News and Notes

Earth Science Institute

Herbert B. Nichols
U. S. Geological Survey, Washington, D. C.

THE SECOND ANNUAL CONFERENCE on "Earth Science in Secondary Education" was held in the auditorium of the School of Geography at Harvard University March 16–17, with about 100 representatives of colleges and secondary schools from eight states in attendance.

Sponsored by the American Geological Institute, of Washington, D. C., and the Earth Science Institute, of Boston, the conference discussed some of the difficulties experienced in teaching earth science in preparatory and high schools, particularly in areas where state and municipal boards hardly know with what the subject is concerned. Among the topics suggested for inclusion in an ideal secondary school course were the following: astronomy and the place of the earth in the solar system; moon and tides; the oceans; the lithosphere; the atmosphere; weather and climate; the carbon cycle; coal and oil; the hydrologic cycle; earth movements; fossils and earth history.

Opening the two-day sessions, Kirtley Mather, president of the AAAS and professor of geology at Harvard University, deplored the widespread lack of knowledge and appreciation of the earth's natural resources. Stressing the fact that every nation, including the U. S. and the Soviet Union, is short of several natural resources that modern civilization needs, he concluded that such shortages constitute one of the best reasons why all nations should join together in a cooperative "commonwealth of all mankind;" that there seems to be an explicit directive in the very structure of the earth that man should organize on a world basis.

Pointing out that earth science, which deals with the physical environment in which we live, is the most comprehensive and valuable science for the general education of a high-school graduate, David M. Delo, executive director of the American Geological Institute, enumerated some of the contributions of earth science to other disciplines. He indicated that knowledge of the basic materials and environmental conditions that support our national prosperity and industrial economy—particularly the role of soil, water, and minerals—should be a part of every citizen's education. "The physical environment and the geological processes which have created it," he stated, "form the stage upon which man's activities have been centered. We cannot understand the history and development of our country unless the role of these factors is made background material in the social sciences and related fields."

Ben Hur Wilson, of Joliet, Ill., described the earth science program in Joliet Township High School, now in its fiftieth year. Waldo Holcombe, of the Brooks School, North Andover, Mass., explained the development of the successful program in earth science that has been evolved during the past several years.

Stating that the U. S. Geological Survey can be of material assistance to educational institutions, Herbert B. Nichols, Survey information officer, analyzed its work and publications for the assembled educators. "The Geological Survey has a wealth of information to share with everyone," he said, "ranging from practical help for the farmer seeking water or for the tourist trying to comprehend American scenery to technical assistance for scientists, engineers, and industrialists."

Chester R. Longwell, of Yale University, author of widely used geological texts, discussed the offering of earth science in the secondary schools of Connecticut. He pointed out that courses in this subject had declined greatly during the past few decades and called for a resurgence of earth science teaching so that high-school graduates would gain a better understanding of the resources and history of their states. He offered special praise for the excellence of work performed in this field at Choate Preparatory School.

C. W. Wolfe, of Boston University, general chairman of the conference, stressed the need for additional meetings of this type and expressed satisfaction with the increasing interest that is being shown in earth science education. "This is particularly true in New York State," he stated, "where progressive state educational officials are encouraging more extensive offerings in this field."

A series of conferences similar to those in New England is being planned for other regions in 1952, notably New York and Pennsylvania.

Scientists in the News

Dale C. Cameron has been appointed chief of the Cooperative Health Services Branch of the PHS Division of Industrial Hygiene. He was formerly assistant director of the National Institute of Mental Health. **Seymour S. Kety,** of the University of Pennsylvania, will be scientific director for the joint research program of the Mental Health Institute and the new Neurological Diseases and Blindness Institute. Dr. Kety received the Theobald Smith Award for Research in Medical Sciences, given by the AAAS in 1949 for the first time in five years. Other new medical appointments are **Thomas B. Spencer** as executive director of the RDB Medical Sciences Committee, **Alfred H. Lawton** as research director of the Air Force Medical Department, and **Roy M. Seideman,** assigned to the AF Preventive Medicine Division; **Francis G. Blake** will serve on a part-time basis for the remainder of this year as civilian director of Army medical research, and **Harold E. Mann,** psychiatrist, has joined the Children's Bureau.

