

path of totality crosses Australia in latitudes which, except in Queensland and in a corner of New South Wales, are to the north of the inhabited regions of the continent, and ends near Norfolk Island in the Pacific. It is possible that an Australian expedition will observe the eclipse from the neighborhood of Cunnamulla.

Christmas Island is an isolated island lying to the south of Java in Lat. S.  $10^{\circ} 25'$ , Long. E.  $105^{\circ} 42'$ . It is about 12 miles long and nine broad and rises to a height of over 1,100 ft. The population of the settlement, called Flying Fish Cove, after the warship which discovered the anchorage, is about 250, consisting of Europeans, Indians, Malays, and Chinese. The island is attached to the Straits Settlements administration and was annexed by the United Kingdom in 1888.

#### SCIENTIFIC NOTES AND NEWS

CHARLES R. CROSS, professor emeritus of physics at the Massachusetts Institute of Technology, died on November 16 in Brookline aged seventy-three years.

DR. W. J. MAYO delivered the John B. Murphy memorial address before the meeting of the Clinical Congress of the American College of Surgeons in Philadelphia at which meeting honorary fellowships in the Royal College of Surgeons of Ireland were conferred upon him and on Dr. C. H. Mayo.

C. O. MAILLOUX, chairman of the International Electrotechnical Commission, has been invited by the President of the French Republic to deliver on November 24, the address of eulogy on Ampère. The ceremony will take place at the Sorbonne in Paris.

THE magnetic-survey yacht *Carnegie*, under the command of J. P. Ault, returned to Washington on Thursday, November 10, thus satisfactorily completing her two years' world cruise. Dr. Bauer, director of the Department of Terrestrial Magnetism, joined the vessel at Panama and remained with her until the arrival at Washington. Although considerable rough weather was encountered, it was found possible with the special appli-

ances aboard the *Carnegie*, to make satisfactory magnetic and electric observations daily.

EIGHT medical investigators, five Americans and the other three British, sailed from New York on November 16 on the *Santa Teresa* for Peru, where they will undertake studies of the physiological changes which enable people to live permanently at high altitudes. The party will make their headquarters at Cerro de Pasco, Peru, situated in the Andes at a height of over fourteen thousand feet. The American members of the party are Dr. Alfred C. Redfield, assistant professor of physiology at the Harvard Medical School; Dr. Arlie V. Bock, M.D., of the Massachusetts General Hospital; Dr. Henry S. Forbes, now engaged in research in industrial medicine at Harvard; Dr. C. A. L. Binger, of the Rockefeller Institute, New York, and Dr. George Harrop, late of the Presbyterian Hospital, New York.

SIR ROBERT WOOD, president of the Royal College of Surgeons of Ireland, Sir William Taylor, ex-president of the same organization, and Professor Shoemaker, of The Hague, visited the Mayo Clinic on November 1, 2, and 3. A meeting was held in their honor in the lobby on November 2, at which time Sir Robert Wood gave a brief talk on education in Ireland; Sir William Taylor discussed the organization of the Royal College of Surgeons of Ireland, and Professor Shoemaker spoke on operations on the stomach and colon which he had originated.

A DELEGATION of Serbian physicians, guests of the Rockefeller Foundation, visited the Mayo Foundation on October 27 and 28. The delegation is composed of Dr. G. J. Nikolitch, under-secretary and first medical officer of the Ministry of Health of Serbia; Dr. G. Joannotitch, professor of pathologic anatomy, and Dr. R. Stankovie, professor of internal medicine, in the Belgrade Medical School. Mr. Frank B. Stubbs, of the Rockefeller Foundation, and Dr. Henry John, of Cleveland, accompanied the delegation.

CHARLES E. WEAVER has resumed his professorship of geology in the University of Wash-

ington, after a three-years' leave of absence which he spent in Central and South America as geologist for the Standard Oil Co.

DR. WILLIAM CROCKER, director of research of The Thompson Institute for Plant Research, Yonkers, New York, sailed on the *Olympic* on October 15, for a three- or four-months' stay in Europe. He will visit England, France, Germany, Austria and other European countries for the purpose of acquiring materials for the library and of studying the organization, equipment and activities of the principal biological institutions of Europe.

PROFESSOR C. C. NUTTING, head of the department of zoology at the University of Iowa, who has conducted expeditions to the Bahama Islands and to Barbados and Antigua in the interests of scientific research work at the university, has been invited by Colonel Fell, secretary for the Fiji Islands, to bring an expedition there. Secretary Fell was formerly governor of the Barbados Islands, where he was stationed when the Iowa Expedition visited there in 1918.

M. Y. WILLIAMS, professor of paleontology in the University of British Columbia, Vancouver, is one of a party sent out by the Canadian Geological Survey to make a survey of the Mackenzie River district.

PROFESSOR N. I. VAVILOV, of the Petrograd Agricultural Institute, who can be addressed in care of W. P. Anderson, 512 Fifth Ave., New York, states that the first Russian Eugenics Society was founded in Petrograd and Moscow two years ago; and that the president of this society, Dr. N. K. Koltzon, requests American eugenicists to send their publications to the society through Professor Vavilov. Scientific literature has not reached Russia for the past four years.

PROFESSOR JACQUES CAVALIER, rector of Toulouse and a widely known authority on metallurgical chemistry, is in America as the result of arrangements for an annual exchange of professors of engineering and applied science between French and American universities. Professor Cavalier, who is now at Columbia, will divide his time during the academic year

among the cooperating institutions, Columbia, Harvard, Yale, Cornell, Johns Hopkins, Massachusetts Institute of Technology and the University of Pennsylvania. The American universities have, as has been already noted here, selected as their representative for the first year Dr. A. E. Kennelly, professor of electrical engineering at Harvard and the Massachusetts Institute of Technology.

DR. HAWLEY O. TAYLOR, associate physicist at the Bureau of Standards, has resigned to take charge of the electrical department, Division of Rehabilitation, Franklin Union, Boston. Dr. Taylor was formerly radio engineer of the Signal Corps of the U. S. Army; research physicist of the National Electric Signaling Co., Brooklyn; and research associate at the Massachusetts Institute of Technology.

JOHN MILLS, for ten years a member of the Research Laboratories of the American Telephone and Telegraph Company and the Western Electric Company, has been appointed assistant personnel manager in charge of educational promotion in the engineering department of the Western Electric Company.

PROFESSOR R. C. ARCHIBALD, of Brown University, has been granted leave of absence for the second half of the academic year. He expects to spend it in visiting mathematicians at universities of Italy, France, Belgium, Holland, Scandinavia and Great Britain.

DR. C. C. LITTLE, research associate, of the Station for Experimental Evolution of the Carnegie Institution of Washington, will deliver the second Harvey Society Lecture at the New York Academy of Medicine Saturday evening, November 26. His subject will be "The relation of genetics to cancer research."

PROFESSOR F. E. ARMSTRONG, professor of Mining at Sheffield University, has died at the age of forty-two years.

THE death is reported from Paris, at the age of seventy-two years, of the French engineer, M. Albert Sarpiaux, who had long been connected with the scheme for the construction of a tunnel under the French Channel.