

News and Notes

The First Ohio Intercollegiate Geology Field Trip

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THE Kent State Geological Society successfully operated the first Ohio intercollegiate geology field trip on May 5. The society members, composed of geology majors and other interested students, patterned the trip after the annual New England intercollegiate excursions, which have been functioning for more than 40 years.

Nearly 100 practicing geologists, professors, students (graduate and undergraduate), and interested laymen visited the Cuyahoga Gorge Park northeast of Akron, Ohio, where rocks and structures of Pennsylvanian and Mississippian age were examined and discussed. The Mississippian-Devonian rock section along Chippewa Creek east of Brecksville, Ohio, was also studied. Student members of the geological society led the trip after distributing their own mimeographed 23-page résumé, including maps, diagrams, a plate of fossil types, and well log. Subject matter reviewed included glacial geology, geomorphology, paleontology, and economic geology of the lower Cuyahoga valley region.

Students and faculty members from the following institutions were participants: Western Reserve, Ohio, Ohio Wesleyan, Bowling Green, Kent State, and Ohio State. Several representatives were present from the Kirtland Geology Club, Ohio Division of Water Resources, U. S. Geological Survey, Cleveland Museum of Natural History, Akron *Beacon Journal*, and the Kent State Geological Society.

It has been suggested that Section C (geology) of the Ohio Academy of Science sponsor an intercollegiate trip each year. Several academy members favor the substitution of an intercollegiate trip for the recently initiated fall Academy of Science geology field trip. If this is done, then it is strongly recommended that the participation of students and laymen continue to be encouraged, for this was the primary purpose of the intercollegiate excursion. Then the spring field trip, operated annually by the academy's Section C, might maintain a more professional aspect.

Association of Geology Teachers

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THE first annual meeting of the Association of Geology Teachers, Eastern Section, was held at Easton, Pa., April 20-21. The Department of Geology

at Lafayette College, under the guidance of James L. Dyson, was host for the occasion. The first day of the meeting was devoted to the presentation and discussion of the following papers:

Successful Geology Teaching and the Association of Geology Teachers, Earl T. Apfel, Syracuse University
Status of Secondary Education Teaching in Geology, Ralph E. Digman, Harpur College
Geology Instruction at British Universities, Gerald M. Friedman, University of Cincinnati
Cooperation between the Association of Geology Teachers and the American Geological Institute, David M. Delo, Executive Director, American Geological Institute
Training Geologists and the Geologists at Work (colored movies), Geology Staff, Franklin and Marshall College
Problems of Teaching Geology in the Urban College, Robert L. Bates, Rutgers University
Geologic Instruction in Pennsylvania, Bradford Willard, Lehigh University
A Review Chart for Historical Geology, Lawrence Whitcomb, Lehigh University
Trends in Chemistry, Mathematics, and Physics Requirements for Geology Majors, Hugh R. Gault, Lehigh University
The Honors Major as an Aid in Selecting Candidates for Professional Training in Geology, Paul J. Storm, University of Pennsylvania
Geology and General Education, E. P. Thatcher, Washington College
Upgrading the Geological Slide Library, A. Scott Warthin, Jr., Vassar College

Emphasis was placed on the need for education of the general public in the value of geology, and upon the preparation of students so that they will be able to think independently about geology. The necessity of teaching more earth science in the secondary schools was demonstrated. Some of the papers will be published in the *Journal of Geologic Education*. During the business meeting, held on April 21, an interim constitution and bylaws for the new section were adopted.

The section was organized under the leadership of Ralph Digman, of Harpur College, in November 1950. He has served as president since its founding, and much of the success of this meeting was the result of his planning and enthusiasm. New officers elected for the coming year are: President, Chilton E. Prouty, University of Pittsburgh; vice president, A. Scott Warthin, Jr., Vassar College; secretary-treasurer, Milton T. Heald, West Virginia University; editor, Lawrence Whitcomb, Lehigh University.

