

NEWS

and Notes

Christopher L. Wilson, until recently a professor of chemistry at the University of Notre Dame, has accepted a similar position at Ohio State University.

C. Sidney Burwell, dean of the Faculty of Medicine, Harvard University, since 1935, will resign on February 1. Dr. Burwell will continue as research professor of clinical medicine and is planning to resume his work on problems connected with heart disease.

Thomas B. Cameron, assistant professor of general and inorganic chemistry, University of Cincinnati, has been granted a leave of absence to act as associate chemist with the Chemistry Division of the Argonne National Laboratory, Chicago.

Herbert S. Conrad, of Princeton University, has been appointed chief of the Research and Statistical Service, Office of Education. Prior to his new appointment, Dr. Conrad had served on the College Entrance Examination Board and for the past 18 months was also educational consultant to the Secretary of War.

Warren Andrew, professor of anatomy at George Washington University, has been appointed visiting professor at Washington University School of Medicine in the absence of **Mildred Trotter**, professor of gross anatomy at that University. Dr. Andrew is replacing Dr. Trotter for the 6-month period beginning September 1. Dr. Trotter is currently assigned as anthropologist for the U. S. Army in the Territory of Hawaii. Her headquarters will be the Scofield Barracks near Honolulu, on Oahu, until June 1949.

John S. Hall, formerly associate professor of astronomy and physics at Amherst College, has been appointed head of the Division of Equatorial

Instruments, U. S. Naval Observatory, Washington, D. C.

Philip A. Butler, aquatic biologist in the Shellfishery Section, U. S. Fish and Wildlife Service, Annapolis, Maryland, has been appointed chief of the newly established Gulf Oyster Investigations. Dr. Butler will serve as a Federal consultant on shellfishery problems for the Gulf States and conduct a research program at the Pensacola Laboratory of the Fish and Wildlife Service.

J. B. Sumner, who is on sabbatical leave from the Department of Biochemistry, Cornell University, will spend the period from October 15 to December 15 visiting educational institutions in the South and Southwest.

Charles D. Michener, formerly an associate curator at the American Museum of Natural History, New York City, has been appointed associate professor of entomology at the University of Kansas, Lawrence. He expects to continue his studies of evolutionary problems in the bees and saturniid moths in connection with systematic, morphological, and distributional investigations of these groups.

Virgil D. Cheyne has resigned from the College of Dentistry, University of Iowa, to become professor and executive officer of the Department of Oral Diagnosis and Treatment Planning at the School of Dentistry, University of Washington, Seattle. Dr. Cheyne is known for his work in the topical application of fluorine to human teeth.

Awards

Edwin H. Colpitts, director of the Engineering Foundation, New York, has been named as recipient of the 1948 Cresson Medal. The Medal, one of the highest honors bestowed by the Franklin Institute, is given "for discovery or original research, adding to the sum of human knowledge, irrespective of commercial value." Dr. Colpitts, who will receive the award during the traditional Medal Day ceremonies in Philadelphia on October 20, will be recognized for his pioneering achievements leading to the develop-

ment of practical systems of long-distance communication, both by wire and radio.

Ralph Bown, director of research, Bell Telephone Laboratories, has been selected to receive the Medal of Honor of the Institute of Radio Engineers. The Institute's Medal of Honor is awarded in recognition of distinguished service rendered through substantial and important advancement in the science and art of radio communication. Dr. Bown's work, concerned with various aspects of radio broadcasting and ship-to-shore and overseas telephony, brought him an international reputation in the communications field.

The Shell Development Company has been named winner of the 1948 award for Chemical Engineering Achievement, sponsored by the McGraw-Hill publication, *Chemical Engineering*. The Shell organization, a research and development affiliate of Shell Oil Company and Shell Chemical Corporation, was recognized for its successful commercial synthesis of glycerine, its long-time program of petroleum chemicals pioneering, and other outstanding applications of chemical engineering in the petroleum industry. Presentation of the award will be made in New York City on November 10 at a dinner following the annual meeting of the American Institute of Chemical Engineers.

