

zymes, and his analysis of their biological activity and chemical identity; his recent investigations of the nature and activity of bacteriophage have led to a better understanding of this important biological and chemical problem; a biochemist of the first rank, a dexterous technician in his art and a master in his science.

DOCTOR OF LETTERS

Arthur Oncken Lovejoy, professor of philosophy emeritus of the Johns Hopkins University after twenty-five years of service; past president of the American Philosophical Association, an organizer and a president of the American Association of University Professors; his many articles and books dealing with philosophy and the history of thought, notably "The Great Chain of Being," and "Primitivism and Related Ideas in Antiquity," attest to his high quality as a scholar; a philosopher with a catholicity of knowledge, and a singular power of analysis and criticism, a humanist deeply interested in the history of ideas in whatever field.

DOCTOR OF LAWS

Abraham Flexner, creator and until recently director of the Institute for Advanced Study; a graduate of the Johns Hopkins University in the early years of that institution; his reports upon medical education in this country as an expert of the Carnegie Foundation for the Advancement of Teaching and his labors in the Division of Medical Studies of the General Education Board resulted in fundamental reform in medical education in the United States; critic of education and author of books on colleges and universities in this country and in Europe, he dreamed of a new type of institution of higher learning, and his dream has come true in the institute nearby.

RECENT DEATHS AND MEMORIALS

DR. GEORGE G. SEARS, emeritus professor of medicine of the Harvard Medical School, died on May 27 in his eighty-first year.

DR. WILLIAM MCCracken, professor of chemistry at the Western State Teachers College, Kalamazoo, Mich., died on June 13, at the age of seventy-six years.

CAROLINE SHELDON MOORE, since 1921 associate professor of biology, University of Redlands (Calif.), died on May 22 at the age of sixty-nine years.

DR. DAVID PERLA, since 1927 associate pathologist and immunologist at Montefiore Hospital, New York City, died on June 14 in his fortieth year.

THE death is announced of Roger Smith, formerly of the Great Western Railway Company, past-president of the British Institution of Electrical Engineers, at the age of seventy-seven years.

CEREMONIES were held on June 1 at the State College of Washington in dedication of a granite block and bronze tablet to the memory of Dr. William J. Spillman, who originated the first hybrid wheats at the Washington Agricultural Experiment Station and in 1900 and 1901 independently rediscovered Mendel's Law of Recombination. The boulder marks the site of his experimental plots where, at his request, his ashes were placed following his death in 1931. When his wife, Mattie Ramsay Spillman, died in 1935, her ashes were placed with those of her husband. A bronze tablet in their memory is being placed in James Wilson Hall, the agricultural building. Dr. Spillman was agriculturist on the staff of the "Agricultural College, Experiment Station, and School of Science" from 1894 to 1901, immediately preceding his career with the U. S. Department of Agriculture. At the exercises, addresses of tribute to Dr. Spillman were delivered by Dr. E. O. Holland, president of the State College of Washington, and Edward C. Johnson, dean of the College of Agriculture and director of the Agricultural Experiment Station.

A PORTRAIT of Professor Benjamin Silliman (1779-1864), the American physicist, by Samuel F. B. Morse, inventor of the telegraph, has been acquired by Yale University. The acquisition was made possible by the generosity of a graduate of Yale, who purchased the portrait. The picture was formerly owned by the Nantucket Athenaeum, Nantucket, Mass. The canvas, fifty-six by forty-four inches, was painted in 1825. Considered a fine example of the work of Morse as a painter, it shows Professor Silliman in a black coat standing behind a marble-top table as though delivering a lecture. His left hand rests on some books, while his right hand holds a piece of mineral. Various other minerals are scattered on the table, and a red curtain at the left, and East Rock, New Haven, at the right, form the background. The portrait is to be placed in a wall panel designed for it in Silliman College.

SCIENTIFIC NOTES AND NEWS

THE American Association for the Advancement of Science has this week been holding its one hundred and sixth meeting in Seattle, Washington, under the presidency of Dr. Albert F. Blakeslee, director of the department of genetics of the Carnegie Institution of Washington. The Pacific Division is holding its twenty-fourth meeting at Seattle, with Dr. Lewis M.

Terman, professor of psychology of Stanford University, as president. Twenty-seven independent and affiliated societies are participating in the meeting. A preliminary announcement by Dr. F. R. Moulton, permanent secretary of the association, is printed in *SCIENCE* for May 17; a full report will appear in an early issue.

