

Committee on the Regulation of Athletic	
Sports	714,849.02
Dormitories	515,890.35
Non-departmental	278,220.40
Awards to students	400,354.52
Total	\$8,153,931.86

PROGRAM OF THE ANNUAL MEETING OF THE AMERICAN INSTITUTE OF CHEMISTS

THE program for the annual meeting of the American Institute of Chemists, to be held at Yale University on March 28, has been announced by Professor Treat B. Johnson, president of the institute, and indicates that virtually every phase of relations between the chemist and his employer will be considered. The meeting will be held from 1:30 to 5:00 P. M., in the Sterling chemistry laboratory, while a public meeting will be held in Woolsey Hall in the evening, at which the chief speaker will be William H. Jardine, United States Secretary of Agriculture.

The afternoon meeting will open with a symposium on "Chemists' Contracts." Dr. L. V. Redman, of the Bakelite Corporation, of Bloomfield, N. J., will discuss the general subject of contracts with employees from the standpoint of the employer. This will be followed by a paper by Dr. William M. Grosvenor, consulting chemist of New York City, and Lloyd Van Doren, also of New York City, on "Chemists' Employment Contracts." Professor Arthur L. Corbin, of the Yale School of Law, will then read a paper on "The Underlying Principles of Employment Contracts." Following the three prepared papers, the symposium will be thrown open for general discussion from the floor. This session promises to be one of the important features of the symposium, and several speakers of prominence have volunteered to cooperate by leading in the open discussion.

Professor Johnson stated that this is the first sincere attempt to be made in the United States to advance in a public way the status of the chemist as a professional worker. One way in which this can be done is to have established the proper legal relationships between the employer and employee. He pointed out that the chemist to-day is like an inventor, and that if he contributes something which is valuable to the employer and community, he is entitled to more than his salary for his services.

The members of the institute will meet at a banquet to be held in the president's reception room in memorial hall of Yale University, at which Dr. C. H. Herty, adviser to the Chemical Foundation, New York City, will be toastmaster.

At the session in Woolsey Hall at 8:15, Professor Henry Solon Graves, provost of Yale University, will

preside. Secretary Jardine is to speak on "Agriculture and Modern Science," and will tell of recent developments in chemistry and their relation to agriculture, and describe the work being done in the U. S. Bureau of Chemistry. Before Secretary Jardine speaks, announcement will be made of the name of the recipient of the American Institute of Chemists' Gold Medal for the year 1927. The exercises will be broadcast through Station WTIC, of Hartford, Conn.

SCIENTIFIC NOTES AND NEWS

CHARLES TATE REGAN, F.R.S., has been appointed director of the natural history department of the British Museum, in succession to Sir Sidney Harmer, who retired on March 9. Dr. William Thomas Calman, F.R.S., has been appointed to succeed Mr. Regan as keeper of zoology.

ON January 1 of this year, as has already been noted here, Professor E. J. Baillaud retired from the directorship of the Paris Observatory at the age of seventy-eight. The astrophysical observatory at Meudon near Paris has been combined with the Paris Observatory and Dr. Deslandres, director of the former, is now in charge of both institutions.

THE William Wood Gerhard gold medal of the Philadelphia Pathological Society will be awarded on April 21, at the annual conversational meeting of the society, to Dr. Theobald Smith, director of the department of animal pathology of the Rockefeller Institute for Medical Research. Dr. Smith will deliver the annual lecture on that date, the title being: "The Passing of Disease from one Generation to another and the Processes tending to counteract it." The Gerhard medal of the Philadelphia Pathological Society was established in 1925 to be given as an award for eminent work in pathology.

DR. L. O. HOWARD has been elected honorary member of the New York Entomological Society in recognition of his many and great services to entomology, especially as chief of the bureau of entomology of the U. S. Department of Agriculture.

ON the occasion of the eightieth birthday of Father John George Hagen, director of the Vatican Observatory and formerly of Georgetown University, Pope Pius personally presented him with a specially cast gold medal.

ON February 8 Pennsylvania State College conferred the technical degree of engineer of mines upon David J. Price, engineer in charge of development work in the U. S. Bureau of Chemistry, in recognition of his technical accomplishments in engineering.