Colleges and Universities

The Laboratory of Nuclear Studies at Cornell University will be dedicated next week during celebration of the University's 80th anniversary. The featured address of the ceremonies will be made by Enrico Fermi, of the University of Chicago, whose topic will be "The Promise of Nuclear Studies for the Future." Others participating in the dedication, at which Neal Dow Becker, chairman of the Board of Trustees of the University, will preside, are President Edmund E. Day; J. Carlton Ward, Jr., of the Board of Trustees; Robert F. Bacher, Atomic Energy Commission; Rear Adm. Thorvald Solberg, Chief of Naval Research; and R. R. Wilson, director of the Laboratory.

The School of Mines and Metallurgy, University of Missouri, has announced a number of changes in its Physics Department staff, effective with the fall term. Leon E. Woodman, professor and chairman of the Department for the past 29 years, who has become professor emeritus, will be succeeded by Harold Q. Fuller, professor of physics. Edward Fisher, formerly assistant professor of physics at the University of Wyoming, has been appointed professor, and Louis H. Lund, who recently completed his graduate work at the University, has been made assistant professor.

The New School for Social Research, 66 West 12th Street, New York City, announces the opening this fall of a Research Institute in Biochemistry under the direction of the internationally famous Hungarian scientist and Nobel Prize winner, Albert Szent-Györgyi, and his colleague, Colomon Laki. The Institute will conduct a research laboratory in Woods Hole, Massachusetts, and report its findings in lectures at the New School.

Research will be centered in the study of muscles, physics of the living state, and study of the blood. The Institute will also be engaged in application of the results of basic research to heart ailments and blood diseases.

A first series of four weekly lectures by Dr. Szent-Györgyi will open on Friday, October 15. These lectures, to be known as "The Hecht Lectures on General Biology," are named for the late Selig Hecht in recognition of his work both as scientist and as teacher. They will deal with the modern problems of biology and sum up results of recent research in terms understandable to the average layman.

Lectures offered to specialists will include those on the theory of the solid state based on the quantum mechanical study of macromolecules, to be given by Z. Bay, experimental physicist, and J. Gergely, physicist, and a series on the physics of contraction with special regard to thermodynamics, by Dr. Laki, biochemist, L. Varga, biologist, and E. Mihalýi, biochemist. Other lectures will deal with the chemistry of contractile matter and enzymic actions, the electron microscopy of contractile proteins,

and a comparative study of the muscle cell as a whole, mainly by spectroscopic methods.

Dr. Szent-Györgyi, formerly professor of biochemistry in Budapest, won the Nobel Prize in medicine and physiology in 1937 for the discovery of vitamin C and fumaric acid catalysis, and has since been honored for his researches in biological oxidations, vitamins, and muscular contraction.

Besides those named, other scientists in the group include A. Lajtha, chemist; G. Matoltsy, zoologist; Andreas Szent-Györgyi, biologist; G. Rozsa, specialist in electron microscopy; and S. Rath, specialist in translating laboratory methods into limited mass production of the active substances.

Expansion of the science departments at Phillips University, Enid, Oklahoma, involving the completion of a \$500,000 building and an increase in the teaching and research facilities, is under way. As a part of this program, representatives of the science departments have been conducting numerous field and inspection trips throughout the area surrounding the University as well as more extensive tours.

Through the cooperation of the Administration of the University, the Enid Chamber of Commerce, the AAAS, and the National City Christian Church of Washington, D. C., a group composed of 22 students and 3 professors attended the AAAS Centennial Celebration last month (see cover). Juniors and seniors given this opportunity included 8 biology, 8 chemistry, 3 geology, and 3 physics majors. They were accompanied by Andrew H. Montgomery, professor of chemistry; Donald E. Mitchell, professor of physics; and Vernon R. Baker, professor of geology. It was possible for the students to make the 3,000-mile round-trip journey at a minimum of expense by use of the school bus and by using the annex of the National City Christian Church as living quarters while in Washington.

Eugene S. Briggs is president of Phillips.

The Graduate Division of the College of Engineering New York University and the **Graduate School of**

Stevens Institute of Technology are undertaking the second year of their unique cooperative program of courses on "Fluid Dynamics of Aircraft and Ships." Begun in 1947, the program leads to a Master's degree and trains engineers in applying basic sciences to both aeronautical and nautical engineering. During the course, graduate engineers have an opportunity to become familiar with several branches of the two schools and with the NYU Guggenheim Wind Tunnel and the Steven's Experimental Towing Tank.