DR. FRANK HOWARD LAHEY, of Boston, director of surgery at the Lahey Clinic, formerly professor of surgery at the Medical School of Tufts College, was elected at the New York meeting president of the American Medical Association. Dr. Parke G. Smith, of Cincinnati, was elected vice-president.

At the commencement exercises of the University of Pennsylvania the degree of doctor of science was conferred on Dr. John Alexander, professor of surgery at the University of Michigan; on Dr. Clarence E. McClung, retiring professor of zoology and director of the Zoological Laboratory of the University of Pennsylvania, and on Dr. George H. Meeker, professor of biochemistry and dean of the Graduate School of Medicine at the university. The degree of doctor of laws was conferred on Dr. John A. Schaeffer, president of Franklin and Marshall College, formerly vice-president and director of research of the Eagle-Picher Lead Company.

WASHINGTON UNIVERSITY, St. Louis, at its seventyninth commencement on June 11 conferred the degree of doctor of laws on Dr. Herbert Spencer Gasser, director of the Rockefeller Institute for Medical Research; on Dr. Eugene Lindsay Opie, professor of pathology at Cornell University Medical College, and on Dr. Walter Bradford Cannon, professor of physiology at Harvard University, retiring president of the American Association for the Advancement of Science, who gave the principal address. The degree of doctor of science was conferred on Dr. Edward Adelbert Doisy, professor of medicine at the School of Medicine of St. Louis University.

LEHIGH UNIVERSITY conferred at commencement on June 10 the honorary degree of doctor of engineering on Dr. Alexander G. Christie, president of the American Society of Mechanical Engineers and head of the department of mechanical engineering at the Johns Hopkins University.

DR. THOMAS HARPER GOODSPEED, professor of botany and director of the botanical gardens of the University of California, was given the honorary degree of doctor of science by Brown University on June 17 "in recognition of distinguished service in his chosen field, rendered by an alumnus of Brown University."

At Union College, Schenectady, N. Y., the degree of doctor of science has been conferred on Dr. Saul Dushman, associate director of the General Electric Research Laboratory, Schenectady, N. Y.; on Le Roy Odell, Pan American Airways engineer; on Arthur C. Parker, archeologist and director of Rochester Municipal Museum, and on John Albertson Sampson, gynecologist.

THE Linnean Society medal was presented on May 24 to Sir Arthur Smith Woodward, from 1901 to 1924

keeper of the geological department of the British Museum. The Crisp award and medal were presented to D. J. Scourfield in recognition of the importance of his paper on "The Oldest Known Fossil Insect," recently read before the society.

LE DUC DE BROGLIE, member of the French Academy, distinguished for his work on x-rays and x-ray spectroscopy, has been elected a foreign member of the Royal Society, London.

THE College of Physicians of Philadelphia has awarded the Alvarenga Prize to Dr. E. Goodpasture, professor of pathology at Vanderbilt University, "for his outstanding contributions to the knowledge of viruses." This prize was established by the will of Pedro Francisco da Costa Alvarenga, of Lisbon, Portugal, an associate fellow of the College of Physicians, and is awarded annually by the College of Physicians "on each anniversary of the death of the testator, to the author of the best memorial upon any branch of medicine, which may be deemed worthy of the prize."

THE first annual Jewish Veterans award for American leadership was presented at a luncheon given on June 10 in New York City to Dr. James Bryant Conant, president of Harvard University, in recognition of his "courageous devotion to the cause of humanity and intellectual freedom."

MEDALS awarded by the American Medical Association for scientific exhibits at the recent New York meeting included: a gold medal to Dr. Charles B. Huggins, Philip Clark and W. W. Scott, of the University of Chicago, for an exhibit illustrating experimental benign hypertrophy of the prostate in the dog; a silver medal to Dr. John R. Paul and Dr. James D. Trask, of the School of Medicine of Yale University, for an exhibit illustrating a rural epidemic of poliomyelitis, clinical and geographical features, and a bronze medal to Charles F. Nelson and Roland C. Nelson, of the Nelson Clinic, Beverly Hills, Calif., for an exhibit on bone metabolism.

DR. MARSTON TAYLOR BOGERT, past president of the Chemists' Club, only survivor of the original incorporators of the club, was the guest of honor at a dinner given on May 24 to mark his election to honorary membership in the club. Dr. F. C. Whitmore, of the Pennsylvania State College, presided. Other speakers were Dr. Leo H. Baekeland and Dr. Harry L. Fisher. A scroll in token of Dr. Bogert's election to honorary membership was presented to him at the dinner, which was attended by more than a hundred members and guests.

