

News and Notes

Scientists in the News

George Aronis, geologist in the Greek Ministry of National Economy, and **George Marinos**, assistant professor of mineralogy at the University of Athens, are in this country for six months of in-service training in economic geology and hydrology under the guidance of the U. S. Geological Survey. The Survey is also arranging an itinerary for **Carlos Acosta del Campo**, Mexican hydrologist, to enable him to study problems of salt water encroachment, desert and karst hydrology, and well-drilling techniques.

Eleanor A. Bliss, assistant professor of preventive medicine at the Johns Hopkins University Medical School has been appointed dean of the Graduate School at Bryn Mawr College. She will succeed **Lily Ross Taylor**, who is retiring at the end of the academic year. Well known for her research in bacteriology, Dr. Bliss has been on the staff of Johns Hopkins since 1925.

George A. Busch has been appointed visiting professor of physics at Carnegie Institute of Technology, to work mainly on the program of research in low-temperature phenomena. Prior to joining the Carnegie faculty, Dr. Busch taught physics at the Swiss Federal Institute of Technology for 19 years.

Leonard Carmichael, psychologist, and president of Tufts College since 1938, will become the seventh secretary of the Smithsonian Institution next January, succeeding **Alexander Wetmore**, who reached the retirement age last June. Dr. Carmichael is a member of the National Academy of Sciences, a former president of the American Psychological Association, former chairman of the American Council on Education, and during World War II served as director of the National Roster of Scientific and Specialized Personnel. Dr. Wetmore, who has been with the Smithsonian since 1925 and secretary since 1945, wishes to devote his full time to his research in ornithology.

S. Chandrasekhar, of the Yerkes Observatory, University of Chicago, has delivered six special lectures as visiting professor of astrophysics at California Institute of Technology. While in California Dr. Chandrasekhar was awarded the Catherine Wolfe Bruce Gold Medal of the Astronomical Society of the Pacific.

R. L. Cushing has been appointed acting director of the Pineapple Research Institute of Hawaii, succeeding **E. C. Auchter**, who will retire on May 31 because of ill health. Dr. Auchter will continue, however, as consulting scientist.

Joseph Deinet, vat dye specialist, has retired after more than 25 years of continuous service with the Du Pont Company. A research chemist in the anthraquinone division of Jackson Laboratory, Deepwater Point, N. J., Mr. Deinet is one of the few remaining

pioneer anthraquinone vat dye chemists. It was because of this early pioneering work that a Modern Pioneer Award was granted to Mr. Deinet in 1940 by the National Association of Manufacturers.

John D. Dwyer, associate professor of biology at Siena College, Loudonville, N. Y., will spend three months at the Museum d'Histoire Naturelle, Paris, working on the systematics of the Caesalpiniaceae. His research will be supported by a grant from the National Academy of Sciences.

At the invitation of the Israeli government, **John H. Garlock**, chief of the Surgical A Service at Mount Sinai Hospital and clinical professor of surgery at Columbia University, has been visiting the major hospitals of Israel, conducting teaching operative clinics and giving lectures in each institution. He was accompanied by his anesthetist, Sidney Lyons, who gave courses in modern anesthetic methods.

The first annual Goldsmith Award, made by the *Bulletin of the Atomic Scientists*, has been given to **Walter Gellhorn**, of Columbia University, for his book *Security, Loyalty, and Science*. Under the terms of this award, established in memory of the late Hyman H. Goldsmith, who was co-editor of the *Bulletin* until his death two years ago, the judges have considered Gellhorn's book the "best contribution to the clarification of relations between science and politics."

Lawrence A. Hoffman has been appointed assistant professor in the Department of Geography at Ohio State University. During 1950-51 Dr. Hoffman was a Fulbright scholar in India. He returned to this country in January following extended stopovers in south-east Asia and Japan.

