

Alberta, the tentative route laid out for him extending from Estevan, Saskatchewan, to Edmonton, Alberta, to Macleod, Alberta, and from thence easterly along the international boundary to the western boundary of Manitoba.

Dr. C. M. Barbeau is engaged in intensive study of the folk technology and colonial arts and crafts of the ancient French colony of Quebec and vicinity. The headquarters for this work will be on the Isle of Orleans.

Professor L. Bloomfield will be engaged in a study of Cree linguistics for a period of three months. His work will probably be carried on in the Province of Saskatchewan.

THE DISTINGUISHED SERVICE PROFESSORSHIP AT THE UNIVERSITY OF CHICAGO

At the one hundred thirty-seventh convocation of the University of Chicago, held in Hutchinson Court on June 16, Professor Albert A. Michelson was appointed to the first of the distinguished service professorships established as a result of the present \$17,500,000 program of development.

In raising new endowment of \$6,000,000, the university has sought to obtain special funds in sums of \$200,000, the income from which could be applied to the salaries of scholars of high rank, either already members of the faculty of the University of Chicago or men called from other institutions. This would establish virtually on a ten-thousand-dollars-a-year salary basis such distinguished service professorships, and would confer a special distinction upon those appointed, in addition to the increased income. The plan is considered also to be a recognition of scholarship which will encourage young men to enter the teaching profession.

"It was considered fitting by the university trustees," said Vice-president James H. Tufts, "that the first of these professorships should be awarded to a member of the present faculty, and that the choice should fall upon Professor Michelson, who has not only gained world-renown by his studies of the velocity of light and other problems of physics, but for years has been an inspiration to students and men with the spirit of discovery.

"This distinguished service professorship comes about as another instance of the generosity of Mr. Martin A. Ryerson, of Chicago, formerly president of the board of trustees, donor of Ryerson Physical Laboratory, and consistent friend of the university."

The presentation of this honor to Professor Michelson, head of the department of physics and winner of the Nobel Prize, the Copley Medal and other distinctions, comes on the eve of his departure for California where he will continue his remarkable investigations of the velocity of light.

SCIENTIFIC NOTES AND NEWS

In connection with the forthcoming meeting of the International Astronomical Union at the University of Cambridge, it is proposed to confer the honorary degree of doctor of science upon the president of the union, President W. W. Campbell, of the University of California; also upon Professor F. Schlesinger, director of Yale University Observatory; Professor W. De Sitter, of the University of Leyden; Professor B. Baillaud, director of the Observatory of Paris, and Professor H. Nagaoka, of the Imperial University, Tokyo.

HARVARD UNIVERSITY has conferred the honorary degree of doctor of science on Professor W. J. V. Osterhout, formerly of the department of botany in the university and now a member of the Rockefeller Institute for Medical Research, and on Dr. John Jacob Abel, professor of pharmacology at the Johns Hopkins University.

YALE UNIVERSITY has conferred honorary doctorates of science on Dr. Donald Dexter Van Slyke, research chemist at the Rockefeller Institute, and on Dr. Robert Andrews Millikan, of the California Institute of Technology.

FRANK B. JEWETT, vice-president of the American Telephone and Telegraph Company and a past-president of the American Institute of Electrical Engineers, was awarded the honorary degree of doctor of science by New York University at the commencement exercises held on June 10.

DR. JOHN VAN WICHERIN REYNDEERS, of New York, president of the American Institute of Mining and Metallurgical Engineers, delivered the commencement address at Rensselaer Polytechnic Institute, Troy, on June 19, and was awarded the degree of doctor of engineering by the institute.

DR. GELLERT ALLEMAN, professor of chemistry in Swarthmore College, received the honorary degree of doctor of laws from Gettysburg College on June 10.

COLONEL JAMES I. BRENNAN, M.E., city efficiency engineer and managing engineer of the city water supply system of Pittsburgh, has received the degree of doctor of science from Duquesne University.

DR. CHARLES ALBERT BROWNE, JR., chief of the bureau of chemistry in the Department of Agriculture, has received the honorary degree of doctor of science from the Stevens Institute of Technology.

DR. FRANCIS C. WOOD, director of the Crocker cancer research fund of Columbia University, has had conferred upon him by Tufts College an honorary Sc.D. degree.

