

Young, bow and arrow expert; Robert E. Peary, son of Admiral Peary, discoverer of the North Pole; Carl Dunrud, cowboy of Sweet Grass, Montana; Maurice Kellerman, of Pathé; Edward Manley, radio-operator; Fred Linekiller, taxidermist, and David Binney Putnam, thirteen-year-old son of the director.

GRANTS FROM THE LAURA SPELMAN ROCKEFELLER MEMORIAL

APPROPRIATIONS made by the Laura Spelman Rockefeller Memorial during 1925 included the sum of \$787,800 in the field of child study. Appropriations made in the field of the social sciences were listed in the last issue of *SCIENCE*. In child study appropriations were made to the University of Iowa of \$148,500 over a five-year period; to the University of Minnesota, \$250,000 over a five-year period; and in Canada, to McGill University, \$51,500 over a five-year period; and to the University of Toronto, \$52,000 over a five-year period. In each of these institutions the plan of research on child problems involves interdepartmental collaboration, and the research program is closely articulated with experiments in methods of instruction of parents. The funds voted by the memorial to these institutions are used primarily to provide research assistance and research facilities, the principal research personnel having been already available at these centers.

Other appropriations for research in the field of child development include the Bureau of Educational Experiments, \$9,000 to complete a series of investigations which have continued with support from other sources for many years; Yale University, \$1,800 for research assistance in connection with Dr. Gesell's experiments. To Smith College, \$36,000 over a three-year period was voted to promote study in the co-ordination of women's interests, under the direction of Dr. Ethel Puffer Howes.

A number of appropriations have their particular emphasis on problems of parental instruction rather than research. Funds were voted to Iowa State College of Agriculture and Mechanic Arts, \$22,500 over a three-year period, for instruction of state extension agents; to Cornell University, \$62,000 over a four-year period; to the State College of Agriculture and Mechanic Arts, University of Georgia, \$12,000 over a three-year period, for assistance to the Georgia Parent-Teacher Association; to the Child Study Association, \$4,000 toward the preparation of teaching materials, and to the American Home Economics Association, \$34,000 over a five-year period, to examine the trend in home economics teaching, particularly in relation to content bearing on problems of child development.

To Teachers College, Columbia University, \$50,000

was voted in addition to sums hitherto reported in behalf of the Institute of Child Welfare Research.

To the Institute J. J. Rousseau of the University of Geneva, \$15,000 over a three-year period was voted to provide research assistance and facilities in connection with the institute's researches on child problems.

Provision was made for fellowships to the amount of \$38,000 for individuals for research in this field, or for instruction in methods of parental education. Such fellowships will be handled in the future through the Committee on Child Development of the National Research Council.

SCIENTIFIC NOTES AND NEWS

DR. WILLIAM H. WELCH has resigned the directorship of the Johns Hopkins School of Hygiene and Public Health to accept a full-time chair in the history of medicine in the medical school, which has been endowed by a gift of \$200,000 from the General Education Board. Dr. William H. Howell, professor of physiology and assistant director of the school, will succeed Dr. Welch as director.

IN connection with the recent Johns Hopkins half-century celebration a dinner was given to Dr. John J. Abel, professor of pharmacology in the university, by his former pupils and some of the other contributors to a *Festschrift* recently published in his honor. On this occasion took place the formal presentation of a Morocco bound copy of the volume, which had been issued as Volume XXIX of the *Journal of Pharmacology and Experimental Therapeutics*, which Dr. Abel founded in 1909 and which he continues to edit. Among the contributors to the volume are some of the leading scientific men of Europe and the United States. Congratulatory telegrams and cables were received from Dr. Abel's many friends and colleagues in this country and in Europe.

PRINCETON UNIVERSITY has announced plans to raise a fund of \$50,000 for research in vertebrate paleontology, in honor of Professor William Berryman Scott, senior member of the Princeton faculty and head of the department of paleontology.