THE prize of the value of \$250 for the best paper on scientific instruments published during the calendar

year 1926 in the *Journal of the Optical Society of America* and *Review of Scientific Instruments* has been awarded to Professor Horatio B. Williams, Dalton professor of physiology at the College of Physicians and Surgeons, New York City, for his paper on "The Einthoven String Galvanometer," which appeared in the September issue of the *Journal*. Honorable mention was made of the paper by Mr. Leo Behr on "A New Relative Humidity Recorder," which appeared in the June (1926) number. The committee of award consisted of Professor S. R. Williams, Amherst College, *chairman*; Dr. Albert W. Hull, of the General Electric Research Laboratory, Schenectady, and Professor W. G. Cady, of Wesleyan University.

DR. G. E. COGHILL has been added to the editorial board of the *Journal of Comparative Neurology*, which has been reorganized as follows: C. Judson Herrick, University of Chicago, *chairman*; Henry H. Donaldson, the Wistar Institute; J. B. Johnston, University of Minnesota; Adolf Meyer, the Johns Hopkins Hospital; Oliver S. Strong, Columbia University; G. E. Coghill, the Wistar Institute, *managing editor*. Papers may be submitted to any of the editors; proofs and all business correspondence should be addressed to the Wistar Institute, Philadelphia, Penna.

ROBERT J. FORMAD, formerly instructor in histology in the University of Pennsylvania, is now working as a specialist in rabies in the U. S. Bureau of Animal Industry.

C. L. McARTHUR, chief technologist for the F. X. Baumert Co., Inc., cheese manufacturers, has joined the staff of Arthur D. Little, Inc., of Cambridge, Mass. Mr. McArthur was formerly head of the department of bacteriology of the University of Arkansas.

ROBERT W. HENRY, formerly of the Mellon Institute, Pittsburgh, Pa., has resigned as research chemist for the Gulf Refining Co., at Port Arthur, Texas, to accept a position in the research laboratory of the Marland Refining Co., Okla.

W. O. HOWARTH, lecturer in botany at the University of Manchester, has been appointed to supervise research in mycology under the scheme of the British Empire Cotton Growing Corporation. Mr. H. G. Chippindale has been appointed research assistant in mycology under the same scheme.

THE trustees of the British Museum have appointed Dr. W. D. Lang, assistant keeper in the department of geology, to a deputy keepership in the same department.

PROFESSOR J. FRANCK, director of the Second

Physical Institute, University of Göttingen, has accepted a lectureship in physics and chemistry at the University of California for the month of February or March, 1928. Professor Franck will lecture on problems connected with his own researches and will be available for conferences with members of the staff and research students in the departments of physics and chemistry.

DR. SELIG BRODETSKY, professor of applied mathematics at the University of Leeds, recently arrived in the United States to make a tour of the country in the interest of the University of Jerusalem, of which he is one of the governors.

DR. ROY CHAPMAN ANDREWS, of the American Museum of Natural History, sailed from Seattle on March 15, en route to the Gobi Desert in China, where further explorations are planned.

WM. H. ADOLPH, of the department of chemistry of Chee-Loo University, Tsinan, Shantung, China, is on leave in the United States, and during the spring will be located at Yale University.

DR. EDGAR T. WHERRY, of the U. S. Bureau of Chemistry, will be the official representative of the American Association for the Advancement of Science at the approaching meeting of the Virginia Academy of Science, to be held at Blacksburg, Va., May 6 and 7. He will give an address on "Visits to the Haunts of Virginia's Rare and Endemic Plants."

DR. WILLIAM CROCKER, director of the Boyce Thompson Institute for Plant Research, Yonkers, New York, gave two lectures at Pennsylvania State College on March 15; one before the botany seminar on "Plant Propagation," and one before the local chapter of the A. A. A. S. on "Equipment and Organization for Plant Research."

ON March 5, P. H. Dorsett, agricultural explorer, U. S. Bureau of Plant Industry, delivered an address to the Royal Canadian Institute on the subject "Plant Hunting in North China."

DR. VICTOR C. VAUGHAN, formerly dean of the medical school at the University of Michigan, will give the principal address at the spring meeting of the American Chemical Society, which meets in Richmond from April 11 to 14.

ON February 12, Dr. R. W. Chaney, of the Carnegie Institution, gave a lecture on the botanical results of the third Mongolia expedition at the annual meeting of the California Botanical Society in Berkeley. Professor J. H. Priestley, of Leeds University, England, discussed the advantages of provincial botanical societies and Professor Geo. J. Peirce, of Stanford Uni-

versity, talked on the growth of organisms in saturated brines.

PROFESSOR CHARLES P. BERKEY, of Columbia University, addressed the Swarthmore College Chapter of the Society of the Sigma Xi on "Explorations of the Central Asiatic Expedition in the Gobi Desert," on March 15.

