News and Notes

International Committee for Coal Petrology

THE first meeting of the International Committee for Coal Petrology was held at the Central Laboratory of the Netherlands States Mines at Geleen, Holland, June 9–11, 1953.

This meeting was arranged at the time of the Third Conference on Carboniferous Stratigraphy, June 25–30, 1951 (SCIENCE, **114**, 2467, 509 [1951]). It was attended by not more than 4 official representatives from each of the following countries: Belgium (4), England (3), France (1), Germany (4), India (3), Japan (1), Netherlands (4), and United States (2), The meeting discussed the importance of polished-surface coal microscopy (presented by E. Stach), quantitative methods of coal petrology as applied in industry (presented by M. Th. Mackowsky), coal petrology or anthracology in America (presented by G. H. Cady), coal reflectance (presented by C. A. Seyler and D. W. van Krevelen). Resolutions were adopted in support of a proposal to undertake the preparation of a glossary of coal petrology and an international committee appointed to carry this project through. It was further resolved (1) to make analyses of several polished thin sections by transmitted and incident light the sections to be supplied by the U. S. Bureau of Mines (Parks) or by the Amt für Bodenforschung (Teichmüller) with analyses carried on at Pittsburgh (U. S. Bureau of Mines), Krefeld (Amt für Bodenforschung) and in Sidney, Nova Scotia (Geological Survey of Canada); (2) to organize an exchange of experience in the field of coal-petrography analysis using mounted broken coal specimens (such specimens were supplied interested visitors with reports requested by October 1, 1953); and (3) to take under consideration a scheme of coal classification by petrographic composition and rank proposed by Dr. D. W. van Krevelen which is suitable for recording in a numerical code and is adaptable to punch-card systems of record. It is understood that the details of this proposal will soon be made available in print.

The next meeting of the Committee is to be in 1955 at Lille, France.

GILBERT H. CADY

Urbana, Illinois

Meeting of the Medical Library Association

THE 52nd Annual Meeting of the Medical Library Association was held in Salt Lake City, Utah, June 16–19, 1953. William D. Postell (Louisiana), President of the Association, presided. There were 147 registrations.

The opening session included an illustrated talk on "Methods of Investigation of Human Inheritance," by Frank H. Tyler and Fayette E. Stephens (University of Utah).

At the Medical School Group Meeting, highlights were papers by Frank A. Lundy (University of Nebraska) on "Medical School Library Administration," and by Chauncey D. Leake (University of Texas) on "The Role of the Medical Library in the Medical School Curriculum."

Among the papers presented at the Pharmacy Group Meeting were those by Irene M. Strieby (Eli Lilly) on "The Pharmacy Library of the Future," by George E. Osborne (University of Utah) on "Faculty and Student Use of the Library," and by Richard A. Deno (University of Michigan) on "The Proposed Joint Committee on Pharmacy College Libraries." Harold Oatfield (Chas. Pfizer) was elected Chairman of the Pharmacy Group for the next year.

The Medical Society Group Meeting heard several reports and papers. Pauline Duffield (Texas Medical Association) and Helen Holt (Houston Academy of Medicine) were elected Co-Chairmen of the Group. There was also a panel discussion on regional meetings.

William Jerome Wilson gave an informal account of his recent book-buying trip to Europe. Considerable interest was shown in Dr. Wilson's experiences with bookdealers, his film packet system of checking holdings, and his observations on the people and countries visited.

One session was devoted to a Symposium on Classification. Another session was held at the new VA Hospital at Fort Douglas. Here a remarkable film, "Seizure," was shown, with introductory remarks by Madison Thomas, Department of Psychiatry, University of Utah.

L. H. Kirkpatrick, University of Utah Library, was the principal speaker at the Annual Banquet. His topic, "Gathering Books for the Saints: a History of Libraries in Territorial Utah," was both interesting and informative. Mary Louise Marshall (Tulane) received the Marcia C. Noyes award for distinguished service in medical librarianship.