Successful completion of 15 courses is necessary for a Master's degree. The 10 required courses, given by the faculties of both schools and experimental stations, include mathematics, theoretical and applied fluid mechanics, thermodynamics, and experimental methods. Five elective courses, chosen on the basis of the student's individual need, are selected from a large list available at both institutions.

Industrial Laboratories

A scientific "lend-lease" program aimed at speeding up all phases of atomic energy research has been launched by the Argonne National Laboratory and the Westinghouse Electric Corporation. The new program will enable Argonne to select Westinghouse specialists in any required field of research or engineering for work at the Laboratory on a leave-of-absence basis. In full operation the project should require the services of 20-30 Westinghouse men. Initial assignments under the new "lend-lease" program include: E. Bruce Ashcraft, from the Westinghouse Research Laboratories; Adolph H. Toepfer, from the East Pittsburgh Works; and N. J. Palladino, of the South Philadelphia Works.

S. David Bailey, formerly of the Iowa State Teachers College, has joined the staff of Smith, Kline & French Laboratories as head of the physical chemistry section. In his new position Dr. Bailey will be responsible for the scientific and administrative operations of his section, which is concerned with the application of physical-chemical methods to the development of new drugs.

The Du Pont Company has begun the small-scale manufacture of titanium metal for commercial use at a pilot unit now in operation at Newport, Delaware. While the metal has previously been available for research purposes from the U. S. Bureau of Mines, the difficulty of extracting the metal from its ores, rutile and ilmenite, has prevented full exploration of its industrial and engineering applications. Because of titanium's properties of lightness, strength, corrosion resistance, and a high melting point, its alloying possibilities are numerous. Reports of the Bureau of Mines and other research organizations have indicated that one of its major uses might be in high-speed planes.

The metal is now being produced in sponge form, but the Company will soon provide it in the form of ingots weighing up to 100 pounds.

Meetings and Elections

The 26th annual forum sessions of the Academy of World Economics will be held on the evenings of October 6-7 in the Hall of Government, George Washington University, and at the Copley Lounge, Georgetown University, Washington, D. C. The current sessions on "Some Effects of Technological Change on the Social Sciences" will be held in conjunction with Section K of the AAAS, and with the National Social Science Honor Society, Pi Gamma Mu.

The October 6 session at George Washington will consider the effects of technological change on economics. Participating in this program will be: W. D. Evans, chief, Office of Labor Economics, Department of Labor, speaking on "Technological Change and Productivity"; O. E. Baker, professor of human and natural resources, University of Maryland, discussing "The Concentration and Dispersion of Population"; and J. Carlton Ward, Jr., chairman of the Board of the Fairchild Engine and Airplane Corporation, discussing "Military Technology and the National Economy." Capt. W. D. Rowley, USN, chief of the Technological Progress Branch, Industrial College of the Armed Forces, will preside at this meeting.

The October 7 session scheduled for Georgetown will develop the effects of technological change on politics. Participants will include Dael Wolfe, secretary, American Psychological Association and the Inter-Society Committee for a National Science Foundation, who will discuss "Scientific Research as a Responsibility of Government"; John W. Brewer, professor of international law, George Washington University, speaking on "Political Philosophy and Practice"; and Rev. Edmund A. Walsh, S. J., regent of the School of Foreign Service, Georgetown University, whose topic will be "International Relations." Andrew J. Kress, of the Department of Economics, Georgetown University, will preside at this session.

Washington area members of the AAAS are especially invited to attend these forum sessions, as well as members from outside the city.

The Proceedings of the sessions will be published in the January 1949 issue of the quarterly journal of the Academy, *Social Science*. Information regarding the Proceedings and the journal may be obtained from: Donald P. Ray, Executive Secretary, The Academy of World Economics, Hall of Government, George Washington University, Washington 6, D. C.