Scientists in the News

James Whitman Agna, of Cincinnati, and David Hyman Feldman, of Chicago, have joined the ECA Specialized Technical and Economic Mission in Burma. The mission, undertaken at the request of the Burmese government, has been functioning since October 1950, with Leroy R. Allen, of the USPHS, as chief of its

public health division. The medical personnel attached to the mission now numbers 15.

Phyllis F. Bartelme, research consultant in psychology, has joined the professional staff of the National Society for Crippled Children and Adults as New York field representative and consultant in psychology. She will interpret specific needs of crippled children and adults to other national organizations in the health and welfare fields. She will also counsel and advise state and local Easter Seal affiliates of the national society in the development of psychological services for crippled children. Dr. Bartelme has been research consultant for the Institute of Welfare Research of the Community Service Society in New York.

George W. Beadle, chairman of the Division of Biology at Caltech, gave the first R. E. Dyer lecture at the National Naval Medical Center, on "Genetic Control of Metabolism." It opened the two-day program marking the cornerstone ceremonies for the new Public Health Service Clinical Center.

C. R. Bonnell, of the School of Mines and Metallurgy, University of Missouri, has been appointed research engineer at the Minneapolis-Honeywell Company.

R. A. Brink and **James F. Crow**, Department of Genetics, University of Wisconsin, have been elected managing editor and associate managing editor of *Genetics*. They are to succeed **Curt Stern**.

L. Virginia Carlton, of Northwestern State College, has been appointed head of the Department of Mathematics of Wesleyan College.

H. V. Churchill, chief of the Analytical Division of Aluminum Company of America's Research Laboratories in New Kensington, has retired from active service. He will be succeeded by his son, **J. R. Churchill**, who has been his assistant since December 1944. H. V. Churchill has been affiliated with Alcoa since 1919. J. R. Churchill began his career with Alcoa in the analytical division of the New Kensington Research Laboratories in 1929. In 1941 he became chief spectrographer, and in 1944 assistant chief of the analytical chemistry division.

Donald S. Clark and **Pol Duwez**, associate professors of mechanical engineering at Caltech, have received the Charles B. Dudley Medal, highest award of the American Society for Testing Materials. Presented at the annual meeting of the society in Atlantic City, the award was established in 1926 in recognition of meritorious contributions to research in engineering materials. Drs. Clark and Duwez wrote on "The Influence of Strain Rate on some Tensile Properties of Steel."

Cleo F. Craig has been elected president of American Telephone and Telegraph Company succeeding **Leroy A. Wilson**, who died on June 28 after a long period of illness and ill health. Mr. Craig, financial

vice president, had been named acting president two days before Mr. Wilson's death.

Edward F. Degering, professor of chemistry at Purdue, and a member of the faculty since 1930, will resign as of August 31. Dr. Degering, who is secretary of AAAS Section C, has been on leave of absence for two years at the Armour Research Foundation and at the Miner Laboratories. He has accepted a position as research manager with the Buckman Laboratories, of Memphis.

The Electrochemical Society has awarded **Paul Delahay**, of Louisiana State University, the Turner Book Prize for 1951, donated by Francis M. Turner, vice president of Reinhold Publishing Corporation. The award is made annually for the best paper submitted by a young electrochemist.

At the annual meeting of the board of the Frozen Food Institute, **Herman W. Dorn** was elected president for a term of three years. Dr. Dorn is a former member of the faculty of the University of Iowa and director of research for Irwin, Neisler & Company, Decatur, Ill., from which he recently resigned to open his own food and drug consulting offices in Decatur. From 1946 to 1950 he was associate editor of *Food Technology*.

John Field has been named head of the National Science Foundation's Division of Biological Sciences. Dr. Field, on leave of absence as chairman of the Department of Physiology of the University of California Medical School at Los Angeles, has been serving as head of the Biology Branch of the Office of Naval Research.