Officers were elected for the coming year (SCIENCE, **118**, 40 [1953]).

Scientists in the News

Harold M. Janney, Medical Director of the U.S. Penitentiary, Atlanta, Ga., since 1950, has been appointed Medical Director of the Bureau of Prisons by the U.S. Department of Health, Education, and Welfare. The Public Health Service administers the medical care, health, and hospital activities in Federal penal and correctional institutions for the Bureau of Prisons of the Department of Justice.

The Honor Scroll of the American Institute of Chemists, awarded annually by the Chicago Chapter

of the Institute for distinguished service to the profession of chemistry, will be presented this year to **Hilton Ira Jones,** Managing Director of Hizone Research Laboratories, Wilmette, Ill. Dr. Jones has been selected to receive this honor because of his marked influence upon the profession of chemistry through his activities as a teacher, research director, lecturer, and organizer of and participant in scientific groups.

Wunibald I. E. Kamm, a consulting engineer for the U.S. Air Force and formerly Professor of Mechanical Engineering at the Technical University of Stuttgart, Germany, has been named Research Professor of Vehicle Mechanics at Stevens Institute of Technology. He will also hold the post of Senior Scientist in the Institute's Experimental Towing Tank Laboratory.

Chester Scott Keefer has been made Special Assistant for Health and Medical Affairs to the Secretary of Health, Education, and Welfare. Dr. Keefer plans to fill his newly created position on a part-time basis, also continuing as Wade Professor of Medicine at Boston University and as Physician-in-Chief at Massachusetts Memorial Hospital.

Robert H. Knapp, Associate Professor of Psychology at Wesleyan University, has been named by the Ford Foundation as Deputy Director of the Behavioral Sciences Division.

At Kent State University, Ohio, **L. L. Lowenstein** is retiring as Head of the Department of Mathematics but is continuing to serve as Professor of Mathematics. **L. E. Bush,** a professor at the College of St. Thomas, St. Paul, Minn., succeeds Dr. Lowenstein.

William C. Looney, formerly a professor at Lambuth College, Jackson, Tenn., has been appointed as chemist in the Research and Development Department of The Chemstrand Corporation.

Laurence S. Maynard, formerly Deputy Commissioner of the Suffolk County, N.Y., Department of Health, has joined the staff of the Medical Department of the Brookhaven National Laboratory.

The Carbohydrate Division of the American Chemical Society has named **George P. Meade** "Man of the Year." Mr. Meade is co-author of *Cane Sugar Handbook,* which is the second oldest industrial manual in continuous publication.

Robert Franklin Mehl, Director of the Metals Research Laboratories and Professor of Metallurgy at Carnegie Institute of Technology, is to receive the Francis J. Clamer Medal. The Franklin Institute of Pennsylvania is honoring Dr. Mehl for "his numerous useful contributions in the fields of theoretical and applied metallography and metallurgy." Presentation will be made at the Institute's annual Medal Day Ceremonies, at which time **Adolph Meyer,** retired Managing Director and Chief-Engineer of Brown Boveri & Company, Ltd., Baden, Switzerland, will also be honored. He will be awarded the George R. Henderson Medal "in consideration of his basic contributions to scientific research on the Gas Turbine power plant, and, in particular, his pioneer work in the develpoment of the first successful Gas Turbine Locomotive."

Robert M. Parke has been named Manager of the Materials and Processes Section of the Metallurgy Research Department in the General Electric Research Laboratory, Schenectady.

W. H. Sellers, a professor at Alderson-Broaddus College, has accepted a position as a flutter and vibration technologist with Fairchild Aircraft Division, Hagerstown, Md.

Irving Serlin, recently a research associate in the Department of Medicine at Columbia University, has been appointed to the staff of the Brookhaven National Laboratory. He will collaborate in investigations on the metabolism of amines in the Medical Department's Division of Physiology.

Hanor A. Webb is retiring after 36 years of service at the George Peabody College for Teachers, Nashville, where he organized the Departments of Chemistry and of Science Education.

