineering at the California Institute of Technology, Pasadena.

DR. L. R. VAN WERT, of the Harvard Engineering School, has been appointed assistant professor of metallurgy in the college of engineering at the Carnegie Institute of Technology.

DR. NATHAN L. DRAKE has recently been appointed professor of industrial chemistry at the University of Maryland.

DR. N. M. GRIER has been appointed head of the department of biology at Des Moines University, Iowa.

DR. HARVEY ALFRED ZINSZER, formerly instructor of physics at Lehigh University, has been appointed acting professor of physics in Mississippi State College for Women at Columbus.

JOSEPH C. CHAMBERLIN, until recently attached to the department of entomology of the University of California Citrus Experiment Station, has accepted a teaching position in the department of biology of the San José State Teachers College.

THE council of the University of Leeds have appointed E. L. E. Wheateroft, M.A. (Cambridge), to the newly-created chair of electrical engineering.

#### DISCUSSION AND CORRESPONDENCE AN OCCIDENTAL BUDDHIST'S CONCEPTION OF PERSONALITY

THE following quotation from Lafcadio Hearn<sup>1</sup> seems of considerable interest, especially in view of

<sup>1</sup> "Gleanings from Buddha Fields," pp. 92-94.