The 31st annual meeting of the American Dietetic Association will be held in Boston, Massachusetts, October 18-22. The sessions, taking place in the Mechanics Building and Hotel Statler, convention headquarters, will explore means of achieving optimum nutrition for the earth's population. Session topics and their discussants include: "New Advances in Nutrition"—Charles G. King, scientific director, The Nutrition Foundation, Inc.; P. C. Jeans, professor of pediatrics, State University of Iowa; Leonard A. Maynard, director, School of Nutrition, Cornell University; E. Neige Todhunter, presiding; "Maternal and Child Health"—Harold C. Stuart, professor of maternal and child health, Harvard University Medical School; Nevin S. Scrimshaw, University of Rochester School of Medicine and Dentistry; Clement Smith, director of research on the newborn, Boston Lying-In Hospital; Stu-

art S. Stevenson, assistant professor of child health, Harvard University School of Public Health; Bertha S. Burke, presiding; "Diet Therapy"—Priscilla F. White, Alexander Marble, and Frank N. Allan, all of Boston; and Fredrick J. Stare, George W. Thorn, and George V. Mann, of the Harvard School of Public Health and Medical School; "The Motivation of the Human Being"—Margaret Mead, associate curator of ethnology, American Museum of Natural History; Alex Bavelas, Industrial Relations Section, M.I.T.; Mary E. Spencer, chief, Bureau of Health Information, Massachusetts Department of Public Health; and Ethel Walsh, social worker for the Peter Bent Brigham Hospital.

According to Helen A. Hunscher, Association president and head of the Home Economics Department, Western Reserve University, other sessions will include varied discussions from the history of nutrition and dietetics to the teaching of nutrition and dietetics to medical students. A large variety of exhibits of the latest trends in food preparation and food service equipment will be displayed in Mechanics Hall for the 3,000 experts in the dietetics field expected at the meeting. Election and installation of new officers and a pre-convention meeting of the House of Delegates are scheduled for October 18.

The American Society for the Study of Arteriosclerosis will hold a scientific meeting October 31 and November 1 at the Hotel Knickerbocker, Chicago. The scientific sessions will be devoted to the presentation of 15-minute papers. A banquet has been scheduled for Sunday night, at which W. B. Kountz, president of the Board of Directors, will preside and C. J. Van Slyke, director of the National Heart Institute, will appear as guest speaker. Further information may be obtained from the secretary, O. J. Pollak, Quincy City Hospital, Quincy 69, Massachusetts.

A symposium on "Ultrasonics and Macromolecules" will be held at the Institute of Polymer Research of the Polytechnic Institute of Brooklyn on October 23. The program will include the following speakers: J. W. Ballou,

of the Du Pont Company (chairman)—“Opening Remarks”; Geoffrey Gee, British Rubber Producers Association—“Dielectric and Mechanical Properties of Polymers at High Frequencies”; Karl Sollner, U. S. Public Health Service—“Ultrasonic Mechanisms in Colloidal Systems”; Warren P. Mason, Bell Telephone Laboratories—“Mechanical Properties of High Polymer Liquids at Ultrasonic Frequencies”; and A. Wilson Nolle, University of Texas—“Mechanical Properties of Some High Polymers at Ultrasonic Frequencies.”

The National Committee for Mental Hygiene will hold its 39th annual meeting November 3-4, at the Hotel Pennsylvania, New York City. The four scientific sessions will include discussions of problems emerging from the recent International Congress on Mental Health, the program of UNESCO and WHO, and the World Federation for Mental Health; evaluation of the Federal mental hygiene program; development and responsibility of the citizen for improvement of state psychiatric services; and foundations for positive mental health.

Presentation of the Lasker Award for 1948 for a significant contribution to the education of the physician in the psychological aspects of medical practice will be made at the annual luncheon scheduled for November 4. At this time a discussion will be held on the 10-year national program for mental health.

The 28th annual meeting of the Highway Research Board will be held this year December 7 through 10 at the building of the National Academy of Sciences and National Research Council, 2101 Constitution Avenue, Washington, D. C. It is expected that attendance at this meeting will exceed that at the annual meeting of the Board held in Washington last December when 853 persons registered and 125 technical papers and reports were presented and discussed at 24 separate public sessions. Thirty-six State Highway Departments, 31 colleges, 26 government bureaus, and 33 national associations were represented.

During the week of the meeting the 6 departments of the Board—Economics, Finance, and Administration;

Design; Materials and Construction; Maintenance; Traffic and Operations; and Soils—will assemble and discuss the research aspects of the important problems confronting the highway industry as a whole. Many of the 67 project committees will also meet to discuss their research activities for the coming year.