Horace S. Isbell, head of carbohydrate research in the National Bureau of Standards, has received the Hillebrand Award of the American Chemical Society's Washington Section for major contributions to the chemistry of sugar and for the synthesis of radioactive carbohydrates.

Eugene L. Jackson, medical director of the A. H. Robins Co., Inc., of Richmond, Va., since 1946, has been elected vice president of the company. Dr. Jackson was formerly chairman of the Department of Pharmacology at the Emory University School of Medicine, Atlanta.

Robert T. Knapp, professor of hydraulic engineering at the California Institute of Technology, has gone to London to deliver the annual James Clayton Lecture before the Institution of Mechanical Engineers. He is speaking on "Cavitation Mechanics and its Relation to the Design of Hydraulic Equipment" and will repeat the lecture at an Institution meeting in Edinburgh. While in Great Britain he will visit the Admiralty hydraulics laboratories and the universities of Wales and Cambridge. Before returning to Caltech,

Professor Knapp will visit hydrodynamics laboratories and facilities in Zurich, Madrid, Paris, and Grenoble.

Frank H. MacDougall is retiring in June as chief of the division, and professor of physical chemistry, at the University of Minnesota.

Sister Mary Therese, of Mundelein College, through a contract with the Office of Naval Research, will devote the summer to research on planetary nebulae at Mt. Wilson-Palomar observatories in Pasadena.

A four-year university scholarship, offered by the Radio Corporation of America and valued at \$2400, has been awarded to a graduate of RCA Institutes, **Kurt F. W. Moeller**, now majoring in electrical engineering at the Polytechnic Institute of Brooklyn.

Rufus Oldenburger, mathematician-engineer of the Woodward Governor Company, Rockford, Ill., is giving a series of lectures in Paris at l'Institution des Arts et Métiers, Société Française des Mécaniciens, Société des Radioélectriciens, and the Société d'Electronique et d'Automatisme, on "Mathematical Engineering Analysis."

Ralph G. Owens has been named dean of engineering at Illinois Institute of Technology. Dr. Owens, who has served as assistant dean of engineering since February 1951, replaces **John T. Rettaliata**, who was recently named president.

Howard M. Phillips, professor of biology and chairman of the Department of Biology at Emory University, has been appointed dean of the Graduate School. **W. D. Burbanck** has been appointed chairman of the Department of Biology.

Aaron L. Shalowitz, **Carl I. Aslakson**, and **Henry W. Hemple**, of the Coast and Geodetic Survey, were recently awarded the 1952 Department of Commerce Exceptional Service Gold Medal for outstanding contributions to the field of science and technology. Mr. Shalowitz has served in the Washington office of the Survey since 1921. He is at present a special assistant to the director and is technical adviser to the Department of Justice in the California submerged lands oil case. He is editor of the technical *Journal of the Coast and Geodetic Survey*, and also editor-in-chief of the quarterly journal of the American Congress on Surveying and Mapping. Captain Hemple is serving as chief, Division of Geodesy. Commander Aslakson has given outstanding service to the National Military Establishment relative to the measurement of distances by electronic methods. At present he is consultant to the USAF on geodetic survey problems in establishing control for guided missile tests at the Air Missile Test Center, Cocoa, Fla.

William L. Straus, Jr., has been appointed professor of physical anthropology at The Johns Hopkins University. Since 1927 Dr. Straus has been a member of the faculty of The Johns Hopkins School of Medicine, where he has been associate professor of anatomy since 1943.

Charles Allen Thomas, president of the Monsanto Chemical Co., and chairman of the Board of Directors of the American Chemical Co., will be general chairman of the Local Committee in charge of arrangements for the St. Louis meeting of the AAAS in December. To assist him, **Leslie James Buchan**, dean of faculties at Washington University, has accepted the chairmanship of the Committee on Exhibits; **Warren K. Begeman**, director of technical and adult education, St. Louis Board of Education, will be chairman of the General Service Committee; and **Howard A. Marple**, director of advertising, Monsanto Chemical Co., will head the Committee on Public Information.