Frank E. Whitacre, Chief of the Division of Obstetrics and Gynecology at the University of Tennessee College of Medicine and the John Gaston Hospital, has resigned, effective Sept. 30, to accept a similar position at Vanderbilt University.

John H. Woodburn, Assistant Professor of Science at Illinois State Normal University, has joined the staff of the National Science Teachers Association as Assistant Executive Secretary. He will have chief responsibility for the Future Scientists of America Foundation activities and projects, but will render service to the Association in other ways as well. He has also accepted a part-time appointment to the staff of McCoy College of The Johns Hopkins University in Baltimore.

Education

The **American Cancer Society,** in conjunction with the Columbia Broadcasting System TV Network, will produce during 1953–54 a series of closed-circuit color television programs for doctors in general practice. There will be thirty, one-hour closed-circuit color television broadcasts which will be viewed by practitioners in six major cities in the northeast—Boston, Philadelphia, Pittsburgh, Detroit, Toledo, and New York—with the possibility that other cities will be added as the series progresses. All programs will originate in New York, from the Columbia-Presbyterian Medical Center and from the Memorial Center. The tentative starting date for the series is Oct. 21 from 5:00 to 6:00 P.M. Programs will be broadcast

on alternate Wednesdays until Dec. 2, after which they will be presented weekly. Approximately 3000 physicians will view the programs. This represents the total number which the receivers at the outlet cities can accommodate, namely, 500 per receiver.

In accordance with its policy of rotating chairmanship and, as occasion demands, other executive offices, the Department of Geology, **Columbia University,** has made the following changes: Marshall Kay has been appointed Executive Officer for a term of three years, succeeding Walter H. Bucher; Professors Kay, Charles H. Behre, Jr., and Paul F. Kerr form the Executive Committee; and Professor Maurice Ewing is Director of the Lamont Geological Observatory.

The annual series of lectures by the **Harvey Society,** given under the patronage of the **New York Academy of Medicine** at its headquarters, begins on Sept. 24 with a presentation on "The Metabolism of Sulfur and Its Relations to General Metabolism" by Claude Fromageot, Professor of Biological Chemistry, Faculty of Sciences, University of Paris, France. The lectures for the next four months will be:

Oct. 15, "Adenosinetriphosphate and Motility of Living Systems." Hans H. Weber, Professor of Physiology and Director of the Physiological Institute, University of Tübingen, Germany.

Nov. 19, "Metabolism and Function of the Nerve Cell." David Nachmansohn, College of Physicians and Surgeons, Columbia University, New York.

Dec. 17, "The Significance of the Intermediate Substances of the Connective Tissue in Human Disease." Paul Klemperer, Pathologist to the Mount Sinai Hospital and Professor of Pathology, College of Physicians and Surgeons, Columbia University, New York.

Jan. 5, "Genetic Chemistry of the Pneumococcal Transformations." Rollin D. Hotchkiss, Associate Member, The Rockefeller Institute for Medical Research, New York.

Grants and Fellowships

A new fellowship program for qualified radiologists who wish to have additional periods of training at certain clinics in the United Kingdom, the Scandinavian countries, and France has been announced by the **American Cancer Society.** Fellowships are available for 1 year to American citizens who are under 40 years of age. Applications, which may be obtained from the New York office of the ACS, should be accompanied by letters of acceptance from the foreign institution in which the fellowship period will be spent.

The latest allocations by the **Damon Runyon Memorial Fund for Cancer Research,** which total $146,860 for July and August, have sent the Fund's cancer research grants since 1946 over the $7,000,000 mark. Since the memorial fund was established in December, 1946, $7,068,716 has been allocated in 380 grants and 251 fellowships in 168 institutions in 47 states, the District of Columbia and 14 foreign countries.

An institutional grant of $7,000 to the Hitchcock Research Foundation at Dartmouth College marked the first grant for medical research in that state. Three grants, totaling $37,480, went to the College of Physicians and Surgeons at Columbia University. The other awards were:

New York University Washington Square College of Arts and Sciences, $9,500 for a cancer research project under Morris H. Harnly.