ON the occasion of the opening exercises of its new building, the New York Academy of Medicine will give a dinner on November 17 at the Waldorf-Astoria Hotel, in honor of twenty-two newly elected honorary fellows, each of whom has been selected on account of his contributions to medical science in the last twenty years. The new honorary fellows are: Robert Barany, Upsala; Charles James Martin, London; Sir Charles Sherrington, Oxford; Marin T. Tuffier, Paris; Josef Jadassohn, Breslau; Friedrich Neufeld, Berlin;

Carlos Chagas, Rio de Janeiro; Frank Billings, Chicago; George E. de Schweinitz, Philadelphia; John M. T. Finney, Baltimore; Theobald Smith, Princeton; Edward William Archibald, Montreal; Sir George Newman, London; Henry Head, London; George F. I. Widal, Paris; Friedrich Müller, Munich; Vittorio Putti, Bologna; John Jacob Abel, Baltimore; Harvey W. Cushing, Boston; George Dock, Pasadena, Calif.; Chevalier Jackson, Philadelphia; William Sydney Thayer, Baltimore.

THE Lister Medal for distinguished contributions to surgical science, with the honorarium of £500, has been awarded by the committee of representatives from the Royal Society, the Royal Colleges of Surgeons of England and Ireland and the Universities of Edinburgh and Glasgow to Professor A. F. von Eiselsberg, of Vienna. This is the second award of the medal; the first was to Sir William Watson Cheyne. An address is to be given by Professor von Eiselsberg at the Royal College of Surgeons of England, in accordance with the conditions of the trust, on July 7, 1927.

THE University of Leeds has conferred the title of emeritus professor on Professor A. G. Perkin, who recently retired from the chair of color chemistry.

DR. MEYER E. JAFFA, the oldest professor in the University of California from point of service, has retired under the age limit rules and has been made professor emeritus of nutrition.

THE Tufts Biology Club on October 26 combined with its regular meeting a special celebration for Professor Fred D. Lambert, who has been teaching in the department for twenty-two years, in honor of his birthday.

ELMER HIGGINS, formerly director of the Key West (Fla.) biological station, has been appointed assistant in charge of the division of scientific inquiry of the United States Bureau of Fisheries to succeed Dr. Willis H. Rich. Dr. Rich has gone to the west coast, where he will assume the duties of director of the bureau's laboratory at Seattle and of chief salmon investigator in charge of the expanded program of the International Salmon Investigation Federation.

FRANK B. CUMMINGS, of Newton, has succeeded Dr. Lester H. Howard as director of the state division of animal industry, Massachusetts.

DR. DAVID L. EDSALL, dean of Harvard Medical School, has gone to the Peking Union Medical College, in China, at which place he is to be visiting professor of medicine. In Dr. Edsall's absence, Dr. Walter B. Cannon, George Higginson professor of physiology in the school, is the acting dean.

DR. T. A. JAGGAR, in charge of the section of volcanology of the U. S. Geological Survey, has returned to the Hawaiian Volcano Observatory and will be assisted by R. M. Wilson and R. B. Hodges. R. H. Finch has been assigned to take charge of the newly established Lassen Volcano Observatory at Lassen Peak, California.

DR. A. E. EMERSON, associate professor of zoology at the University of Pittsburgh, has been granted a year's leave of absence to continue his studies of the phylogenetic origin of the castes of termites on a Guggenheim Fellowship. Professor Emerson is now working with Professor F. Silvestri, R. Laboratorio di Entomologia Agraria, Portici, Italy.

NEIL M. JUDD, curator of American archeology in the U. S. National Museum, has returned from explorations in New Mexico in behalf of the National Geographic Society. The expedition just concluded marks the sixth field season of the Pueblo Bonito Expedition, under the direction of Mr. Judd.

DR. J. W. GIDLEY, paleontologist of the Smithsonian Institution, has left Washington to investigate reported finds of a fossil elephant at Venice, Florida.

DR. H. U. SVERDRUP sailed from New York on October 14 for Norway to take up the directorship of the Geophysical Institute B at Bergen.

DR. ARTHUR W. HILL, director of Kew Gardens, England, recently spent some days in Washington, visiting the National Herbarium and studying methods of plant quarantine at the U. S. Department of Agriculture.

DR. E. L. TAYLOR, of the Royal College of Veterinary Surgeons, is spending a year in this country studying in the parasitological laboratory of the U. S. Bureau of Animal Industry. On his return to England he will take charge of the parasitological department of the research division of the Ministry of Agriculture.

DR. MICHAEL I. PUPIN, professor of electromechanics at Columbia University, will address the first meeting to be held in the new building of the New York Academy of Medicine, Fifth Avenue and 103rd Street. On this occasion Dr. Pupin will give the Carpenter lecture on the subject of "Ionization and Chemical Reactions."

