

tion of the American Physical Society during a recent meeting at Union College. Of the 150 who attended the sessions, 113 became charter members of the new association.

Among the subjects discussed were television, a possible new approach toward killing cancerous cells by means of low-voltage rays; a discussion of fundamental problems in aeronautical science; microscopic work under conditions where optical instruments can not be used and telescopic work in hazy weather conditions.

Dr. Peter I. Wold, professor of physics at Union College, who had been chairman of the committee on organization and arrangements during the past six months, was elected the first chairman of the association for a term of two years. The charter members adopted a constitution, with the sanction of the American Physical Society, which dedicates the section to the "advancement and diffusion of the knowledge of physics." Any physicist, whether teaching or in industrial work, and students of physics are eligible for membership. Other officers elected were: W. B. Rayton, of the Bausch and Lomb Optical Company of Rochester, *vice-chairman*; Paul R. Gleason, of Colgate University, *secretary*; G. H. Cameron, of Hamilton College, *treasurer*; they will also serve during their term of office on the executive committee, to which were elected: Mrs. Anna W. Pearsall, of Hamilton High School, and R. E. Burrough, of the Eastman Kodak Company, for four years, and R. C. Gibbs, of Cornell

University, and Carleton A. Moose, of Milne High School (Albany), for two-year terms.

Among the demonstration exhibits following the reading of papers was the antiphonal organ, designed and built by John Bellamy Taylor, acoustic engineer of the General Electric Company and lecturer on acoustics at Union College. Other exhibits included a monomolecular film technique which is being used by Dr. Caryl P. Haskins and his staff in the Haskins Laboratory of Union College; spectrometer exhibits by the Spencer Lens Company; recent developments in street lighting by the General Electric Company; a recently completed Michelson Interferometer, built by David W. Mann, of Harvard University, and some rare early books on physics owned by Professor Mortimer F. Sayre and the Union College Library.

Dr. Irving Langmuir, associate director of the General Electric Research Laboratory, was the principal speaker at the dinner which concluded the meeting. Dr. Wold presided. Dr. R. C. Gibbs, as president of the Optical Society of America, spoke briefly on the great need for such organizations as the New York State Section of the American Physical Society. Other speakers included Dr. Haskins, research professor of biophysics at Union College; Dr. E. H. B. Bartelink, of the general engineering laboratory of the General Electric Company; Dr. H. P. Gage, of the Corning Glass Works; Dr. Paul E. Hemke, of Rensselaer Polytechnic Institute, and Dr. R. P. Johnson, of the General Electric Research Laboratory.

SCIENTIFIC NOTES AND NEWS

DR. GILBERT NEWTON LEWIS, dean of the College of Chemistry at the University of California, has been awarded the fifth Theodore William Richards Medal of the Northeastern Section of the American Chemical Society "for conspicuous achievement in chemistry." The medal, founded in 1930 to commemorate the work of Professor Richards, of Harvard University, will be presented to Dr. Lewis at a ceremony on May 13.

THE American Institute of Chemists has awarded its annual medal to Dr. Frederick G. Cottrell, consulting chemist, metallurgist and inventor, in recognition of "outstanding scientific achievements and for his service to the profession." The medal will be presented to him at the annual dinner of the institute on May 14 at the Claridge Hotel, Atlantic City.

DR. C. O. SWANSON, head of the department of milling industry at Kansas State College of Agriculture and Applied Science, has been awarded the Thomas Burr Osborne Medal by the American Association of Cereal Chemists. The presentation will be made at the annual convention of the association at the

Netherland Plaza Hotel, Cincinnati, on the evening of May 25.

THE John Phillips Medal of the American College of Physicians, given "for an outstanding contribution in the field of internal medicine or its allied sciences," was presented on April 6 to Dr. Harry Goldblatt, professor of experimental pathology of the School of Medicine of Western Reserve University. The medal was awarded to Dr. Goldblatt in recognition of "the development of an important method for the production of experimental hypertension in animals; demonstrating the importance of disease of the blood vessels of the kidneys in the origin of high blood pressure, and for contributing successfully to our understanding of the essential type, the most common disabling condition encountered by the medical practice." It had previously been awarded to Dr. Oswald Theodore Avery, of the Rockefeller Institute, New York; Dr. William Bosworth Castle, of Harvard University; Dr. Leo Loeb, of Washington University; Dr. Henry Robert Murray Landis, of the University of Penn-

sylvania, and Dr. Richard E. Shope, of the Rockefeller Institute, Princeton, N. J.