AMHERST COLLEGE has conferred honorary doctorates of science as follows: Robert T. Miller, Jr., associate professor of surgery, the Johns Hopkins University; Whitman Cross, U. S. Geological Survey; George G. Sears, professor emeritus of clinical medicine, Harvard Medical School, and consulting physician, Boston City Hospital, and Edwin St. J. Ward, dean of the medical faculty of the American University of Beirut.

DR. KARL LANDSTEINER, a member of the Rockefeller Institute for Medical Research, has been made a member of the Swedish Medical Society of Stockholm.

DR. A. C. SEWARD, F.R.S., professor of botany and master of Downing College at the University of Cambridge, was reelected vice-chancellor of the university for the ensuing academical year beginning October 1 next.

At the annual general meeting of the Institute of Physics, of England, held on May 25, Sir William Bragg was elected president in the place of Sir Charles Parsons, whose term of office expires on September 30.

At a meeting on June 3, Mr. Philip Rowsell, F.C.S., was elected president of the Pharmaceutical Society of Great Britain.

BERTRAND RUSSELL has been appointed Tarner lecturer in the philosophy of the sciences, for 1925-26, at Trinity College, University of Cambridge.

PROFESSOR G. H. F. NUTTALL, Dr. Hugh Scott and Mr. W. A. F. Balfour-Browne have been appointed representatives of the University of Cambridge at the International Congress of Entomology to be held at Zurich in July next.

At the annual meeting of the American Society of Clinical Pathologists, held at Philadelphia, on May 20 to 23, Dr. Frederick E. Sondern, New York, was elected president; Dr. William G. Exton, Newark, N. J., president-elect; Dr. Francis L. Burnett, Boston, vice-president, and Dr. Ward T. Burdick, Denver, secretary-treasurer.

THE delegates from the American Medical Association to the annual convention of the British Medical Association at Bath, in July, are: Dr. William D. Haggard, Nashville, president of the American Medical Association; Dr. George E. de Schweinitz, Philadelphia, a former president of the American Medical Association, and Dr. Howard Fox, New York.

E. T. DUMBLE, consulting geologist for the Southern Pacific Company and its subsidiaries since 1897, having passed the prescribed age limit for active service, was retired on June 1.

THE *Journal of the American Medical Association* states that the Massachusetts Psychiatric Society gave a dinner at the Hotel Somerset, Boston, June 5, in honor of Professors Kraepelin and Plaut, of Munich, Germany, who have been in the United States, Mexico and Cuba for several months, engaged in a study of general paralysis.

DR. VERNON KELLOGG, of the National Research Council, sailed for Europe on June 25 to attend the meeting of the International Research Council at Brussels on July 7 and following days. He will also represent the National Research Council at the meeting of the League of Nations' Committee on International Intellectual Cooperation in Geneva during the last week of July, and will later attend the meeting of the British Association for the Advancement of Science at Southampton as representative of the National Research Council and the American Association for the Advancement of Science.

DR. B. M. DUGGAR, physiologist to the Missouri Botanical Garden, who has been appointed chairman of the division of biology and agriculture of the National Research Council, will spend the months of July and August at the summer office, at the Marine Biological Laboratory, Woods Hole, Massachusetts.

DR. GERALD L. WENDT, dean of the school of chemistry and physics at Pennsylvania State College, attended the International Congress of Pure and Applied Chemistry at Bucharest, Roumania, during the week of June 21 and will spend the summer in Europe.

MRS. AGNES CHASE, assistant agrostologist in the U. S. Dept. of Agriculture, has returned from an eight-months' trip to Brazil. She has brought large collections of grasses. She visited the states of Pernambuco, Bahia, Rio de Janeiro, Minas Geraes and Sao Paulo.

PROFESSOR PRENTICE REEVES, of the department of psychology of the Ohio Wesleyan University, is spending the summer at the Munsell Research Laboratory in Baltimore.

PROFESSOR E. H. JOHNSON, head of the department of physics, Kenyon College, Ohio, has been granted leave of absence for the academic year 1925-26 for study at the University of Chicago.

A. E. O. MUNSELL, director of the Munsell Research Laboratory, Baltimore, is spending the summer as a working guest at the Bureau of Standards in Washington, where he is conducting research in colorimetry in cooperation with the section of colorimetry. Dr. Ferdinand G. Brickwedde (Johns Hopkins, 1925) has been appointed Munsell research associate in colorimetry in the bureau.