Douglas M. Whitaker has been appointed to the newly created position of provost of Stanford University. Last year Dr. Whitaker left the post of NRC chairman, to become dean of the Faculty of Humanities and Sciences at Stanford.

Education

The American Society of Tool Engineers is extending its program of providing financial aid to students in engineering schools by enlisting the financial assistance of industries in areas where ASTE chapters are located. The program is already under way in Boston, Detroit, Worcester, Mass., and New Haven, Conn.

The College of Medicine of the State University of Iowa has announced the following appointments effective July 1: Henry B. Bull, of Northwestern, to be professor and head of the Department of Biochemistry; Charles D. May and Franklin Top, of the University of Minnesota, to be professors and heads of the Departments of Pediatrics and Hygiene and Preventive Medicine, respectively. John Randall was appointed professor and head of the Department of Obstetrics and Gynecology Apr. 1. The following will retire to part-time service on July 1: Robert B. Gibson, Ira H. Pierce, Milford E. Barnes, Philip C. Jeans, and Henry A. Mattill.

Northwestern University Medical School is conducting a series of lectures on Tuesday evenings, at Thorne Hall on the Chicago campus, on the history of medicine. The subjects are of popular as well as professional appeal, and the sessions are open to the public free of charge.

Simmons College will give postgraduate summer courses in Home Economics (June 23-Aug. 8); Library Science (June 23-Aug. 8); and Nursing (June 23-Aug. 1).

In honor of the late Bryon M. Hendrix, professor of biological chemistry (1922-52), the University of Texas Medical Branch has opened a Seminar Room in the new Gail Borden Laboratory Building.

Timber Engineering Company, 1319 18th St., N. W., Washington 6, D. C., will hold a glue school May 5-9, for training industry and government personnel in the use of modern adhesives in defense production. Special attention will be given to glues for boat, ship,

and barge construction. Applications should be filed at once.

Wayne University will establish a Materials Management Research and Training Center based on recommendations made by a committee representing the American Material Handling Society, the American Society of Mechanical Engineers, the Detroit Board of Commerce, the Society of Industrial Packaging and Materials Handling Engineers, the Material Handling Institute, Inc., and the Michigan Industrial Training Council. The first contribution toward financing the project was \$5000 from the Evans Products Company, of Plymouth, Mich., which will contribute a total of \$25,000 over a five-year period. Spencer A. Larsen has been named director of the center.

Grants and Fellowships

The **American-Swiss Foundation for Scientific Exchange**, Nutley, N. J., has re-elected C. R. Scholz president; H. M. Wuest, of Montclair, N. J., founder of the organization, is honorary president. During the six years of its activity, the foundation has sent 22 American scientists to Switzerland and brought 33 Swiss scientists to this country. Seventy-one postgraduate students were exchanged. The foundation is planning to send several American university presidents to Switzerland for firsthand impressions of Swiss higher education, and the president of the Federal Institute of Technology, Zurich, will visit this country. Funds for the exchange of scientists come from private sources.

The **National Science Foundation** has awarded 624 graduate fellowships in the natural sciences for the academic year 1952-53. The fellows were selected from about 3000 applications, and the awards went to 569 predoctoral fellows and 55 postdoctoral fellows. A total of 169 (27%) went to first-year graduate students, in sharp contrast to previous federal fellowship policies. Announcement concerning fellowships for 1953-54 will be made about Oct. 1, 1952, and application forms will not be available until that time.

During the first nine months of the fiscal year 1952, the Biochemistry Branch of the **Office of Naval Research** has awarded 22 new contracts. These contracts have been made for research in various fields of biochemistry, are distributed among 17 universities and nonprofit institutions for periods of one to four years, and represent a sum of \$380,016. In addition, 62 existing contracts for research in biochemistry were extended for periods of one to three years.