PROFESSOR LAO G. SIMONS, chairman of the department of mathematics at Hunter College, who is retiring after forty-five years of service, was guest of her

colleagues and friends at a dinner held in her honor on June 18. President George N. Shuster was the toastmaster. Mrs. Jewell Hughes Bushey, associate professor, has been elected chairman of the department.

DR. WILLIAM M. BARR, chief chemical and metallurgical engineer of the Union Pacific Railroad Company, has been nominated for president of the American Society for Testing Materials. Herbert J. Bell, head of the department of textile engineering of Lowell Textile Institute, Mass., has been nominated for vice-president.

OFFICERS of the Electrochemical Society include: *President*, Dr. Frank C. Mathers, Indiana University; *Past-president*, Dr. H. Jermain Creighton, Swarthmore College, and *Vice-presidents*, D. A. Pritchard, Dr. Alexander Lowy, J. D. Edwards, E. M. Baker, G. B. Hogaboom, Sr., and Dr. M. de K. Thompson. The next convention of the society will be held in Ottawa, in the Hotel Chateau Laurier from October 2-5.

DR. WILLIAM DEB. MACNIDER, Kenan research professor of pharmacology in the Medical School of the University of North Carolina, who for the past three years has served as dean of the Medical School, has resigned from the deanship, his resignation to become effective on July 1.

DR. BASIL C. H. HARVEY, professor of anatomy and dean of students of the division of biological sciences of the University of Chicago, will become professor emeritus next September.

PROFESSOR CHARLES WILSON BROWN, chairman of the department of geology at Brown University, will retire at the close of the college year. He was appointed instructor in 1905, and since then has been connected with the department.

DR. BENJAMIN H. WILLIER, since 1933 head of the division of biological sciences at the University of Rochester, has been appointed Henry Walters professor of zoology at the Johns Hopkins University. He succeeds Dr. Herbert S. Jennings.

It is planned to divide the department of electrical engineering and physics of the Rensselaer Polytechnic Institute into two departments. Professor Matthew A. Hunter, in accordance with his long expressed desire, will be relieved of his duties as acting head, so that he can devote his full time to directing the department of metallurgical engineering. He has served for years in both capacities. Professor Wynant J. Williams becomes head of the new department of electrical engineering, and Professor Robert A. Patterson becomes head of the new department of physics.

DR. S. P. POOLE has been appointed to a professor-

ship of geography at Syracuse University, Dr. James E. Maynard to an associate professorship of geology, Dr. Eric Faigle to an associate professorship of geography. Dr. Joseph A. Russell has been made assistant professor of geography and Dr. John G. Broughton, instructor in geology.

DR. NORMAN CAMERON, formerly associate professor of psychology at Cornell University Medical College and assistant attending psychiatrist at the New York Hospital, has been appointed professor of psychology and chairman of the department of psychology at the University of Wisconsin. During the past year Dr. Cameron has been acting professor and acting chairman of the Department of Psychology at Wisconsin.

DR. HANS BETHE, professor of physics at Cornell University, has been granted a sabbatic leave from February, 1941, until February, 1942. He will spend the spring semester of 1941 at Columbia University, where he has been invited to lecture.

DR. KENNETH B. TURNER, assistant professor of medicine of the College of Physicians and Surgeons of Columbia University, was assigned to the School of Tropical Medicine during the month of May to assist in the reorganization of the University Hospital, which was reopened for service on March 18. Dr. Ramón M. Suárez has been appointed head of the department of clinical medicine. Dr. A. V. Hardy, of the DeLamar Institute of Public Health and Hygiene of Columbia University and a member of the National Advisory Council of the U. S. Public Health Service, has been promoted to an associate professorship in epidemiology. He will organize a department of post-graduate studies in public health within the school and will ultimately assume the direction of this department, which will be conducted in cooperation with the Insular Department of Health and the University of Puerto Rico.

DR. ARNOLD DEM. WELCH, instructor in pharmacology at Washington University School of Medicine, has become chief pharmacologist for Sharp and Dohme, Inc., with laboratories at the biological division in Glenolden, Pa.

DR. OSWALD SCHREINER has been appointed adviser on soil problems to Dr. E. C. Auchter, chief of the Bureau of Plant Industry.

DR. FREDERICK A. LINDEMANN, professor of experimental philosophy at the University of Oxford, has been appointed adviser concerning statistics and research to the Prime Minister of England.