H. Munro Fox, professor of zoology in the University of London and president of the International Union of Biological Sciences, will be in Washington October 15-21 to attend a meeting of the Executive Committee of the International Council of Scientific Unions. After the meeting, he will visit university research laboratories and deliver certain lectures in California. Dr. Fox has been editor of *Biological Reviews* for the past 25 years.

Christine Gilbert, senior demonstrator in anatomy at the University of Witwatersrand, and Carnegie fellow in embryology, is the guest of the Department of Anatomy in the Tissue Culture Laboratory of the University of Texas Medical Branch during July. Dr. Gilbert is studying the influence of mutagenic factors in nervous system development. After leaving Galveston, she will return to Baltimore, where she has been working with George W. Corner, to complete her studies before returning to South Africa.

The social effects of modern technological developments in agriculture and industry will be the focus of a year's study in the Andean valley of Callejón de Huaylas, Peru, by **Allan R. Holmberg** and several graduate students from the Department of Sociology and Anthropology at Cornell. Professor Holmberg, who has carried out studies in this region since 1948,

plans to begin an experiment in health, nutrition, agriculture, and education on the Indian hacienda of Vicos, a subsistence agricultural community. The Cornell anthropologists will work with the Peruvian ministries of health, agriculture, and education, and with social scientists of the Institute of Ethnology of the University of San Marcos.

Frank M. Huennkens, of the Institute for Enzyme Research, University of Wisconsin, and **Walter B. Dandliker**, of the University Laboratory for Physical Chemistry Related to Medicine and Public Health of Harvard, have been appointed assistant professors in the Department of Biochemistry, University of Washington.

Ruth Johnson, first nurse assigned to Iran under the Point IV Program, will join the health mission in Teheran as chief nurse adviser. Miss Johnson will assist in the development of public health nursing, particularly in the rural areas. She will work with **Emil E. Palmquist** and **Frederick F. Aldridge**, who are in the field as deputy technical assistant director and chief sanitary engineer of the Point IV Mission. Miss Johnson served in Japan for two years with the 8th Army Civil Affairs Program, and in Egypt, Greece, and China from 1944 to 1947, assigned to Unrra.

Edward I. Kotok, assistant chief in charge of research, has retired after 40 years with the Forest Service. He has accepted a position with FAO as head of a Chilean mission on forestry, agriculture, and fisheries, with headquarters in Santiago, Chile.

Edwin M. McMillan, professor of physics at the University of California, has received the Research Corporation Scientific Award for 1950. Dr. McMillan is a co-discoverer of neptunium and plutonium. In 1945 he developed independently the "theory of phase stability," which has made possible the construction of the synchrotron, the synchrocyclotron, and the bevatron.

Walter J. Meek, emeritus professor of physiology and associate dean of the University of Wisconsin School of Medicine, has accepted a position as lecturer in physiology at the University of Texas Medical Branch, Galveston. Professor Meek plans to spend a week or two in each spring semester at Galveston for a series of conferences and demonstrations in physiology.

To help them in their study of tropical invertebrate animals in Panama this summer, **Lorus J.** and **Margery J. Milne**, of the University of New Hampshire, have received a grant from the American Philosophical Society. They will spend three months studying the light-sensitive structures of the animals they will find in the vicinity of the Barro Colorado Island biological laboratory at Gatun Lake. They have also received a grant from the American Academy of Arts and Sciences to help finance their trip.

S. M. Naude, formerly of Stellenbosch University,

and **H. L. de Waal**, of the University of Pretoria, have won the Havenga prizes for physics, mathematics, and chemistry. Professor Naude was awarded the prize in physics and mathematics "for his important pioneering in spectroscopic analysis and for his furthering of this science in general while at Stellenbosch and as director of the National Physics Laboratory of the Scientific and Industrial Council." Professor de Waal won the prize in chemistry "because he showed it possible for a professor at a South African University to instigate planned and fruitful progress in the field of chemistry and to bring about a wider field of systematic research in the poisons in South African flora."