PROFESSOR M. I. PUPIN, of Columbia University, recently gave an informal talk to the physical science teachers and students of Amherst College on the subject of "Long Distance Telephony."

DR. H. M. AMI, director of the Canadian School of Pre-history in France, recently lectured before the science faculties of McGill University on some of the results obtained during the excavations in the Dordogne District in 1926.

THE Croonian lectures of the Royal College of Physicians will be given in June by Sir F. Gowland Hopkins, professor of biochemistry in the University of Cambridge, on "The Task of Biochemistry."

DR. VICTOR HENRI, professor of physical chemistry at the University of Zurich, addressed the scientific staff of the Rockefeller Institute for Medical Research on March 18 on "Quantitative Researches on Biological Actions of Ultraviolet Rays."

DR. ARCHIBALD VIVIAN HILL, F.R.S., Foulerton research professor of physiology in the University of London, lectured before the Yale Medical Society, on March 16, on "Some Recent Advances in the Physiology of Muscle and Nerve."

DR. H. A. LORENTZ, professor of physics at the University of Leiden, Holland, will address the Franklin Institute on March 31, his subject being "How does an Atom radiate Light?"

LEHIGH UNIVERSITY celebrated the memory of Sir Isaac Newton, the bicentenary of whose death occurred on March 20, by a lecture to which the faculty and students and a few outside guests were invited. The lecture was given by Dr. Paul R. Heyl, physicist at the U. S. Bureau of Standards, on the subject "The Student of Nature."

THE 954th meeting of the Philosophical Society of Washington was held in the Cosmos Club on March 19. The program was in commemoration of the 200th anniversary of the death of Sir Isaac Newton. Frederick E. Brasch spoke on "The Life of Sir Isaac Newton and his Contemporaries"; Edgar W. Woolard on "The Place of Sir Isaac Newton in the History of Pure Mathematics"; T. B. Brown on "The Contributions of Newton to Optics," and Paul R. Heyl on "The Contributions of Newton to Mechanics and to Astronomy."

CLARENCE E. REID, professor of electrical engineering and head of the electrical engineering department of the Kansas State Agricultural College since 1914, died on February 28.

MISS MARY ELIZABETH HOLMES, professor of chemistry at Connecticut College, died on March 12.

DR. HENRY R. CURME, president of Savell, Sayer & Co., Niagara Falls, N. Y., manufacturers of chemicals, was killed by an explosion of a tank of carbon monoxide in the plant yard on March 16. Dr. Curme, who until recently was a fellow of the Mellon Institute, was thirty-two years of age.

EDWIN SWIFT BALCH, of Philadelphia, known for his contributions to geography, died on March 15, aged seventy-five years.

DR. A. W. CROSSLEY, F.R.S., who recently resigned the post of director of the British Cotton Industry Research Association's Shirley Institute, at Didsbury, England, died on March 5, at the age of fifty-eight years.

THE 145th regular meeting of the American Physical Society will be held in Washington, at the National Academy Building, on Friday and Saturday, April 22 and 23. Other meetings for the current season will take place as follows: June 22 to 25, 1927, Pacific Coast section at Reno, Nevada; November 25 to 26, 1927, Chicago; December 27 to 30, 1927, Nashville, Tenn., annual meeting.

PROFESSOR H. E. WALTER, of Brown University, will be in charge of the course in field zoology at the Biological Laboratory at Cold Spring Harbor, Long Island, this summer. Among the new appointments to the staff of the laboratory are Professors A. L. Melander, of the City College of New York, in field zoology; H. S. Conard, of Grinnell College, in plant ecology; J. H. Bodine, of the University of Pennsylvania, in physiology; William Salant, of the University of Georgia Medical School, in research; H. P. K. Agersborg, of the James Millikin University, and Herbert Friedmann, of Brown University, in field zoology, and Mr. Herbert L. Ratcliffe, of the Johns Hopkins University, who will be in charge of chemical supplies. Dr. W. W. Swingle, of the University of Iowa, will be in charge of endocrinology and Dr. J. S. Nicholas, of Yale University, will give a course on experimental surgery in mammals and other vertebrates.

At the University of Texas, during the spring term of the present year, a course will be given in petroleum geology, participated in by the following geologists: Charles Laurence Baker, "Geology of the Petroleum Fields of Mexico," March 19 to 25; J. W.