Lowell T. Coggeshall, dean of the Division of Biological Sciences, University of Chicago, has been appointed chairman of the Department of Defense Committee on Medical Science. Other members of the committee are: **Wallace O. Fenn,** University of Rochester; **Franklin C. McLean,** Chicago; **Douglas D. Bond,** Western Reserve; **I. S. Ravdin,** University of Pennsylvania; and the three surgeons general.

James B. Collip, dean and professor of medical research at the University of Western Ontario, received the Squibb $1,000 prize for glandular studies at the annual meeting of the Association for the Study of Internal Secretions. Dr. Collip is well known for his work on insulin and other hormones.

W. E. Cornatzer, of the Bowman Gray School of Medicine, has been appointed professor of biochemistry and head of the Department at the Medical School of the University of North Dakota.

Charles E. Dutchess, medical director, and **Sidney N. Sadoff,** engineering, have been elected vice presidents of Schenley Laboratories, Inc. Dr. Dutchess was also elected a director of Schenley Laboratories. He has been medical director since joining the company in 1944 and prior to that had been with Parke, Davis & Co. He is in charge of clinical investigation and professional relations and services. Mr. Sadoff joined Schenley Laboratories in 1946 as a special project engineer and was promoted to chief engineer in 1950.

New York Medical College and Flower–Fifth Avenue Hospitals have named **Clair E. Folsome** head of the Department of Obstetrics and Gynecology. Dr. Folsome helped set up maternal and child health clinics in Puerto Rico, Haiti, Singapore, Tokyo, Bombay, and Formosa. He was formerly vice president and executive director of research for the Ortho Research Foundation, executive director of the National Committee on Maternal Health, and consultant on obstetrics and gynecology for the Children's Bureau, Department of Labor.

Carnegie Corporation of New York has made grants-in-aid to a number of scholars from abroad for travel and study in the U. S. Among them are **F. William Fox,** biochemist, South African Institute for Medical Research; **H. Brian Low,** agricultural economist, Massey Agricultural College, New Zealand; **Arthur M. Hambly,** chemist, University of Melbourne; **P. W. Burbidge,** physicist, Auckland University College; and **A. K. Macbeth,** chemist, University of Adelaide.

The University of Wisconsin has conferred emeritus rank on the following professors: **James G. Fuller,** animal husbandry; **Andrew W. Hopkins,** agricultural journalism; **Gustus L. Larson,** mechanical engineering; **Wakelin McNeel,** county extension service; **James G. Milward,** horticulture; and **William H. Peterson,** biochemistry.

A. W. Gauger, director of the Mineral Industries Experiment Station, Pennsylvania State College, has been in Lima as a representative of the American Chemical Society at the Fifth South American Congress on Chemistry. Dr. Gauger also attended the celebration of the fourth centennial anniversary of the founding of the National University of San Marcos on May 12.

A. J. Goldforb, professor of biology, will retire this summer after 41 years on the faculty of The College of the City of New York. Since 1923 Professor Goldforb has been general secretary of the Society for Experimental Biology and Medicine, which has its offices at City College. Although he is retiring from active teaching at the mandatory age of 70, Dr. Goldforb will continue his work with the society.

LeVan Griffis, chairman of applied mechanics, has been named manager of a new engineering mechanics division at Armour Research Foundation. He will head three new departments: Structural Research, Mechanism and Propulsion Research, and Heat-Power Research. **E. H. Schulz** was appointed manager of a new physics and electrical engineering division. He has been chairman of electrical engineering and acting chairman of the Physics Department.