The American Society of Naturalists at its meeting in Washington, D. C., on September 13, elected Tracy M. Sonneborn, of the Department of Zoology, Indiana University, president for 1949. Kenneth V. Thimann, professor of plant physiology at Harvard University, was elected vice-president.

A Symposium on “Yeasts in Feeding” will be held November 8-10 at the Hotel Pfister in Milwaukee, Wisconsin, under the joint sponsorship of Associates of the Food and Container Institute, the Brewers Yeast Council, the Yeast Industry, and the Quartermaster Food and Container Institute for the Armed Forces. The purpose of the symposium is to make available to food processors and food research personnel the most recent data and information relating to yeast and its suggested applications in foods for human as well as animal consumption. Technical papers will deal with yeast production, composition, nutritional aspects, and various uses for yeast products. J. M. Leinen, of the Jos. Schlitz Brewing Company, Milwaukee, is chairman of the local arrangements committee.

The 76th annual meeting of the American Public Health Association has been scheduled for November 8-12 in Boston, Massachusetts, according to Reginald M. Atwater, the Association's executive secretary. A program of over 300 papers, many to be given by the Nation's leading physicians, scientists, and public health authorities, has been planned for the 4,000 members of the Association expected to attend the meeting. Most of the meetings will be held in Mechanics Hall, where many scientific and commercial exhibits will be on display. The 29 related organizations of the APHA will also be meeting in Boston at the same time.

The Society of American Foresters will hold its annual meeting at the Statler Hotel, Boston, Massachusetts, December 16-18. According to Clyde Martin of Tacoma, Washington, president of the Society, the national meeting will open December 16 with individual sessions of the Society's 9 divisions dealing with private forestry, forest economics, forest recreation, forest products, forestry education, wildlife management, range management, silviculture, and public relations. Nonmembers interested in these specialized fields are urged to attend any of these sessions. On December 17 the 50th anniversary of professional forestry education in America will be observed with addresses by well-known forestry educators. Technical papers on forest practices in the Northeast will be given by representatives of Federal and State governments and the forest products industries at the final session on December 18.

Deaths

Kenneth L. Mahony, 41, professor of biology at the University of Kansas City, died of leukemia on August 21 while visiting in Mazomanie, Wisconsin.

Charles Dean Bunker, 76, curator emeritus of Modern Vertebrates at the Museum of Natural History of the University of Kansas, died September 5 in Lawrence, Kansas.

Lyda May Degener, 57, former head of the Department of Health Education and professor of physiology and hygiene at Wells College, died September 10 at her home in Ivyland, Pennsylvania.

Harry J. Patterson, 81, retired director of the University of Maryland Agricultural Experiment Station and one-time president of the Maryland Agricultural College, predecessor to the University, died September 11 in Boston, Massachusetts.

Arthur J. Roy, 78, chief astronomer of the Department of Meridian Astronomy, Carnegie Institution, from 1907 through 1936, and staff member of the Dudley Observatory, Albany, New York, died at his home in Albany on September 11.

Newton C. Jones, 43, manager of the Niagara Falls plant of the Du Pont Electrochemical Department, died of a heart attack September 13 in Niagara Falls, New York.

Fred Boerner, 59, professor of clinical bacteriology at the University of Pennsylvania, died September 16 at his Drexel Hill, Pennsylvania, home. Dr. Boerner had also served as laboratory director of the American Stomach Hospital and as consultant bacteriologist for the Pennsylvania Department of Health.

Ruth Fulton Benedict, 61, noted author and professor of anthropology at Columbia University, died September 17 at New York Hospital, New York. A specialist in the study of behavior patterns, Dr. Benedict had spent the summer in Europe as director of a research project in contemporary cultures for ONR and Columbia.

Otis Hamilton Lee, 45, professor and chairman of the Philosophy Department at Vassar College, died September 17 in Peacham, Vermont, of a heart attack.

The Philadelphia Section of the American Chemical Society will again this year sponsor special non-credit courses designed to advance the training of chemists in the Philadelphia area. The course "Pharmacology for Chemists," consisting of 10 two-hour weekly courses beginning October 18, will be given by Carl F. Schmidt, of the University of Pennsylvania Medical School. It will provide a basic knowledge of pharmacology for chemists who do not have extensive training in the biological sciences. A survey course on "Recent Developments in Inorganic Chemistry" will be offered on successive evenings beginning October 19. Lecturers include H. S. Booth, W. C. Fernelius, J. C. Bailar, Jr., L. C. Hurd, L. F. Audrieth, R. Word, W. C. Schumb, C. D. Coryell, and R. E. Kirk.