Beede, "Petroleum Production from the Permian Formations of West Texas," March 26 to April 8; F. B. Plummer, "Petroleum Production from the Pennsylvanian Formations of Texas and Origin of Petroleum," April 9 to 22; Alexander Deussen, "Petroleum Production from the Salt Domes of the Gulf Coastal Plain," April 23 to 29; Donald C. Barton, "Geophysical Methods, Foreign Salt Domes and Organization of Applied Geology," April 30 to May 13, and W. M. Wrather, "Petroleum Production in the Mid-Continent Fields of the United States," May 14 to 27.

THE ninety-fifth annual meeting of the British Medical Association will be held in Edinburgh from July 15 to 23. According to the provisional program printed in *Nature*, the incoming president, Sir Robert Philip, will deliver his address on July 19. Throughout the meeting the annual exhibition of surgical appliances, foods, drugs and books will be open for inspection. The honorary local general secretary of the annual meeting is Dr. A. Fergus Hewat, 14 Chester Street, Edinburgh. A Lister centenary celebration is also being arranged at Edinburgh in July in connection with the meeting. Throughout the week, a museum of Lister relics will be on view in the upper library of the old university. On July 20 a public meeting will be held, presided over by Lord Balfour, and Sir Watson Cheyne, Professor T. Tuffier (Paris), Professor Harvey Cushing (Harvard University) and Professor James Stewart (Dalhousie University, Halifax, Nova Scotia) will deliver addresses. Inscriptions are to be placed on the walls of 11 Rutland Street and 9 Charlotte Square, both of which were occupied by Lister while in Edinburgh, and a prize of £25 and a gold medal is offered for an essay on "The Influence of Lister on Surgery," the competition being limited to first-year students of medical schools of the British Empire. A Lister memorial volume, edited by Dr. Logan Turner, is in preparation; in addition to personal reminiscences of Lister, it will contain chapters on surgery before and after Lister by Mr. Alexander Miles and Professor Fraser, respectively, while Sir E. Sharpey-Schafer will deal with Lister's work as a physiologist.

DR. ELLIOTT C. CUTLER, Western Reserve University School of Medicine, gave the third Lewis Linn McArthur lecture of the Billings Foundation before the Institute of Medicine, of Chicago, on February 25 on "Postoperative Abscesses of the Lung: Experimental and Clinical Studies." According to the *Journal* of the American Medical Association, the former lectures of the Billings Foundation were delivered by Drs. Robert Emmett Farr, of the University of Minnesota, Minneapolis, and Evarts A. Graham, Washington University School of Medicine, St. Louis. The institute will hold a joint meeting with the Chicago Gynecological

Society, April 11; Dr. Herbert M. Evans, University of California Medical School, will speak on "Relation of Nutrition to Fertility"; Edward A. Doisy, Ph.D., St. Louis University School of Medicine, "The Ovarian Hormone: Biochemical Studies," and Edgar Allen, Ph.D., University of Missouri School of Medicine, "The Ovarian Hormone: Morphological and Physiological Studies." There will be a joint meeting with the Chicago Medical Society and the Chicago Tuberculosis Society, April 13; Dr. Allen K. Krause, the Johns Hopkins University Medical School, Baltimore, will present the program. The April 22 meeting of the institute will be devoted to the presentation of work by Chicago investigators. There will be a joint meeting of the Society of Medical History of Chicago and the Institute of Medicine, March 18, 8 p. m., at the City Club; Dr. David J. Davis will give an illustrated lecture on "The Quakers in Medicine"; Chauncey Leake, Madison, Wis., will give an illustrated lecture on "Medical Caricature in the United States"; Dr. Richard Dewey, San Francisco, Calif., on "The Care of the Insane in Illinois," and Dr. Benjamin Barker Beeson, "Jean Martin Charcot: A Summary of His Life and Works."

THE bureau of economic geology of the University of Texas and the West Texas Geological Society arranged a conference and excursion into the Glass Mountains of Texas on February 26 and 27. The party of geologists assembled at Alpine on the afternoon of February 25 and disbanded at Fort Stockton on the night of February 27. On the first day exposures were examined in the east and central part of the Glass Mountains, while on the second day exposures were studied at the west end of the mountains and on the Stockton Plateau. Conferences were held at Alpine on the evenings of February 25 and 26. One hundred and fifteen geologists participated, chiefly from Texas, including, however, some from New Mexico and Oklahoma. Details of arrangements for the excursion were in charge of a committee of the West Texas Geological Society, of which Edgar Kraus was chairman. Topographic maps obtained from the United States Geological Survey were supplied complimentary by the Kirby Petroleum Company. A guide map giving the areal geology and localities to be visited was distributed through the courtesy of the Atlantic Oil Producing Company and the Dixie Oil Company. Guides for the excursion for the Permian were P. B. King and W. G. Blanchard, and for the Cretaceous, W. S. Adkins. During the two days, selected exposures were examined representing the formations of the unequaled section of the Permian of the Glass Mountains, totaling some 6,000 feet of sediments, as well as some exposures of the Pennsylvanian and Cretaceous. Ideal weather contributed to the

pleasure of a very successful and profitable excursion and conference. A similar excursion into the Delaware and Guadalupe mountains of Texas and New Mexico will be given probably in May.