B. Groesbeck, Jr., MC, USN, and **Neely C. Mashburn,** MC, USAF (ret.), were the 1951 recipients of the Theodore Charles Lyster and Raymond Force Longacre Awards, respectively, of the Aero Medical Association. The Lyster Award for achievement in the general field of aviation medicine was given Admiral Groesbeck for his outstanding accomplishments in promoting and developing this specialty in the Navy, of which he is assistant chief, Bureau of Medicine and Surgery for Aviation and Operational Medicine. In addition, he was reelected vice president of the association. The Longacre Award was given Colonel Mashburn principally for his work in developing an apparatus for predicting flying aptitude in cadet applicants.

Frank T. Gucker, Jr., has been appointed dean of arts and sciences at Indiana University. Dr. Gucker has been chairman of Indiana's Department of Chemistry since 1947.

The Department of Geology, University of Kansas, has announced the appointment of **William W. Hambleton** and **John Imbrie** as assistant professors in geology.

Max Hansen has been named assistant chairman of the metals department of Armour Research Foundation. Dr. Hansen will continue his work in physical metallurgy. He joined the Foundation in 1949, and has been supervisor of projects dealing with nonferrous metals.

Omer W. Herrmann has been appointed by the Department of State to head the agricultural work at the American Embassy in Paris. He has been assistant administrator of the Agricultural Research Administration since 1947.

Einar Hille, professor of mathematics, Yale, has been elected a foreign member of the Swedish Academy of Science, Stockholm.

R. Palmer Howard, formerly demonstrator in medicine at McGill University, and in charge of the Endocrine Clinic and Laboratory of the Montreal General Hospital, has been appointed a member of the staff of the Oklahoma Medical Research Institute and Hospital. The Institute and Hospital are a private organization. Dr. Howard, who also will have an appointment as associate professor of research medicine in the University, is an endocrinologist known for his work on metabolic bone disease and gonadal hypofunction.

Sally Lucas Jean has retired from the National Foundation for Infantile Paralysis. Miss Jean has devoted half a century to health, creating the term "health education" in 1918 to replace what once was known in most school curricula as "hygiene." She has been health consultant and director of educational services for the foundation for the past eight years.

Donald R. Johnson, entomologist, of the Minnesota Department of Agriculture, Dairy and Food, with headquarters on the St. Paul campus of the University of Minnesota, will leave in July for Java, where he will advise Indonesians in three malaria research institutes and in local health organizations. The assignment is part of a joint USPHS–ECA project.

James M. Knox and **Carl W. Hedberg** have been made vice presidents of Research Corporation. Mr. Knox, the financial officer, will make his headquarters at the New York office. He has been business manager of Brookhaven National Laboratory since 1947, and assistant director during the past year. Mr. Hedberg will continue to be in charge of operations at the Bound Brook, N. J., plant. Mr. Hedberg has been with Research Corporation since 1916, when he joined the organization as a development engineer. He has been in charge of technical developments since 1927 and last year was made general manager of the Engineering and Construction Division.

A 1951 Horatio Alger Award has been presented by the American Schools and Colleges Association to **Finn Haakon Magnus,** of Newark, N. J., who arrived in this country 25 years ago with $25 in his pocket and worked his way up to the leadership of a multimillion-dollar industry, which he founded. The awards, made on the basis of ballots cast by more than 3,000 campus leaders in colleges and universities throughout the nation, are given annually to outstanding figures in commerce and industry who have achieved success after starting from the bottom. Former winners include Bernard M. Baruch, Charles Luckman, Charles E. Wilson, and Vincent Riggio. Other 1951 award winners included **David Sarnoff, Harold Stassen,** and **James L. Kraft.**

Linus Pauling, of Caltech, spent part of May and June in Hawaii, lecturing under the auspices of the local section of the American Chemical Society, the Hawaii chapter of the Society of the Sigma Xi, and the Chemistry Department of the University of Hawaii.

Robert B. Pettengill has been appointed director of discussion research of the Fund for Adult Education. Dr. Pettengill has been director of the Teaching Institute of Economics at the University of Southern California and for the past five years has been directing a program of adult education financed by the Alfred P. Sloan Foundation, Inc.