Six research fellowships or assistantships are available in the new Institute of Biophysics at **St. Louis University**. Stipends vary from \$1200 to \$3500. Applications for fellowships should be addressed to the dean, Graduate School, 221 N. Grand Blvd., St. Louis 3, and for assistantships to the Institute of Biophysics, 3546 Caroline St., St. Louis 4. B. J. Luyet, who has been on the staff of the Department of Biology since 1931, is director of the institute.

In the Laboratories

Roger Adams, president of the AAAS in 1950, was one of three new directors elected to the board of **Abbott Laboratories**. The others were Harold D. Arneson and Robert D. Coghill. James F. Stiles, Jr., was elected chairman, Ernest H. Volwiler was re-elected president and general manager, and George R. Cain was re-elected executive vice president. Elmer B. Vliet, who has been director of control, was named vice president and scientific administrator.

Los Alamos Scientific Laboratory has added the following scientists to its staff: Wade Blocker and Robert W. Kenney, physicists, Weapons Division; Harvey I. Israel, biophysicist, Health Division; Michael M. Shurman and Grover M. Taylor, physicists, GMX Division; and Robert G. Thomas, physicist, Experimental Physics Division.

Magnecord, Incorporated, has appointed George C. Kent, formerly design engineer for Revere Camera Company, and William E. Daly, former development engineer with Shure Brothers, senior mechanical engineer and electrical development engineer, respectively.

Charles H. Hofrichter, Jr., has been appointed chief of the research section, Research and Development Department, Olin Cellophane Division, **Olin Industries, Inc.** Dr. Hofrichter is a former Du Pont research chemist.

Radiation Counter Laboratories are now occupying their new manufacturing laboratory at 5122 W. Grove St., Skokie, Ill. The plant is devoted solely to the manufacture of instruments for the measurement of radioactivity.

Walter Reed Army Medical Center has established a Case History Unit in its Army Prosthetics Research Laboratory to record studies made of amputee patients from the time they are first eligible for cineplastic surgery until they leave the hospital. Albert Clark, Korean veteran, will serve as unit testing engineer, under the supervision of Fred Leonard, chief of the testing branch.

Remington Rand Laboratory has appointed John O'Shea, retired Naval officer and former manager of the special products division of Thomas A. Edison, and Ivan Sattlem, formerly an associate professor of engineering at West Point and chief engineer with the New York State Power Authority, special assistants to Leslie R. Groves, vice president in charge of the laboratory.

U. S. Rubber Company has named C. D. McCleary manager of basic research in organic chemistry. He will be succeeded in his post as manager of process development by J. N. Judy, who will be succeeded as manager of technical service laboratories by C. G. Durbin. Ivan Mankowich has been appointed manager of reclaim development.

Meetings and Elections

At its meeting in Washington in March, the **Aero Medical Association** named Bertram Groesbeck, Jr., president-elect, and Armand Robert, Alberto Hurtado (of Lima, Peru), Wilbur R. Franks, Harold B. Dye, and Percy B. Wiltberger vice presidents. William R. Stovall took office as president for 1952, and Thomas H. Sutherland was re-elected secretary-treasurer-business manager. The association's Longacre Award was presented to Frederic C. Bartlett, of Cambridge, Eng., and the Lyster Award to Kenneth A. Evelyn, of Montreal. The new Arnold D. Tuttle Award, established by United Air Lines in memory of its late medical director, went to Edward H. Lambert, of the Mayo Clinic.

At the recent annual meeting of the **American Association of Physical Anthropologists** in New York, George B. Barbour presented the first copy off the press in South Africa of the last work of the late Robert Broom, *The Swartkaans Ape-Man, Paranthropus cassidens*. Dr. Barbour also reported the discovery of additional important finds at the Swartkrans site, where T. J. Robinson has unearthed two crushed skulls, several fine mandibles, and numerous teeth. One juvenile mandible is almost complete, and another less perfect is notable as being of the youngest dental age of any australopithecine specimen thus far found. A nearly erupted lower canine is indistinguishable in shape, size, or any other feature from a Bantu canine in the same state of growth. In general, the canines of *Plesianthropus* and *Paranthropus crassidens* show as great a difference in size and morphology as is known among all modern and fossil forms of man, including the australopithecines themselves. There has been a tendency to infer that the australopithecines from the various sites may be hardly more than variants of a single genus, and essentially contemporaneous. Both from the anatomical and geological viewpoint, this inference is still premature.