Classes will be located at the Philadelphia College of Pharmacy and Science, 43rd and Kingsessing Avenue, and will be open to both members and nonmembers of the Philadelphia Section. Information may be obtained

from J. F. Gall, Whitmarsh Research Laboratories, Pennsylvania Salt Manufacturing Company, Wyndmoor, Pennsylvania.

An evaluation of many tests used for detecting cancer in its early, curable stages will be made in a project recently announced by the National Cancer Institute. The specific aim of the program will be to discover which of the diagnostic tests are dependable and simple enough for widespread use, to refine the more promising ones, and to develop new tests. Discussions between Institute personnel and consultants from medical schools and other institutions over the past year have resulted in the organization of a plan in which laboratory and clinical studies will be made simultaneously by the cooperating organizations. When promising tests are indicated, they will be applied, first, to a small number of previously investigated cases and, later, if justified, to thousands of persons, with or without cancer, who pass through the cooperating institutions. One of the agencies which will be put to extensive use is the U. S. Public Health Service Medical Center at Hot Springs, Arkansas, where the Institute now operates a pilot cancer detection unit.

The Laboratorio de Investigaciones Histológicas e Histopatológicas which was in charge of the late Spanish scientist, P. del Rio Hortega, until his death and which subsequently has been directed by M. Polak, has recently moved to Montevideo 81, Buenos Aires, where, under the patronage of the "Fundación Roux," it will continue with the development of its research and teaching activities.

The Department of the Army has established a program of particular interest to scientists who hold Reserve commissions in the Army and who are professionally engaged in teaching or research and development. The objectives of the program are: (1) to maintain the useful affiliation of scientists with the Organized Reserve Corps; (2) to provide peacetime Reserve assignments for these officers, enabling optimum utilization of their education, experience, and skills; (3) furnish mobilization assignments which will fully utilize their talents; and

(4) to prepare these officers adequately for mobilization.

The Technical Services of the Department of the Army submit to these Research and Development Reserve Groups research problems and projects which pose an intellectual challenge to the members of the group. At the same time the program provides members of each group with a type of training which is in keeping with their scientific and technical competence, rather than the traditional training session in which scientists have little or no interest.

The program is new and is being carried out only in those areas where there is a definite local interest. To date, 8 Research and Development Reserve groups have been activated; 16 additional groups are in process of activation. Others are in the initial stages of formation. Several of these groups have been formed in communities in which large universities, industrial research laboratories, or private research foundations are located. Typical localities are Chicago, Illinois; Wilmington, Delaware; Newark, New Jersey; Houston, Texas; Washington, D. C.; Manhattan and Lawrence, Kansas; Champaign-Urbana, Illinois; Pittsburgh, Pennsylvania; Denver, Colorado; and Detroit, Michigan.

Provision is made for research projects of interest to all categories of scientists—chemists, physicists, engineers, geologists, geographers, psychologists, mathematicians, and all of the biological scientists.

Reserve officers who are presently engaged in civilian research, teaching, or industrial development or who, in the past, have had specific research experience are eligible to make application for assignment to a Research and Development Reserve Group. A group may be activated wherever there are 20 or more qualified officer scientists who desire to participate in the program. A subgroup may be formed with only 10 qualified members. The program is under the general direction of the Research and Development Group, Logistics Division, General Staff, U. S. Army. The entire program is outlined in Department of the Army Circular 127, dated May 5, 1948. Inquiry about formation of such a group or admittance to a group already activated should be made at the local

level to the Unit Instructor or to the Senior Army Instructor, Organized Reserve Corps.

The Oak Ridge Institute of Nuclear Studies has announced that four additional radioisotope courses have been scheduled for this fall and winter. The additional courses are being offered in view of the fact that, although more than 300 qualified individuals applied for entrance to one of the three courses held during the summer months, there were only 96 places in these three courses.

Dates for the new courses and the fields of interest which will have priority follow: October 25, industrial personnel; January 3, government personnel; February 14, medical personnel; March 14, general.