DR. ROBERT CHAMBERS, professor of microscopic anatomy at Cornell University Medical College, will deliver the second Harvey Society lecture at the New York Academy of Medicine (new building, 103rd Street and Fifth Avenue) on Saturday, November 20. His subject will be "The Nature of the Living Cell revealed by Microdissection."

DR. CECIL HOWARD LANDER, director of fuel research in the Department of Scientific and Industrial Research, London, will give the Robert Henry Thurston lecture of the American Society of Mechanical Engineers on December 7 in New York, as part of the annual meeting of the society.

PROFESSOR R. WILLSTÄTER has been invited to deliver the Dunham lectures at Harvard University in the spring of 1927.

THE Lloyd Roberts lecture for 1926, at the Manchester Royal Infirmary, was delivered by Dr. W. E. Gye on November 9. The subject was "An Outline of the Knowledge gained by the Experimental Study of Cancer."

A REPLICA of the portrait of the late Sir Richard Douglas Powell, by Spencer Watson, was presented to the Royal College of Physicians by his son, Sir Douglas Powell, at the quarterly meeting of the college on October 29.

THE time usually devoted to the meeting of the general staff of the Mayo Clinic, on September 29, was given to the presentation of a bronze tablet commemorating Dr. Russell D. Carman, by the American Roentgen Ray Society.

THE following resolution on the death of Dr. John Howland, professor of pediatrics at the Johns Hopkins University, was passed on October 19: "The board of directors of the Russell Sage Institute of Pathology, in sorrowfully recording the death of their late associate, Dr. John Howland, for seven years a faithful fellow member of the board, desire to express their high esteem of his exceptional intellectual powers, which led to pioneer discoveries in the field of tetany and of rickets; their admiration of his life, which was completely dedicated to the welfare of little children, and their appreciation of the unselfish and lofty idealism of his character." The resolution is signed by Dr. D. M. Delavan, Professor Lafayette B. Mendel, Professor Graham Lusk and Dr. Homer F. Swift.

DR. HERBERT A. HOWE, dean of the college of liberal arts at the University of Denver and director of the Chamberlin Observatory at the university, has died at the age of sixty-eight years.

G. W. LAMPLUGH, F.R.S., formerly assistant director of the British Geological Survey, died on October 9 at the age of sixty-seven years.

DR. WILLIAM E. FOTHERGILL, professor of obstetrics and gynecology at the University of Manchester, died on November 4 at the age of sixty-one years.

PROFESSOR JOHN D. F. GILCHRIST, professor of zoology at the University of Cape Town, South Africa, has died at the age of sixty years.

Nature records the following deaths: Sir John Bucknell, Puisne judge of the Patna High Court, formerly editor of the *Journal of the South African Ornithologists' Union* and author of works on the birds of Surrey and of Cyprus, on October 5, aged fifty-three years; Mr. George Lewis, who devoted the greater part of his life to the study of the Coleoptera, and particularly the Histeridae, visiting China, Japan, Ceylon and Algiers, on September 5, aged eighty-seven years; Mr. Charles Turner, for many years principal of the Manchester School of Pharmacy, who made many contributions to our knowledge of the freshwater algae, on September 10, aged sixty-two years.

DR. JOHN W. BRODNAX, associate professor of anatomy in the Medical College of Virginia, who recently died, was incorrectly reported in *SCIENCE* as being associated with the University of Virginia.

THE Henry M. Sanders laboratory of physics at Vassar College was dedicated on October 18, as already recorded in *SCIENCE*. A lecture by Professor Michael I. Pupin on "The Relation of Physics to Modern Scientific Idealism" initiated a "Physics week" which included other lectures as follows: Professor Thomas H. Morgan, "The Relation of Physics to Biology"; Dr. Willis R. Whitney, "The Relation of Physics and Chemistry to Industry"; Professor Henry Norris Russell, "The Relation of Physics to Astronomy"; Professor Robert A. Millikan, "Changing Conceptions of Matter"; Professor Frederick A. Saunders, "The Relation of Physics to the Fine Arts."

THE next meeting of the Society for Experimental Biology and Medicine will be held at the Rockefeller Institute on November 17, at 8:15 P. M. There are seven papers on the scientific program. Previous to the reading of papers Dr. Donald Van Slyke of the institute will demonstrate gasometric methods for micro-determination of calcium sugar, urea and Kjeldahl nitrogen, on the seventh floor of the hospital building, beginning at 7:30 P. M.