THE officers, executive committee and members of the Division of Geology and Geography, National Research

Council, for the year beginning July 1, are as follows: *Chairman*, Walter H. Bucher; *Vice-chairman*, Richard Hartshorne, *Executive Committee*, Walter H. Bucher, Richard Hartshorne, Norman L. Bowen, Wilmot H. Bradley, Charles B. Hitchcock, A. I. Levorsen; *Representatives of Societies*, Wilmot H. Bradley and Stephen R. Capps—Geological Society of America; George Tunell—Mineralogical Society of America; Charles E. Resser—Paleontological Society; Richard Hartshorne and C. Warren Thornthwaite—Association of American Geographers; Charles B. Hitchcock—American Geographical Society; W. S. Burbank—Society of Economic Geologists; Robert B. Sosman—American Ceramic Society; A. I. Levorsen—American Association of Petroleum Geologists; *Members at Large*, Norman L. Bowen, Walter H. Bucher and Charles C. Colby.

THE sixty-fourth meeting of the American Astronomical Society will be held at Wellesley College from September 11 to 14.

The Australian Journal of Science announces that the Adelaide meeting of the Australian and New Zealand Association for the Advancement of Science will open on August 19. Social functions will be restricted, but sectional excursions will afford members opportunity for meeting together informally. It is hoped that longer excursions to places of scientific and industrial interest may be arranged in cooperation with the South Australian Tourist Bureau and the companies and departments concerned. The incoming president will be Dr. Patrick Marshall, testing officer in the Public Works Department, New Zealand. He succeeds the late Sir Ernest Scott.

Nature states that an Austrian Academy in Great Britain has been founded, the honorary president of which is Sir George Franckenstein, formerly Austrian Minister in Great Britain. The academy is arranging lectures, which will be delivered, as a rule, in English,

and will be open to the public, on Austrian culture, and it is hoped to organize exhibitions and other activities in collaboration with the Austrian Circle for Arts and Sciences. The inaugural meeting of the academy was held at the Royal Institution on May 2; among the speakers were Professor Gilbert Murray, Professor E. Schrödinger (for the Austrian Academy) and Sir William Bragg. A "Society of Friends of the Austrian Academy" has been established to collaborate with the academy and to further its scientific and cultural activities. Members of the society will be admitted free of charge to all regular lectures, and will have special privileges for other functions arranged by the academy. According to the official statement the object of the academy is to "furnish a means for the many exiled scholars and artists at present in England to spread the knowledge of Austrian culture and achievement and to continue their work in art and music."

THE endowment for the Arno B. Luckhardt Fellowship Fund, started in 1932, has now, through contributions from former students, colleagues and other friends of Dr. Luckhardt and the aid of the University of Chicago, reached the sum of \$25,000. This will yield an annual income of about \$1,000. This fellowship is administered by the department of physiology. Dr. Alexander Rush, great-great-grandson of Dr. Benjamin Rush, has been appointed fellow for next year.

IN the issue of *SCIENCE* for May 10, page 443, in the article entitled "Expeditions of the Smithsonian Institution" the statement is made that Rose Atoll belongs to the Phoenix Group and that Tau Island is an atoll. Rose Atoll belongs to the Samoan Group and Tau Island is not an atoll but a high volcanic island. The errors indicated do not occur in the original publication but were inadvertently included by the correspondent who prepared the press release.

DISCUSSION

WHAT IS A "PRE-AMERINDIAN"?

DESPITE its obvious usefulness the term "Amerind," suggested in 1899 by Major Powell as a substitute for the inappropriate terms used to designate the race of man inhabiting the New World before its occupancy by Europeans, has strangely enough found scant favor. Its meaning, however, is clear, referring as it does to the various physical types incorporated into and ancestral to the American Indian. Recently, Dr. Kirk Bryan has several times employed the term "Pre-Amerindian" in referring to the Folsom and other lithic horizons, some of which have been found in association with extinct animals.¹ Since no human

remains have yet been found in America which represent any ancient type radically different from portions of the variable modern Indian population there seems as yet no biological justification for such usage. Dr. Bryan, however, seems to base his case mainly on cultural evidence, since he believes the Folsom and other cultural complexes are genetically different from those of the "late Neolithic American Indian" (1940, p. 1). If this were actually the case there would indeed be an excellent chance that "Folsom man," when he is finally found in association with such artifacts, might prove to be a widely divergent and unique physical type. However, Dr. Bryan's conception of the Ameri-

¹ *SCIENCE*, 87: 2259, 343-346, April 15, 1938. *Bull. Texas Archeol. and Paleont. Soc.*, 11: 9-42, September,

1939; and Kirk Bryan and Lewis F. Ray, *Smithsonian Miscellaneous Collections*, 99: 2, 1940.