PROFESSOR HENRY E. CRAMPTON, professor of zoology in Barnard College, Columbia University, delivered the university oration on the occasion of the one hundred and seventy-first commencement, held on June 3, and presented the candidates for honorary degrees. At the annual initiation ceremonies of the Columbia Chapter of Sigma Xi, held on May 8, Professor Crampton delivered the address to the new members, under the title "The adventure of research."

PROFESSOR JAMES KENDALL, of the department of chemistry of Columbia University, returned on June 5 from a brief visit to Great Britain, in the course of which he delivered lectures on "The mechanism of Ester hydrolysis" before the Chemical Society of London and on "The rare earths" at the University of Edinburgh.

DR. WHEELER P. DAVEY, of the research laboratory of the General Electric Company, will deliver a series of lectures on "Crystal structure and its applications" at the summer session of the graduate school in the physics department of the University of Michigan. There will be eight lectures and eight conferences and laboratory periods in the weeks of July 6 and July 13.

PROFESSOR F. A. F. C. WENT, professor of general botany in the University of Utrecht, lectured on "Modern conceptions of light stimuli in plants" at the Imperial College of Science and Technology, South Kensington, England, on May 25.

THE governor of Massachusetts recently signed a resolve changing the name of the Massachusetts School for Feeble-Minded to that of the "Walter E. Fernald State School," in tribute to the late Dr. Fernald, who was superintendent of the school from 1887 until the time of his death on November 27, 1924.

PROFESSOR PHILIP SPONG (A.B. Butler 1922; M.S. Iowa State College 1923), head of the department of biology of the Wayne State Normal School, Wayne, Nebraska, died of pneumonia at Indianapolis, on May 21, 1925, age twenty-seven years. Professor Spong was a member of the Indiana Academy of Science, the Iowa Academy of Science, the Society of Sigma Xi, and the American Association for the Advancement of Science. He was particularly interested in entomology and herpetology.

THE death is announced at the age of seventy-eight of M. Auguste Pavie, French geographer and explorer.

PROFESSOR GIOVANNI BATTISTA GRASSI, distinguished for his work on the transmission of malaria, died on May 4, aged seventy-one years.

THE Swiss Society of Natural Sciences will hold its hundred-and-sixth annual meeting on August 8-11,

at Aarau, on the river Aar in Switzerland. The scientific proceedings will be distributed over sixteen sections devoted to various aspects of science, and a number of lectures are announced in the general program.

THE Spanish-Portuguese Congress for the Advancement of Natural Science was recently inaugurated at Coimbra University, Lisbon, in the presence of a number of scientific men and men of letters from Spain, while representatives of French and Belgian academies of science were also present and the foreign ambassadors.

THE next International Congress of Entomology will meet at Zurich from July 19 to 26, with the Swiss entomologist Dr. A. von Schulthess as president.

THE ninety-third annual meeting of the British Medical Association will be held at Bath, England, at the close of July, under the presidency of Dr. F. G. Thomson, physician to the Royal United Hospital, Bath, and consulting physician to the Royal Mineral Water Hospital. The annual representative meeting, for transaction of medico-political business and discussion of the internal affairs of the association, will open at Bath on Friday, July 17. The statutory annual general meeting will be held on the afternoon of Tuesday, July 21, and on the evening of the same day the new president will deliver his address to the association. The twelve sections, among which the scientific and clinical work of the meeting is being divided this year, will meet on the three following days. On the last day of the meeting, July 25, there will be excursions to places of interest in the neighboring country.

THE Physiological Society of England has recently held in Leyden several joint meetings with the Physiological and Pharmacological Society of the Netherlands. At the close of the conference, a visit was paid to the laboratories of Professor Zwaardemaker in Utrecht.

A RUSSIAN Society of Endocrinology has been founded at Moscow. It is proposed to start a journal and a library. Medical men and biologists are invited to send copies of their publications of the last ten years to the secretary, Dr. N. A. Schereschewsky, Arbat 26, Moscow.

A PRELIMINARY meeting of the International Congress of Radiology will be held in London from July 1 to 4, under the presidency of Mr. C. Thurstan Holland. The congress will meet in three sections: (1) radiology; (2) electrotherapy and physiotherapy; and (3) physics. During the meeting there will be

an exhibition of apparatus and books at the Central Hall, Westminster, and an exhibition of radiograms in the British Institute of Radiology, including those relating to papers read at the congress.