THE highway research board of the National Research Council, of which Dr. Charles M. Upham is director, has announced plans for the sixth annual session of the research board, which will be held at the building of the National Academy of Sciences on December 2 and 3. It is expected that this meeting will be the largest and most important meeting of highway officials hitherto held in Washington.

THE following free public lectures will be given at the New York Botanical Garden during November on Saturday afternoons at 3:30: November 6—"Chrysanthemums," Kenneth R. Boynton; November 13—"Fossil Plants of New York City and Vicinity," Dr. Arthur Hollick; November 20—"Outdoor Roses," F. L. Atkins; November 27—"Nature-Study in National, State, and County Parks," Raymond H. Torrey.

THE Smithsonian Institution has received a letter from Mr. A. Dryden, Keetmanshoop, Southwest Africa, which reports the successful completion of the observatory constructions on Mt. Brukkaros. The cooperation with the Smithsonian Institution disembarked at Cape Town on September 13 and is believed to be nearly ready to begin actual observations of solar radiation on Mt. Brukkaros.

A CELEBRATION of the twenty-fifth anniversary of the Bureau of Standards of the Department of Commerce took place on December 4. The bureau was open to visitors and a banquet was given at which the friends of the bureau met the staff. The achievements of the quarter century were reviewed, and the present and future work discussed. A group of distinguished guests attended.

THE Rockefeller International Education Board has given to Norway a sum of about \$74,000 for the building and equipping of the new Auroral Observatory, and the Norwegian Government has decided to maintain the observatory with an annual budget of about \$12,000. The scientific work will be done in accordance with plans and instructions given by a commission consisting of Director O. Krogness (Geophysical Institute, Tromsø), Professor C. Störmer (University, Oslo), Professor S. Saeland (University, Oslo), Professor L. Vegard (University, Oslo), and the future director of the new observatory.

THE will of Dr. William Sturgis Bigelow, of Boston, who died on October 6, leaves more than \$200,000 in equal shares to the Boston Museum of Fine Arts, Harvard College and the Massachusetts General Hospital.

ACCORDING to the Japanese correspondent of the *Journal* of the American Medical Association seventy-seven medical research workers in colleges and laboratories, public or private, have been given stipends for this year.

A NEW series of numbered papers to be known as *Publications of The American Association of Museums* is to replace *Museum Work*. The magazine completed its eighth and last volume just prior to the annual meeting of the Association in New York last May.

DR. A. P. KNIGHT, director of the Biological Board of Canada, writes that the board has found that all lobster fry die which are hatched out in cold water (58° F. and under) whereas those hatched in warm water (58° and over) have a fair chance of living. The boards therefore directed last summer 17 spawn lobsters to be transported from the cold waters of the western end to the warm waters of the eastern end of St. Mary's Bay, N. S., in the hope that a fair percentage of the resulting 700,000 eggs might survive and become adults.

HEADQUARTERS of The American Association of Museums are again at the Smithsonian Institution, Washington, D. C., in the same suite on the third floor of the old National Museum building which was occupied prior to 1924. The New York offices from which the association has operated since September of that year are now closed. Decision to bring about the change was made by the council of the association at its annual meeting last May, as the chief purpose which had prompted the move to New York had been realized, and it was considered unnecessary to continue under the greater expense which was brought upon the association when it relinquished the hospitality of the Smithsonian Institution. At the time of the move two years ago, the organization had just undertaken a demonstration program under a three-year financial lease of life. Now it has passed the crisis of May, 1926, and plans for its continued support have been substantially grounded. Professor Charles R. Richards, who is on leave as director, will continue in New York. The work at Washington headquarters will go forward under the direction of Laurence Vail Coleman, in the dual capacity of executive secretary and acting director.

THROUGH the efforts of Dr. Willard Rouse Jillson, state geologist of Kentucky, additional state funds in the sum of \$30,000 have recently been secured for cooperative topographic mapping. Coupled with previous appropriations amounting to \$20,000, these new funds give a total of \$50,000 in state moneys now available for this purpose. The United States Geological Survey has matched the new state appropriations, thereby releasing for new topographical work in Kentucky during the present fiscal year \$100,000. About sixty engineers are now at work in Kentucky, which has now been mapped topographically slightly in excess of 50 per cent. About twelve new sheets will be completed this fall, while vertical and horizontal control will be extended over about twice this area. State funds were secured by Dr. Jillson from the State Highway Commission, he having demonstrated by utilizing the new Frankfort quadrangle in location work, that sums greatly in excess of the cost

of topographic work in a region of considerable relief could be saved in new modern highway construction by mapping the region topographically in advance of road location. The program now in hand by the Kentucky Geological Survey forecasts the early completion of the topographical map of Kentucky.