George P. Pearce, an electrical and mechanical engineer with the Office of Engineering and Construction of the Santa Fe Operations Office, AEC, has retired at the age of 70. He has been employed by the government for 17 years. Mr. Pearce will move to Albuquerque, where he will work for Holmes & Narver, an engineering firm doing work at Sandia Base.

William H. Peterson, of the University of Wisconsin, will be a Fulbright lecturer at the University of Melbourne in Australia this summer. Professor Peterson will carry some of the university's special cultures of penicillin and citric acid to aid research in Melbourne. A member of the University of Wisconsin faculty since 1909, Professor Peterson was scheduled to retire last month, but he expects to return to his research laboratories on the campus after his Fulbright lectureship.

Gösta Säflund will lead the archaeological expedition that was being planned by Axel W. Persson at the time of his death. After his appointment to a chair of classic archaeology at Upsala University in 1924, Professor Persson conducted several Swedish expeditions to Greece and Asia Minor. He was the discoverer of the rich finds in the royal tomb at Dendra, and of the Temple of Zeus at Labranda, Turkey, dating back to 350 B. C.

John A. Trautman has been appointed director of the 500-bed clinical center for medical research nearing completion in Bethesda, Md. At present he is in charge of the marine hospital at Staten Island, N. Y. Dr. Trautman assumed his new post on July 1. Completion of the center is scheduled for late in 1952. Two other appointments are expected: **Charles Davidson** as chief of clinical research and **Ralph Knutti** as chief of extramural activities, both in the National Institute of Arthritis and Metabolic Diseases. At present, Dr. Davidson is associate director of Thorndyke Memorial Laboratory at Boston City Hospital, and Dr. Knutti is on the medical faculty of the University of Southern California.

Alfred Weissler has joined the Research Branch of the office of the Chief of Ordnance, the Pentagon, to work in a new program of sponsored basic research in ordnance. He was previously in charge of chemical ultrasonics research at the Naval Research Laboratory.

Education

Canada's annual **Eastern Arctic Patrol** will include an eye survey of a large number of Eskimos in co-operation with the Canadian National Institute for the Blind. J. A. and Mrs. Houston, who are collecting Eskimo sculptures and other items of native handicraft, will join the patrol ship, *C. D. Howe*, at Cape Dorset. A Dominion Observatory survey party will determine the strength and direction of the earth's magnetic field at each port of call, collecting data to revise magnetic maps and to provide more precise charts of northern waters. J. Cantley and Alex Stevenson, of the Arctic Services of the Department of Resources and Development, will be in charge of the 10,000-mile, four-month expedition.

Caltech's \$1,250,000 synchrotron is nearing the end of a preliminary construction stage known as "phase zero," during which tests will be made to solve mechanical and electrical problems before final assembly. In "phase one," which is expected to be reached by next winter, the machine will be operated at half-capacity, which will bring the equipment to "phase two," in which the peak energy will be a billion volts.

Coker College is constructing a three-story science building to be named the William Chambers Coker Science Building in honor of the emeritus Kenan professor of botany at the University of North Carolina. Upon its completion this fall, it will provide space for the Departments of Biology, Chemistry, Physics, and Mathematics.

Social scientists and housing experts at **Cornell** are engaged in a two-year project sponsored by the Russell Sage Foundation to develop guides for building houses to suit the habits of different kinds of families. Supervising the project are Thomas W. Mackesey and Glenn H. Beyer, who will work with James E. Montgomery and Frank Weise.

The **International Research Centre for Chemical Microbiology** was opened in Rome last month with a symposium on "Bacterial Growth and its Inhibition," at which S. A. Waksman, M. Demerec, M. J. Johnson, P. Regna, and E. Weber represented the U. S. E. B. Chain, of the Istituto Superiore de Sanità, will be director of the new center, which will provide facilities for basic research on antibiotics.