THE new Chemical and Metallurgical Laboratory of the United States Naval Station, Cavite, Philippine Islands, was officially opened on March 1, with Francis W. Glaze in charge. Although there had formerly been a laboratory at the Olongapo Station, this laboratory had been connected with the ordnance depot. This is the first time that this naval district has had a laboratory at the service of the district as a whole and operating under the supply department. The location is more or less ideal as far as light and ventilation are concerned. The building was an old, substantial one, with cement floors, and was well adapted for laboratory purposes.

ACCORDING to *Museum News* construction has begun on a \$900,000 unit of the new museum building for the University of Michigan, at Ann Arbor. It is expected that this unit, which is about one third of the entire structure as now planned, will be completed by January 10, 1928. The finished building will be in the form of an irregular rectangle, two sides of which are included in the first unit. A feature of the building is the separation of the exhibition and laboratory space in different wings. The laboratory wing extends east and west, most of the laboratories being arranged on the north side. The aquaria and storerooms are for the most part on the south side of this wing. The laboratories will be equipped in accordance with the best modern practice, for the teaching of science.

ONE of the largest private collections of ferns in the world, contained in the herbarium of Dr. E. D. Copeland, has been deposited in the herbarium of the University of California, through the efforts of Dean E. D. Merrill, of the College of Agriculture. The collection, comprising some 12,000 specimens of ferns, many of them from old collections and of great historical value, will be available for use and reference at the university. Dr. Copeland is spending several weeks in Berkeley classifying the specimens and getting the herbarium into useful shape.

UNIVERSITY AND EDUCATIONAL NOTES

THE new chemistry building of the University of Richmond will be dedicated on April 11 during the spring meeting of the American Chemical Society in Richmond. Drs. Charles H. Herty and E. Emmet Reid will be the principal speakers at the ceremonies.

After the dedication opportunity will be afforded everyone to inspect the new plant and the exhibition of industrial products to be displayed.

THE University of Rochester is perfecting plans for the construction of a new chemistry building. It will be three-story and basement, estimated to cost close to \$250,000, with equipment.

A NEW chemical engineering laboratory is to be built at the Iowa State College, Ames. The building, for which contracts have been let, will be 100 by 72 feet and will be devoted exclusively to teaching research work in chemical engineering.

DR. JAMES KENDALL, professor of chemistry in New York University, has been appointed dean of the graduate school of the university, succeeding Dean Earle Brownell Babcock, who resigned recently after two years' leave of absence as European representative of the Carnegie Endowment for International Peace.

DR. W. C. BOWER, professor of electrical engineering at Northwestern University, has been appointed director of the school of engineering in the university.

MRS. THEODORE BOVERI, wife of the Italian biologist and organizer of the biological laboratory at Vassar College, has accepted the chair of biology at Albertus Magnus College, the new Catholic college for women in New Haven, and will come to this country next fall to organize the department.

DUE to the vacancy caused by the recent death of Dr. Albert W. Smith, late head of the department of chemical engineering, President Charles S. Howe, of the Case School of Applied Science, has appointed Dr. William Reed Veazey, professor of physical chemistry, acting head of this department.

DR. CHARLES A. DICKINSON has been appointed professor of psychology at the University of Maine.

ASSISTANT PROFESSOR F. S. NOWLAN, of the University of Manitoba, has been appointed professor of mathematics at the University of British Columbia.

M. MASSON, professor of pathological anatomy at the University of Strasbourg, has been appointed to a position in the University of Montreal.

PROFESSOR VON BERGMANN, of Frankfort, has accepted a call to the University of Berlin to succeed Professor F. Kraus in the chair of internal medicine.

DISCUSSION AND CORRESPONDENCE

HELIUM

A SUGGESTION in the use of helium for diving is that, on account of the cost of helium, the divers' atmosphere consisting of oxygen mixed with helium