It is announced that one of the world's greatest observatories is to be built on Salève Mountain in French territory, near Geneva, by M. Dina, an American resident of France since 1914. M. Dina is an amateur astronomer, who gave 1,000,000 francs to the French Academy of Sciences for astronomical studies and who is undertaking to increase the efficiency of Mont Blanc observatory. Several lenses for the new observatory are being ground at the Paris Observatory, of which the largest is said to be 58 inches in diameter.

At a meeting of the medical fellowship board of the National Research Council held on September 18 the following were appointed fellows: Dr. Samuel W. Becker, to work at Zurich in the field of dermatology and syphilology; Oran I. Cutler, to work at Stanford University in pathology; Dr. Claus W. Jungeblut, to work in the field of bacteriology and immunology at Columbia University; Dr. David Perla, to work in pathology and experimental medicine, place not yet determined, and Dr. Richard Thompson, to work in bacteriology and serology, place not yet determined. At this meeting five fellows were reappointed. Two of them, Dr. Charles Weiss and Dr. Maurice B. Visscher, have since resigned, Dr. Weiss to become director of the laboratories of the Presbyterian Hospital at San Juan, Porto Rico, and Dr. Visscher to take a position in the department of physiology at the University of Tennessee. The other appointments are Dr. Ralph Waldo Gerard, in the field of physiology to work in Berlin, Cambridge and Oxford; Dr. Robert O. Loebel, for six months, to continue his work in physiology at the Russell Sage Institute of Pathology, New York, and Jeffries Wyman, Jr., for two months, on the field of physiology, to work at the University of London.

WE learn from *Nature* that the following courses of lectures have been arranged at the Royal Institution during November and December. The Tyndall lectures will be delivered by Dr. G. W. C. Kaye, who will commence a course of three lectures on the acoustics of public buildings on November 2 at 5.15; and on November 23 Sir William Bragg begins a course of four lectures on the imperfect crystallization of common things. On Thursday afternoons, beginning on November 4, there will be two lectures by Sir Edgeworth David on Antarctic exploration of the past and future; three by Dr. R. R. Marett on the arche-

ology of the Channel Islands; and two by Sir Squire Sprigge on (1) early medical literature and (2) medical literature in relation to journalism. On November 27 and December 4, at three o'clock, Dr. G. C. Simpson will give two lectures on atmospheric electricity. The juvenile lectures this year, the hundred and first course, will be delivered by Professor A. V. Hill on nerves and muscles, how we move and feel: (1) Nerves and the messages they carry (December 28); (2) muscles and how they move (December 30); (3) the heart and some other muscles (January 1); (4) the lungs and blood (January 4); (5) nerves and muscles working together (January 6); (6) speed, strength and endurance (January 8).

THE REVEREND HILDERIC FRIEND, who recently presented his collections of earthworms to the British Museum, has now given to the biological department of the University of Birmingham a further collection of material, consisting in tubes of oligochaetes (chiefly enchytraeids) and water worms—some of them type specimens and quite unique. The gift also includes a valuable collection of books and MSS. and material relating to the distribution of annelids in Great Britain and Ireland.

A DEPARTMENT of fisheries under the Ministry of Agriculture is being established in Siam. It is believed that the fisheries are capable of very considerable development.

MR. JOHN D. ROCKEFELLER, JR., has presented three and a half million francs to the University of Strasbourg for the enlargement of the ear and nose clinic and for the completion of various unfinished researches.

GIFTS totaling \$500,000, the income from which is to be used for research in and the teaching of ophthalmology at the Massachusetts Eye and Ear Infirmary, were announced on November 5 at a banquet of officials and guests of the board of management held at the Algonquin Club in observance of the one hundredth anniversary of that institution and of the official opening of the \$1,500,000 drive. In addition, James Dean, chairman of the drive, stated that \$250,000 more was in sight from special sources, hence the public would be asked for \$750,000, of which \$320,000 would be used to construct a new out-patient building.