THE new plant pathology laboratories at the Rothamsted Experimental Station, Harpenden, Herts., were opened on June 18.

SIR WILLIAM MULOCK, chancellor of the University of Toronto, has announced the completion of preliminary arrangements for the raising of \$500,000 for the Banting Research Foundation.

THE sum of £10,000 has been given to the London Hospital by Bernhard Baron to found a pathological institute, to be known as the Bernhard Baron Institute of Pathology. The hospital has also received £10,000 for the inauguration of the Owen Williams research fund, which is to be devoted to the prevention of disease.

AN appropriation of \$25,000 for the work of Rush Medical College of the University of Chicago has been voted by the university board of trustees. In addition Carl D. Greenleaf, of Elkhart, Indiana, has given \$10,000 to the medical college.

THE new house of the British Medical Association in London, now approaching completion, will be opened by the King on July 13. The medical profession officers of bodies cognate with the association, Dominion and Colonial delegates, and the president-elect of the American Medical Association will be present, and medical men from abroad, who will afterwards take part in the scientific proceedings at the Bath meeting, are also expected to attend.

DR. WARREN H. LEWIS, professor of anatomy at the Johns Hopkins University, writes: The first number of a new journal, *Archiv für experimentelle Zellforschung besonders gewebezuchtung (Explantation)* has reached this country. It is edited by Rhoda Erdman, of Berlin, with the collaboration of American, English, Danish, French, German, Italian, Russian and Swiss investigators in the field of experimental cytology. The gradually increasing volume of work in this field during the past ten or fifteen years and the recognition of its fundamental importance in biology assures the success of a journal devoted especially to experimental studies on living cells.

FUNDS to defray part of the expenses of contemplated investigations in the field of therapeutics have been granted by the Therapeutic Research Committee of the Council on Pharmacy and Chemistry of the American Medical Association to the following: Dr. Montrose T. Burrows, research department, Barnard Free Skin and Cancer Hospital, St. Louis; Dr.

Henry A. Christian, department of medicine, Harvard University; Dr. William S. Collens, department of physiology, Cornell University; Enrique E. Ecker, Ph.D., department of immunology, Western Reserve University; Dr. Robert A. Gesell, department of physiology, University of Michigan; Charles W. Greene, Ph.D., department of physiology and pharmacology, University of Missouri; Dr. Paul J. Hanzlik, department of pharmacology, Leland Stanford University; Treat B. Johnson, Ph.D., department of chemistry, Yale University; Dr. Edward B. Krumbhaar, Philadelphia General Hospital; Dr. Clayton S. Smith, department of physiological chemistry and pharmacology, Ohio State University; Dr. Alfred Stengel, medical division, University of Pennsylvania; Dr. Arthur L. Tatum, department of pharmacology, University of Chicago, and Dr. Carl J. Wiggers, department of physiology, Western Reserve University.

DR. MURRAY P. HORWOOD, assistant professor of biology and public health at the Massachusetts Institute of Technology, has been asked to conduct a tuberculosis survey of Boston this summer for the Boston Tuberculosis Association. The survey will not only attempt to ascertain the facts concerning the anti-tuberculosis activities in Boston, but will evaluate them and use them as a basis for a more comprehensive and effective program. The work is being performed with the cooperation of the state and local health departments, the hospitals, clinics and the various social, welfare and voluntary health agencies interested in the anti-tuberculosis campaign.

A PARTY of students and instructors from Louisiana State University spent the greater part of a week recently on Grand Isle at the mouth of Barataria Bay, west of the Mississippi Delta. The trip was the annual field trip of the department of zoology, planned for the purpose of studying at first hand a typical Louisiana fauna. The time was divided between the Gulf beach life, that of the salt marshes at the back of the island, and that of the bay and the open gulf, both pelagic and deep sea forms, the last named specimens being obtained by trawling from one of the shrimp boats. There is also considerable bird life to be observed on the island; though none of the sea birds nests nearer than thirty miles away, they alight there in great numbers to feed. The island is likewise an excellent place for studying the migratory birds in passage. Collectors from the Louisiana State Museum told the university party that they had noted one hundred and fifty recognizable species of migrating birds passing over or alighting on Grand Isle two weeks previously.