Fordham University, $7,200 for a project on the role of nucleic acid in growth phenomena under Leopold Cerecedo.

Sloan-Kettering Institute–Memorial Center, $24,300 for a continued study of cancer of the respiratory and upper gastro-intestinal tracts under C. P. Rhoads and Emerson Day.

Lobund Institute at Notre Dame University, $20,500 to support, for the fourth year, studies on germ-free life as a biological tool for cancer research.

University of California School of Medicine, San Francisco, $13,920 for a project under David M. Greenberg.

Buffalo University School of Medicine, $12,960 for research work being conducted by Ernest Witebsky.

Wills Eye Hospital, Philadelphia, $4,800 for an investigation of the transplantation of tumors into the fundus of the eye by Irving H. Leopold.

Two research fellowships were granted, one for $5,400 to Henry J. Vogel for his studies at the Osborn Botanical Laboratory at Yale University, and the other, amounting to $3,800, went to Fred Rothstein at the Massachusetts Institute of Technology.

The **Division of Medical Sciences of the National Research Council** is accepting applications for postdoctoral research fellowships for 1954–1955. These awards are designed to offer research experience for promising individuals who look forward to investigative careers, and not to provide practical experience in the clinical field. Ordinarily, fellowships are not granted to persons over thirty-five years of age. The following programs are announced:

Fellowships in Cancer Research are awarded by the American Cancer Society on recommendation of the Committee on Growth of the Division of Medical Sciences. Awards are available for study in all branches of the biological, chemical and physical sciences, and of clinical investigation applicable to the study of growth, typical or malignant. Citizens of the United States are eligible.

British-American Exchange Fellowships in Cancer Research also are awarded by the American Cancer Society upon recommendation by the Committee on Growth. They are offered to citizens of the United States for advanced study in Great Britain in specialized fields pertaining to the problem of cancer. Similar fellowships are awarded by the British Empire Cancer Campaign to young British scientists for research in the United States.

Fellowships in the Medical Sciences, supported by The Rockefeller Foundation and by The Lilly Research Laboratories, are administered by the Medical

Fellowship Board of the Division. Fellows are expected to devote themselves to research in the basic medical sciences. The Rockefeller Fellowships are open to citizens of the United States and Canada; the Lilly Fellowships only to citizens of the United States.

Fellowships in Tuberculosis are also administered by the Medical Fellowship Board under a grant from the National Tuberculosis Association. These awards are designed to promote the development of investigators in fields related to tuberculosis. They are open to citizens of the United States who are graduates of American schools.

Fellowships in Radiological Research are administered by the Division's Committee on Radiology for the James Picker Foundation. The Foundation has expressed particular interest in the support of candidates who propose to carry on research oriented toward the diagnostic aspects of radiology. Appointments are not limited to citizens of the United States.

Applications for 1954–1955 under any of these programs *must be postmarked on or before 10 December 1953.* Fellowships are awarded in the late winter or early spring. Complete details and application blanks may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington 25, D.C.

The **John and Mary R. Markle Foundation** will continue for a seventh year the Scholar in Medical Science program to help scientists on medical school faculties to become established as teachers and investigators in their chosen fields. A total of 111 Scholars on the staffs of 55 medical schools in the United States and Canada have been aided by these grants since the program began in 1948. Twenty-one were appointed in 1953. The number to be named in 1954 has not been determined.

Each medical school is invited to nominate one faculty member as a candidate for the five-year, $30,000 grant. For support of each Scholar selected, the medical school receives an annual grant of $6,000 for the term of the appointment. *All nominations should be in the Foundation offices on or before December 1, 1953.* On request, a booklet giving further information will be sent by the Foundation, 14 Wall Street, New York 5.

In the Laboratories

The **Armour Research Foundation** of the Illinois Institute of Technology has announced a new brochure describing the facilities and services available to industry for research in all phases of the food technology field.