THE Commonwealth Fund has announced plans for the establishment, on July 1, 1927, of an Institute for Child Guidance, of which Lawson G. Lowrey will be director. The institute has been established on the experience gained in the operation of the fund's five-year program in the field of juvenile delinquency.

THE laboratory of W. Faitoute Munn, the Munn Laboratories, has recently moved from 518 Main

Street, East Orange, N. J., to 318 White Street, Orange, N. J., where larger quarters have been obtained for the continuance of research problems and investigation.

UNIVERSITY AND EDUCATIONAL NOTES

THE late Dwight William Tryon, for thirty-three years head of the art department of Smith College, has left to the college \$355,340.

GROUND was broken on November 5 on the first unit of the Bryan Memorial University, to be built on a knoll overlooking Dayton, Tenn., where William Jennings Bryan died.

GROUND will be broken this week for the construction of a new science building at Fordham University. The building will be three stories high and will contain twelve classrooms. The estimated cost will be \$275,000.

DR. DETLEV W. BRONK, assistant professor of physiology in the University of Michigan Medical School, has resigned his position to take charge of the department of physiology and bio-physics in the division of biology at Swarthmore College. He is also associated with the school of medicine of the University of Pennsylvania as instructor in physiology.

ASSOCIATE PROFESSOR G. SIMON, of Adelbert College, Western Reserve University, has been promoted to a full professorship of mathematics.

DR. ARTHUR CURTIS has been appointed head of the department of gynecology at the medical school of Northwestern University, to succeed the late Dr. Thomas Watkins.

DR. WILLIAM B. PORTER, now chief of the department of medicine, Lewis-Gale Hospital, Roanoke, Virginia, has been elected whole-time professor of medicine at the Medical College of Virginia, Richmond. Next summer, after studying medical educational procedures in leading American and European universities during the coming winter and spring, Dr. Porter will take up his active work at the college.

HENRY A. BEHRE, of Scarsdale, N. Y., has been appointed assistant professor of mining in the Sheffield Scientific School of Yale University. Professor Edward A. Robinson, of the University of Chicago, has been appointed visiting associate professor of psychology.

At the University of Pittsburgh, the following instructors have been added to the staff of the department of zoology: Dr. E. Alfred Wolf, from Breslau;

Jean MacCreight, from the University of Pittsburgh, and A. W. Kozelka, from the University of Wisconsin.

DR. RALPH W. MENDELSON has arrived in New Orleans to take up his work as assistant professor of tropical medicine at Tulane University School of Medicine under the direction of Professor Aldo Castellani.

DISCUSSION AND CORRESPONDENCE

A PRICELESS DARWIN LETTER

THE day of publication of the immortal volume entitled "On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life" was November 24, 1859. On the same day Charles Darwin, who at the time appears to have been taking the cure at Ilkley, wrote the following highly characteristic letter to his friend Huxley:

ILKLEY, WELLS HOUSE
OTLY, YORKSHIRE

24th

My dear Huxley

I have heard from Murray today that he sold whole edition of my Book the first day, & he wants another instantly, which confounds me, as I can make hardly any corrections. But a friend writes to me that it ought to be Geoffroy DE St. Hilaire: my memory says *no*. Will you turn to a title-page & tell me soon and forgive me asking this trouble.

Remember how deeply I wish to know your general impression of the truth of the theory of Natural Selection.—only a short note—at some future time if you have any lengthy criticisms, I sd be infinitely grateful for them. You know well how highly I value your opinion.—In Haste, for I am bothered to death by this new edition

Ever yours
C. DARWIN

The letter reveals many of Darwin's characteristics: First, his modesty regarding his work, expressed indirectly in his surprise that his publisher sold the whole edition on the first day; second, his difficulty in writing, as shown in the abbreviated style of this letter and in his feeling "confounded" by the demand for certain corrections; third, his feeling of hesitation in putting forth the theory of Natural Selection and his desire to secure Huxley's general impression as to its truth; fourth, his thoughtfulness in asking Huxley "only a short note" and at some future time lengthy criticisms, if they were forthcoming; fifth, the very high value he placed upon Huxley's opinion, in contrast to his doubt as to his own opinions; finally, his dismay at the thought of corrections for a new edition, which "confounded" him and "bothered him to death."