Marine Biological Laboratory, Woods Hole, Mass., opened its Friday evening lecture series June 29 with an address by Douglas A. Marsland. The program ends on August 31. Other speakers: Severo Ochoa, Ralph W. Gerard, Balduin Lucké, Hans Borei, Denis L. Fox, Nelson T. Spratt, Jr., T. H. Waterman, R. W. G. Wyckoff, and Horace W. Stunkard.

The **Maryland Department of Research and Education** will carry on a study of the hydrography and biology of the Chincoteague Bay area, designed primarily to gather data on factors governing oyster production.

The **Chesapeake Biological Laboratory** and the **Chesapeake Bay Institute** plan to make an intensive study of the St. Mary's River during the oyster spawning and setting season this summer. Biologists of the Virginia Fisheries Laboratories and of the U. S. Fish and Wildlife Service will cooperate. A study is also being made on ship worms, which cause great destruction of wharves and hulls of wooden ships. R. V. Truitt is conducting this investigation at a series of 12 stations in Chesapeake Bay.

The **National Geographic Society-Royal Ontario Museum** expedition, under the leadership of Victor Ben Meen, has left for Chubb Crater, discovered in northern Quebec last July. Mine detectors and magnetometers will be used in an effort to discover the origin of the two-mile wide crater between Hudson and Ungava bays. The lake in the center will be plumbed to determine its depth, and test borings made of the bottom. A thorough topographic survey of the area will also be made.

At its annual meeting in June the Council of the **Oak Ridge Institute of Nuclear Studies** elected three new sponsors: Florida State University and the Universities of Maryland and Puerto Rico, bringing the total number of sponsoring institutions to 29. William V. Houston, of Rice Institute, was elected to a three-year term on the Board of Directors, succeeding Harold W. Stoke. Paul M. Gross was re-elected president of the Institute, and Jesse W. Beams, vice president. Pete Kyle McCarter was elected vice chairman of the council, succeeding George H. Boyd.

The full-time clinical teaching staff of the **University of Texas Medical Branch** has been increased by the following appointments: M. Allen Forbes (dermatology and syphilology); Milton Hejtmancik and Harry Levine (internal medicine); Irving W. Cohen (neurology and psychiatry); Robert L. Hargrave (oncology); John M. Childers (surgical pathology); Roger Leinke (pediatrics); and Caroline Rowe (radiology). A Tissue Metabolism Laboratory, recently established under the direction of Wiktor W. Nowinski, will be devoted to clinical research in the treatment of burns.

Visiting professors at **Stanford University** this summer are George E. Uhlenbeck, co-discoverer of the spin of the electron, who is lecturing on statistical mechanics, and Abraham Pais, Dutch-born theoretical physicist, who has been teaching in the U. S. for the past four years, mainly at the Institute for Advanced Study, Princeton.

Grants and Fellowships

Because of the congestion of applications the **American Board of Nutrition** has announced an extension of time from July 1, 1951, to February 29, 1952, during which period candidates may be certified on the basis of their training and experience, without examination. After February 29 all applicants will be required to submit to examination.

The **Ford Foundation** grant of \$300,000 made to Harvard last year will be divided between a Medical School five-year study of the physiological and psychological effects of adrenal hormones, and a project for research and training in human relations to be carried out by the Graduate School of Business Administration.

Hahnemann Medical College and Hospital has received a grant from the **Office of Naval Research** for the investigation and perfection of techniques for transplantation of organs, and from **Smith, Kline & French Laboratories** for research on chemotherapeutic agents.

The third **William H. Park Fellowship** has been awarded to James Wiley Lynn, Jr., GI postgraduate fellow in pediatrics at the University of Rochester School of Medicine, for a year of work in virus diseases. Inquiries regarding this new fellowship may be addressed to Timothy J. Healy, 521 Fifth Ave., New York 17.

Sharp & Dohme, Inc., has placed \$50,000 in a special fund for grants to "outstanding university scientists for the advancement of fundamental research in the fields of biology, microbiology, and chemistry." Two grants of \$10,000 each have been made from the new fund to W. W. Swingle, of Princeton, and Stanley J. Sarnoff, of Harvard.