Davis & Geck, a unit of the American Cyanamid Company, has opened a new plant in Danbury, Conn. The Danbury plant will manufacture the surgical sutures and specialties now being produced at 57 Willoughby St., Brooklyn, N.Y.

Eastman House in Rochester, New York, has installed a special photographic exhibit saluting the Bausch & Lomb Optical Co. on the occasion of its 100th Anniversary. The exhibit consists of two photographic presentations, each of which is shown on a series of five panels. It also includes a display of old and new photographic optical products.

The **Edwal Laboratories, Inc.,** has become the Ringwood Chemical Corporation.

The **Hunter Associates Laboratory,** Falls Church, Va., is a small, new laboratory specializing in the measurement of light. It has been established to meet the need of busy chemists, engineers, and executives for a source of information and data on the photometric properties of their products.

The **North American Philips Company, Inc.** has announced that the fall session of the X-Ray Diffraction School will be held during the week of Oct. 5–9 at its plant at 750 South Fulton Ave., Mount Vernon, N.Y.

A group of six chemists at the Eastern Regional Research Laboratory, **U.S. Bureau of Agricultural and Industrial Chemistry,** Philadelphia, has received the Department of Agriculture's Distinguished Service Award for research which led to the use of modified fats and oils in plastics. Those honored were John T. Scanlon, Daniel Swern, Hogan B. Knight, Edmund F. Jordan, Jr., Thomas W. Findley, and Geraldine Billen Dickel.

At the **U.S. Naval Ordnance Laboratory,** White Oak, Md., the Technical Shops have completed and officially opened a new heat treating room. This new facility makes available to NOL's engineering staff flexible and considerably varied services relating to the hardening, tempering, and annealing of steels and other metals for special uses.

Meetings and Elections

AAAS Section G—Botanical Sciences has added to its program for the Boston Meeting of the Association the SECOND NATIONAL POLLEN CONFERENCE. The plan of the first conference, held at Yale University in February, will be repeated at Boston, with papers on completed work and studies in progress, together with round-table discussions of problems in pollen and spore work. Persons interested in any phase of palynology are invited to participate. In the spring of 1954, pollen workers will meet at the University of Michigan for a program of field trips, demonstrations, and exhibits. The Pollen Conference at Boston will be cosponsored by the **Ecological Society of America.**

Contributed papers in all fields of botany are also welcome for the general sessions of Section G at the Boston meetings. The Secretary wishes to remind authors that their titles must be sent to Stanley A. Cain, School of Natural Resources, University of Michigan, Ann Arbor, *by October 10.*

The **American Association of Neuropathologists** has elected the following officers for 1953–54: pres., Clemens E. Benda, Walter E. Fernald State School; v. pres., Raymond D. Adams, Massachusetts General Hospital; sec.-treas., Leon Roizin, New York Psychiatric Institute.

The **American Society for Testing Materials** has elected the following officers for 1953–54: pres., Leslie C. Beard, Jr., Socony-Vacuum Laboratories, New York; v. pres., C. H. Fellows, the Detroit Edison Co.

The **Society for Applied Spectroscopy** has elected the following officers for 1953–54: pres., Van Zandt Williams, The Perkin-Elmer Corp.; v. pres., Paul E. Lighty, Federal Telecommunications Lab.; sec., C. A. Jedlicka, United States Testing Co., Inc.

Miscellaneous

Discovery of an 8400-foot deep basin six miles long and two miles wide on the floor of the Pacific Ocean off the west coast of Mexico has been announced by the **Allan Hancock Foundation for Scientific Research** at the University of Southern California. The newly surveyed area covers 1500 square miles, more than the state of Rhode Island. It has been named the Velero Basin because it was found from the research ship Velero IV.