DR. H. S. LANGFELD, of Princeton University, was elected president of the Society of Experimental Psychologists at its recent meeting held at the University of North Carolina. Princeton was selected as the place for the next meeting.

GEORGE BLUMENTHAL, president of Mount Sinai Hospital, announced his retirement at a dinner given in his honor on March 8 by the board of trustees of the hospital. He will be elected president emeritus and will remain a member of the board. The dinner was held at the Hotel Pierre, and a plaque, which will be placed in the entrance foyer of the hospital's main building on 100th Street and Fifth Avenue, was unveiled. The inscription reads: "Erected on the occasion of the eightieth birthday of George Blumenthal by his fellow trustees to record their grateful appreciation of his inspired leadership and unparalleled contribution to the development of this institution during forty-six years as trustee and twenty-seven years as president."

Nature states that at the annual general meeting of the Biochemical Society, London, held on March 11, a presentation was made by the society to Sir Arthur Harden, on the occasion of his retirement from the editorship of the *Biochemical Journal*. The presentation took the form of an inscribed salver, bearing the signatures of all those still living who have served on the committee of the society during the twenty-five years of Sir Arthur's editorship. In making the presentation on behalf of the society, the present chairman of the committee, Professor H. J. Channon, reviewed the early history of the *Biochemical Journal*.

DR. MORITZ VON ROHR, formerly associate professor of medical optics at the University of Jena and for the past forty-three years associated with Carl Zeiss, Jena, known for his optical work in the development of lenses for cameras, microscopes and spectacles, celebrated his seventieth birthday on April 4.

UNDER the auspices of the Council of Jewish Organizations of the United Palestine Appeal, well-known actors of the Jewish stage in America paid tribute to Professor Albert Einstein, who was the guest of honor at a special performance on April 7 at the Public Theater, New York City. Leading performers presented their most popular rôles, and a musical program combined traditional synagogue music with the music of modern Palestine.

OFFICERS elected at the annual meeting in New York City of the American Association of Physicians are: *President-elect*, Dr. O. H. Perry Pepper, University of Pennsylvania; *First vice-president*, Dr. James B. Her-

rick, of the University of Chicago; *Second vice-president*, Dr. Noble Wiley Jones, University of Oregon; *Third vice-president*, Dr. Charles T. Stone, Galveston, Texas. Dr. James H. Means, professor of clinical medicine at the Harvard Medical School, president of the New York meeting, was succeeded by Dr. William J. Kerr, who became president-elect last year at San Francisco.

ASSOCIATE PROFESSOR BENGT STRÖMGREN, of the Yerkes Observatory, University of Chicago, has been given leave of absence for one year to enable him to accept a professorship at the University of Copenhagen. Dr. Karl Wurm, of the Astrophysical Observatory at Potsdam, Germany, has been appointed visiting assistant professor at the Yerkes Observatory for one year. He will be engaged primarily in the study of molecular spectra in astronomical sources.

RICHARD V. SOUTHWELL, professor of engineering at Brasenose College, Oxford, has been appointed for the first half of the academic year 1938-39 professor of applied mechanics in the School of Graduate Engineering of Harvard University. In exchange, Dr. Jacob P. Den Hartog, associate professor at Harvard, will lecture at Oxford.

It is reported in the *Bulletin* of the Institute for International Education that arrangements have been made for an exchange of postgraduate medical students between the Physiological Institute at the University of Kiel and the Medical School of the University of California. Dr. Gilbert S. Coltrin, a graduate of the Medical School of the University of Rochester and recently assistant in medicine at the University of California Hospital, has been awarded a fellowship at the University of Kiel, and will spend six months in research at the Physiological Institute. In exchange, Dr. Gerhard A. Brecher, assistant in the institute, has received an appointment as resident assistant in medicine at the University of California Hospital in San Francisco for the same period.

AT the School of Medicine of Indiana University, Dr. Thurman B. Rice, professor of bacteriology and public health, has been made chairman of the newly established department of bacteriology and public health, and Dr. Frank Forry, professor of pathology, chairman of the newly established department of pathology.

DR. PAUL B. SEARS, professor of botany at the University of Oklahoma, has been appointed head of the department of botany at Oberlin College.

NORMAN L. MUNN, of George Peabody College for Teachers at Nashville, Tenn., has been appointed professor of psychology at Vanderbilt University.