The **Upjohn Company** will support studies at the University of Illinois College of Medicine on intravenous gelatin, under C. W. Vermeulen. Max S. Sadove will study the screening and investigation of new anesthetic drugs under a grant from **Winthrop-Stearns, Inc.**

Meetings and Elections

Alloy Casting Institute has elected Warden F. Wilson president and H. T. Harrison vice president. E. A. Schoefer was re-elected secretary-treasurer, and G. A. Baker and J. S. Wooters were elected to three-year terms as members of the Board of Directors.

At its meeting in Washington, D. C., the **American Astronomical Society** elected the following officers: C. D. Shane, vice president; C. M. Huffer, secretary; J. J. Nassau, treasurer; M. Schwarzschild, M. L. Humason, and S. Chandrasekhar, councilors. A. H. Joy will serve another year as president.

The **American Society for Experimental Pathology** has elected the following officers, who took office on July 1: F. S. Robschey-Robbins, president; S. C. Madden, vice president; R. L. Holman, secretary-treasurer; D. M. Angevine and C. C. Erickson, councilors. The 1952 annual meeting will be held in New York City April 14-18.

John Chipman, of MIT, will serve as president of the **American Society for Metals** for 1951-52. Ralph L. Wilson will be vice president, and Ralph L. Dowdell

treasurer. George A. Roberts and J. B. Johnson were elected to the nine-member Board of Trustees.

For information regarding the sixth **Calorimetry Conference**, to be held in the Pupin Physics Laboratory of Columbia University, September 5, write to D. R. Stull, chairman, Dow Chemical Co., Midland, Mich. The tentative program lists 12 addresses by experts from government, university, and industrial laboratories.

A **Conference on Interfacial Phenomena and Nucleation** will be held August 21-25 at Boston University under the sponsorship of the university and the Geophysical Research Directorate of the Air Force Cambridge Research Laboratories. Canadian, English, German, Swedish, and U. S. scientists will discuss physical adsorption, thermodynamic and statistical theories of surface tension, and the kinetics of phase transitions.

Six European physicists will conduct a symposium at Oak Ridge, Tenn., September 13-14 on the general subject "**Nuclear Physics in Europe**." Symposium leaders will be: E. Amaldi, University of Rome; J. Rotblatt, University of London; R. I. Peierls, University of Birmingham; S. D. Devons, Imperial College of Science and Technology, London; P. Huber, University of Basel; and J. Mattauch, University of Bern. The symposium is being given under the joint sponsorship of the Oak Ridge National Laboratory and the Oak Ridge Institute of Nuclear Studies. All interested physicists and others are invited to attend. Additional information may be obtained from the University Relations Division, P. O. Box 117, Oak Ridge, Tenn.

An international symposium on the **Physiological Role of Vitamins and Trace Elements**, in honor of Elmer V. McCollum, discoverer of vitamins A and D, will be held at The Johns Hopkins University, September 10-11, under the sponsorship of the School of Hygiene and Public Health and the Robert Gould Research Foundation of Cincinnati. Dr. McCollum is professor emeritus of biochemistry and is still active in the field of nutritional research.

The **Society for the Study of Development and Growth** will hold a symposium at Smith College August 30-September 3, in which Kenneth V. Thimann, W. E. Heston, N. H. Horowitz, M. Chevreton, R. O. Erickson, and J. F. Holtfreter will participate. George S. Avery, Jr., L. C. Dunn, E. J. Boell, Philip R. White, and Viktor Hamburger will be presiding officers, and A. F. Blakeslee will give the welcoming address.

Morton A. Seidenfeld, director of psychological services of the National Foundation for Infantile Paralysis, will be one of the speakers at the second **International Poliomyelitis Conference** in Copenhagen, September 3-7. His subject will be "Psychological Aspects of Poliomyelitis." Dr. Seidenfeld is honorary president of the Society for Military Clinical Psychologists.