AAAS, administrator of the $2,000 **George Westinghouse Science Writing** competition, has announced that nine prominent figures in education, journalism, and science have been named to choose the two finest science writing efforts of 1953. Morris Meister, Principal of the Bronx (N.Y.) High School of Science and Past President of the National Science Teachers Association, is chairman of the board of judges. The other judges are: James A. Linen, Publisher, *Time* magazine; Henry R. Aldrich, Secretary and Editor-in-Chief, Geological Society of America; Geoffrey Edsall, Director, Immunology Division, Army Medical Service Graduate School; John R. Dunning, Dean, Faculty of Engineering, Columbia University; Rudolph Flesch, Readability Consultant; C. C. Hemenway, former Editor, Hartford (Conn.) *Times*; Hillier Krieghbaum, Professor, New York University Department of Journalism; and Raymond L. Taylor, Associate Administrative Secretary, AAAS.

Construction and operation of the world's fastest high-speed general-purpose digital computer (electronic brain) has been announced by Argonne National Laboratory. The computer, known as the **ORACLE** (Oak Ridge Automatic Computer, Logical Engine), was designed and constructed at Argonne by a staff of engineers from Argonne and Oak Ridge National Laboratory under the direction of J. C. Chu. It will be installed at Oak Ridge early this fall, and will be used by the Oak Ridge National Laboratory mathematical panel under the direction of Dr. A. S. Householder.

The new computer, built at a cost of $350,000, contains three features that make it superior to other computing devices. First, its internal memory system has the greatest capacity of any high-speed general-purpose computer ever built. It can receive, retain, and process as many as 2,048 twelve-digit decimal numbers, which is twice that handled by computers of this type and about eight times that of most of the earlier machines. Second, the ORACLE is provided with a remotely controlled auxiliary memory system (magnetic tape) that provides for the memorizing or storing of four million words. This is the largest memory system ever contemplated for a computer. Third, the ORACLE is the fastest of the general-purpose computers. It can multiply twelve-digit numbers such as 999,999,999,999 by 999,999,999,999 in less than 1/2000 of a second. The addition of two twelve-digit decimal numbers takes place in about 5/1,000,000 of a second. A difficult mathematical problem that would take about 5 to 6 years for two mathematicians to solve with the use of desk-type electric calculators could be completed in about 20 to 30 minutes by the ORACLE.

Recent **visitors from abroad** at the National Bureau of Standards:

Armando Michelangeli, Ministry of Public Works, Caracas, Venezuela.

Walter S. Michel, National Research Council, Ottawa, Canada.

Nayar-Ul-Haq, Assistant Mechanical Engineer, Pakistan State Railways, Karachi, Pakistan.

Arshad Munir, Assistant Mechanical Engineer, Pakistan Government Railroads, Pakistan.

Thannickal Radhakrishnan, Senior Scientific Assistant, Ahmedabad Textile Industry's Research Association, Ahmedabad, India.

M. Jacob, Director of Service de la Métrologie, Ministère des Affaires Economiques et des Classes Moyennes, Brussels, Belgium.

Sabri Sami, Structural Engineer, Cairo, Egypt.

Freddy Bahli, T.C.A. Fellowship, University of Rangoon, Burma.

Elpidio C. Vera, Senior Geologist, Philippine Bureau of Mines, Manila, Philippines.

João Baptista Perlott, Professor and Director of the Institute of Technology, Porto Alegre, Brazil.

Manoel Luiz Leão, Productivity Dept. of Manufacturers' Association of Rio Grande do Sul, Porto Alegre, Brazil.

E. R. Plumat, Chief of Central Laboratory, Union des Verreries Mecaniques, Belgium.

B. J. Spenceley, England.

M. F. Girismen, Turkey.

Correction. In the article "The Boston Meetings of the Association: A Bit of Background" (SCIENCE, **118**, 224) it was stated that of the 15 past presidents of the Association now living five are residents of New England. It should have been *six*: The name of Albert F. Blakeslee, for the past ten years Visiting Professor of Botany and Director of the Smith College Genetics Experiment Station, Northampton, Massachusetts, instead of being listed in a footnote, should have been included with Karl T. Compton, James B. Conant, Harlow Shapley, Edmund W. Sinnott, and Kirtley F. Mather. Apologies are offered to all concerned. *R. L. T.*