MATTHEW W. STIRLING, chief of the Bureau of

American Ethnology of the Smithsonian Institution, has returned from a six-weeks' archeological survey of Mexico, visiting sites previously mentioned in archeological literature, but only superficially explored, which may contain keys to the prehistoric development of new world culture.

DR. DERRILL M. DANIEL, entomologist of the State Agricultural Experiment Station at Geneva, N. Y., has returned from California, where he spent several months at the Citrus Experiment Station, Riverside, studying methods of the biological control of insect pests. On his return trip he spent some time in Florida, Georgia, South Carolina and Washington, D. C., visiting state and federal entomological laboratories.

THE first Edward Jasper Goodwin Memorial Lecture will be delivered by Dr. Robert Andrews Millikan, director of the Norman Bridge Laboratory of Physics and chairman of the Executive Council of the California Institute of Technology, in the chapel of the Packer Collegiate Institute on the evening of April 20. Dr. Goodwin was principal of the Packer Collegiate Institute from 1908 to 1918. Dr. Millikan will speak on "Science as a Social Force."

DR. GEORGE DAVID BIRKHOFF, Perkins professor of mathematics and dean of the Faculty of Arts and Sciences of Harvard University, president of the American Association for the Advancement of Science, will lecture on April 18 at 8:15 p. m. before the Lancaster Branch of the American Association for the Advancement of Science. His subject will be "Mathematics in the College Curriculum."

DR. F. C. KOCH, professor of biochemistry at the University of Chicago, will deliver the seventh Harvey Society lecture of the current series at the New York Academy of Medicine on April 21. He will speak on "The Chemistry and Biology of Male Sex Hormones."

DR. MARIUS B. GREENE, director of the Research Department of the Post-Graduate Association of Regional Anesthesia, formerly sanitary consul of the Allied and Associated Armies, delivered a demonstration lecture on March 29 on "New Surgical Methods of Treatment for Peripheral Paralysis and Allied Conditions" before the staff of the Army Medical School and Center at the Walter Reed Hospital, Washington, D. C. The session was presided over by Brigadier-

General Raymond F. Metcalfe, and the discussion was opened by Lieutenant-Colonel Joseph F. Gallagher.

M. H. A. NEWMAN, of St. John's College, Cambridge, spoke at a meeting of the Galois Institute of Mathematics, which was held at the American Museum of Natural History on April 9. His subject was "Infinite Numbers."

DR. NIELS BOHR, professor of physics at the University of Copenhagen, spoke during an international broadcast from Copenhagen on April 5. His subject was "International Science." The program was arranged as a tribute to Dr. Bohr on the twenty-fifth anniversary of the announcement of his atomic theory. The program included a description of the recently erected research institute, which was dedicated on the same day.

THE fiftieth anniversary of the founding of the Rittenhouse Astronomical Society of Philadelphia was celebrated on April 8 with a dinner at the Robert Morris Hotel. Dr. John H. Pitman, of the Sproul Observatory, president of the society, introduced Dr. Jonathan T. Rorer, head of the department of mathematics of the Wm. Penn High School, as toastmaster, who reviewed the history of the society. After brief remarks by Dr. John A. Miller, director emeritus of the Sproul Observatory, and Dr. John E. Bryan, late superintendent of schools of Camden, N. J., Dr. Harlow Shapley, director of the Harvard College Observatory, spoke on "Fifty Years of American Astronomy." The Rittenhouse Astronomical Society was founded by the late Edmund E. Read, Jr., of Camden, and was chartered on April 1, 1888, as the Camden Astronomical Society. On October 12, 1927, the name was changed, to honor David Rittenhouse, pioneer American astronomer.

THE southeastern section of the Mathematical Association of America and the Georgia Academy of Science held meetings at the Georgia School of Technology, Atlanta, on April 1 and 2. More than 200 mathematicians from seven southern states and a hundred scientific men from Georgia were present. Fifty-three papers were presented. Dr. F. D. Murnaghan, of the Johns Hopkins University, was the visiting speaker of both organizations. He spoke on "The Basic Ideas of Arithmetic and Algebra" and on "Finite Deformations of an Elastic Solid."

DISCUSSION

PREHISTORIC QUARRIES AND IMPLEMENTS OF PRE-AMERINDIAN ASPECT IN NEW MEXICO

IN the course of geologic field work in New Mexico during the past summer two prehistoric quarries were

visited and at one of them artifacts of unexpected type were found.

Fermor S. Church, master in Los Alamos School, and John T. Hack, a graduate student in geology at Harvard, were engaged in field work in San Pedro