The **American Phytopathological Society**, Pacific Division, will hold its annual meeting at Oregon State College June 19-21. In addition to the usual sessions for presentation of papers, symposia on "Nematodes" and "Legume Viruses" will be held.

A **Conference on Soil Stabilization** will be held at MIT June 18-20 to examine current problems in the field. Sponsors with MIT are the Navy Bureau of Yards and Docks, the Army Corps of Engineers, the Highway Research Board, the Massachusetts Department of Public Works, and the U. S. National Council on Soil Mechanics and Foundation Engineering. For additional information, address Harl P. Aldrich, Jr., Room 1-336, MIT.

Among the concluding events in observance of its semicentennial, the **National Bureau of Standards** acted as host to physicists specializing in the field of mass spectroscopy. The meeting, held Sept. 6-8, was international in scope and attendance, and J. Mattauich, of the Max Planck Institute at Mainz, Germany,

opened the first session, on mass spectroscopy of high resolution for the accurate measurement of atomic masses. The sessions on Sept. 7 were devoted to experiments in cyclotron resonance, conducted by the Brookhaven National Laboratory and the bureau. Isotope separators were reviewed by J. Koch, of Copenhagen, and J. Kistemaker, of Amsterdam; other subjects considered included the study of nuclear reactions by mass spectrometry, ionization and dissociation by electron impact, effects of space charge, etc.

On Oct. 26-27, 350 members of the Institute of Mathematical Statistics met to participate in eight technical sessions, to hear two invited addresses, and to witness a demonstration of SEAC—the bureau's Eastern Automatic Computer.

More than 100 physicists attended the symposium on electron physics Nov. 5-7. L. Marton, of the NBS electron physics laboratory, functioned as chairman, and the Office of Naval Research cooperated with the bureau in the organization of the meeting. Two of the seven sessions of the symposium were devoted to electron scattering, four to electron optics, and one to experimental techniques. Noteworthy among the 47 papers presented was the discussion by W. Glaser, of Vienna, of "The Fundamental Problems of Theoretical Electron Optics," in which he advocated a wave-mechanical approach to electron-optical problems. W. Botke, of Heidelberg, reviewed experimental electron scattering, a subject that was further developed by H. Feshbach, of MIT, who submitted new and precise calculations of the scattering of electrons and positrons by point nuclei. D. Gabor, of London, discussed progress in diffraction microscopy. Many of the papers in electron optics attempted to reconcile wave and particle classifications and thereby open up new fields for investigation.

A symposium on Williams Electrostatic Storage Dec. 13-14 brought to the bureau 115 scientists, representing practically every electronic computer activity on this continent and in England. The opening session dealt with SEAC as a case study in Williams storage, and successive sessions dealt with storage mechanisms, circuit problems, and cathode-ray tubes. The National Bureau of Standards Eastern Automatic Computer was, of course, on hand throughout the meeting, and one of the special events was an open house in the SEAC building.

The **National Wildlife Federation** re-elected Claude D. Kelley president, Karl T. Frederick and Robert W. Miller vice presidents, and Lloyd F. Weed and Louis W. Wendt, secretary and treasurer, respectively. Dean W. Davis was elected a vice president.

A **Southwest Regional Conference on Pre-Professional Health Education** will be held May 15-17 at the University of Texas Medical Branch, Galveston, under the auspices of the Texas Academy of Medicine, the National Honorary Pre-Medical Society, and the Medical Branch. Representatives from national organizations in health fields will participate.