THE Evaporated Milk Association has given two fellowships to the University of Chicago, one for \$1,500 to the home economics department for determining the availability of calcium and other minerals, and the other to the department of hygiene and bacteriology for determining vitamin C.

Two industrial fellowships, as a mark of recognition of the lines of investigation pursued there, have been established in the departments of agricultural chemistry and bacteriology, respectively, of the University of Wisconsin. The Quaker Oats Company of America has given \$3,200 to the former as an aid in securing impartial data on vitamins in cereals and their products with special reference to rolled oats and the antirachitic vitamin, and the Commercial Solvents Corporation has allotted \$2,500 to the latter department working in conjunction with the other, to secure data on fermentation problems.

COLGATE AND COMPANY have established a research fellowship at the Woman's Medical College of Pennsylvania, in the department of chemistry, for the purpose of studying the causes of tooth decay. The first Colgate fellow will be Dr. Sylva Thurlow. The work is to be carried on under the direction of the professor of chemistry, Dr. H. H. Bunzell.

DR. A. W. CROSSLEY, presiding at the annual dinner of the Chemical Society, London, referred to the difficult position in which the society finds itself on account of the increased cost of publication. Subscriptions of fellows have been raised, various limitations have been placed upon the distribution of the society's publications, and papers are curtailed as much as possible, yet there is a financial deficit, and no practical means of avoiding it have yet been found. On this situation *Nature* comments: "During the war, chemists saved the nation from disaster by supplying drugs, poison gases and protection from them, and other products demanded by the times, and it does not seem too much to ask that assistance should now be afforded in placing upon record the work they are doing for the advancement of knowledge. When one remembers the vast sums expended upon the verbatim reports of proceedings in Parliament published in the large volumes of Hansard, and considers how trivial most of the matters are in comparison with the original contributions made to a body like the Chemical Society, it is difficult to understand the national sense of value which leaves the society in its present anxious position. Possibly the additional £1,500 received by the Royal Society in aid of scientific publication will enable a grant to be made to the Chemical Society, but in our opinion a very strong case can be made out by many other scientific societies for assistance towards costs of pub-

lication, either from the state or private benefactions, and we should like to see a concerted effort made with the view of securing adequate funds for this purpose."

UNIVERSITY AND EDUCATIONAL NOTES

GIFTS totalling \$4,517,348, in addition to substantial contributions to the special \$10,000,000 fund for chemistry, business and fine arts, were announced by President Lowell at the annual meeting of the Harvard Alumni Association.

PROFESSOR MELVILLE F. COOLBAUGH, of Golden, Colo., has been elected president of the Colorado School of Mines, succeeding Dr. Victor C. Alderson.

DR. WILLIAM S. ELKIN, for seventeen years dean of the Emory University School of Medicine, has resigned and has been elected emeritus dean and emeritus professor of obstetrics and gynecology. Dr. Russell H. Oppenheimer was elected dean to succeed Dr. Elkin.

DR. JASPER LUTHER BEESON, professor of chemistry in the Georgia State College for Women, Milledgeville, has been appointed dean of the College of Arts and Sciences in this institution.

DR. PAUL D. LAMSON, associate professor of pharmacology in the Johns Hopkins University Medical School, has been appointed professor of pharmacology at Vanderbilt University School of Medicine, Nashville, Tenn.

RICHARD M. SUTTON, for three years instructor in physics in Miami University, Ohio, has resigned to take a fellowship in physics at the California Institute of Technology.

PROFESSOR CHARLES SHATTUCK PALMER, who for the past year has been research chemist of the department of scientific research, Institute of American Meat Packers, Chicago, will rejoin the staff of the department of chemistry of Northwestern University in September.

DR. EDWARD SAMPSON, associate geologist, U. S. Geological Survey, has been appointed assistant professor of geology at Princeton University.

DR. WALTHER F. HOLST, son of President Axel Holst, of the University of Christiania, and discoverer of vitamin C, has been elected instructor in poultry husbandry at the University of California.

DR. WALTER NORMAN HAWORTH, professor of organic chemistry in the University of Durham, Armstrong College, Newcastle-on-Tyne, has been appointed professor of chemistry and director of the department of chemistry in the University of Birmingham,