Applications for the courses are now being accepted. Additional information and application blanks may be obtained from Dr. Ralph T. Overman, Head, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

The current Archaeological Expedition to the Southwest by the Chicago Natural History Museum has revealed "four centuries of missing Indian history." According to Paul S. Martin, expedition leader and chief curator of anthropology, this year's expedition has "struck paydirt." With his associates, Dr. Martin has been investigating the little-known culture of the Mogollon and Pine Lawn Valley near Reserve, in the mountainous, southwestern section of New Mexico. In previous diggings, Dr. Martin had discovered that the founders of the Mogollon culture settled in this Valley some 6,000 years ago. Earlier, he had traced their life as roving, hunting bands to the pit-house villages of 500 A. D. Traces of the Mogollon culture from the period 500-900 A. D., however, were unknown until Dr. Martin's recent findings.

The newly discovered pit-house (a cellar with a roof) is unlike others found in this area. The Mogollones built deep, rectangular houses with long, stepped passage-entryways facing east. Foodstuffs, no longer stored in pits dug in the floor, were more conveniently placed in the walls. For the first time delicate and well-executed

Mogollon decorated pottery appears, in contrast to the long history of plain, undecorated artifacts.

Japan's three major scientific and technological societies are described in a report recently prepared by the staff of the Supreme Commander of the Allied Powers. The societies described are: the Imperial Academy, founded in 1897 and now under the supervision of the Ministry of Education, which aids scientific development by subsidizing or conducting research, publishing scientific works, and fostering international intercourse of ideas; the National Research Council, organized in 1920, which advised the Japanese Government on worthwhile scientific research and the extent to which such work should be state-supported; and the Japanese Society for the Promotion of Science, formed in 1931. This last group was formed with the purpose of keeping Japan's "technological and ideological progress in phase with the moving world events."

Historical summaries of Japan's three major science organizations are included in the new report, together with organizational details, expenditure records, outstanding researches conducted, publications and membership lists. The report, PB 92127, *Scientific and Technological Societies of Japan*, sells for \$11.25 in photostat form, \$3.75 in microfilm. Orders should be addressed to the Library of Congress, Photoduplication Service, Publication Board Project, Washington 25, D. C., accompanied by check or money order payable to the Librarian of Congress.

A new dental film in color, "Dental Amalgam—Failures Caused by Moisture Contamination," has just been completed at the National Bureau of Standards. The 16-mm sound film, prepared under the joint auspices of the Bureau and the Research Commission of the American Dental Association, is the second of a series of technical films prepared for dental and allied professions. It shows how moisture contamination, usually produced by mixing amalgam in the palm of the hand and by condensing amalgam in a wet field, arises and describes a satisfactory technique for the prevention of contamination.

The film is available either as a loan or purchase through the Office of Scientific Publications, National Bureau of Standards, Washington 25, D. C. It is advisable that loan requests be made at least 30 days in advance of any projected showing.

Correction: In the article by Dr. Millikan entitled "The Progress of Physics From 1848 to 1948" (*Science*, September 3, p. 230) the last part of the fifth paragraph should have read: "... Ampere, the Frenchman, in the 1820's had developed that field with great skill and insight; while England's unsurpassed experimentalist, Faraday, had in 1831 discovered electromagnetic induction and in 1834 had laid the secure foundation for the whole field of electrolysis."

Make Plans for—

4th Annual National Conference on Industrial Hydraulics, October 20-21, Hotel Sheraton, Chicago, Illinois.

American Standards Association, 30th annual meeting, October 20-22, Waldorf-Astoria Hotel, New York City, New York.

American Association of Textile Chemists and Colorists, 27th national convention, October 21-23, Sheraton Bon Air Hotel, Augusta, Georgia.

National Metal Congress, American Society for Metals, October 25-29, Benjamin Franklin Hotel, Philadelphia, Pennsylvania.

Gas Discharge Conference, October 27-29, Brookhaven National Laboratory, Upton, New York.

American Institute of Chemical Engineers, annual meeting, November 7-10, Pennsylvania Hotel, New York City, New York.

Geological Society of America, November 11-13, Pennsylvania Hotel, New York City.

2nd International Symposium on Feelings and Emotions, sponsored by the Loyal Order of Moose in cooperation with the University of Chicago, October 28, Mooseheart, Illinois; October 29-30, University of Chicago, Chicago, Illinois.