Samuel Cate Prescott, former dean of science at MIT, has been chosen as 1951 recipient of the Stephen M. Babcock award of the Institute of Food Technologists. This award, which includes a cash prize of $1,000 contributed by the Nutrition Foundation, Inc., is made annually for contributions in the field of food technology resulting in improved public health.

The Memorial Center for Cancer and Allied Diseases has named **Henry Thomas Randall** clinical director and chief of surgical services. Dr. Randall now is assistant professor of Surgery at the College of Physicians and Surgeons, Columbia University; assistant attending surgeon, the Presbyterian Hospital; and assistant visiting surgeon, Francis Delafield Hospital.

Charles E. Renn, associate professor of sanitary engineering at The Johns Hopkins University, has been appointed to a full professorship. Dr. Renn came to Johns Hopkins in 1946 to head new sanitary engineering laboratories designed for investigation of water supplies, sewage disposal, stream pollution abatement, and industrial waste treatment. In April Governor McKeldin appointed him chairman of a special advisory committee on conservation to work with the Maryland Tidewater Fisheries Commission.

Jurgen Ruesch, associate professor of psychiatry in the University of California School of Medicine, and his associates in the Department of Psychiatry and the Langley Porter Clinic, have been presented with the Hofheimer Award of the American Psychiatric Association. The research that won the award was published in book form in 1948 as *Duodenal Ulcer, A Sociopsychological Study of Naval Enlisted Personnel and Civilians,* by Jurgen Ruesch, Robert H. Harris, Carole Christiansen, Martin B. Loeb, Sally Dewees, and Annemarie Jacobson.

Thomas E. Snyder, who has been an entomologist with the Division of Forest Insect Investigations of the U. S. Department of Agriculture for more than 40 years, is retiring on June 30. A world authority on termites, Dr. Snyder will enter consulting work in September in Washington, D. C.

Edwin G. Williams, chief, Radiological Health Branch, USPHS, has been assigned as consultant in atomic medicine, Health and Special Weapons Defense Division, Federal Civil Defense Administration.

Colleges and Universities

Beloit College will operate a natural sciences field school August 30–September 15, with instruction in both geology and biology. The school will be conducted as a mobile camp, principally in the Grand Junction, Colo., area. Philip N. Joranson, of the Department of Biology, will supply further information.

Under the sponsorship of the **University of Cuyo** (Mendoza, Argentina), **Harvard Medical School,** and **Massachusetts General Hospital,** a medical group will conduct investigations of iodine deficiency in the Province of Mendoza during June, July, and August. Personnel will include Drs. Perinetti and Itoiz, of Mendoza; Drs. del Castillo and Truco, of Buenos Aires; Douglas Riggs and John B. Stanbury, of Harvard; and Gordon Brownell and Eleanor Brown, of the Massachusetts hospital. A complete laboratory will be established in Mendoza for work with radioactive iodine. The Boston members of the project will lecture in various South American medical centers.

The **Department of the Army** will begin a week's course in the Medical Aspects of Nuclear Energy July 9 at the Army Medical Center, Washington, D. C. Roy Maxwell, chief of the Biophysics Department, Army Medical Service Graduate School, will be head of the faculty of 17 experts.

The **Duke University Marine Laboratory** staff at Beaufort will be reinforced this summer by the presence of Raymond J. H. Beverton, senior scientific officer of the Fisheries Laboratory, Lowestoft, Eng., and W. Malcolm Reid, chairman of the Monmouth College Biology Department. Eleven members of the U. S. Fish and Wildlife Service will be on hand to study the population growth and fluctuation of commercially important fish, under the direction of Dr. Beverton.

At the request of the **Japanese Ministry of Education** and U. S. education authorities, a group of American educators headed by Wesley P. Lloyd will work in Japan this summer and fall to help reorganize Japanese university life and promote democratic relationships between faculty members and students. Three courses of three months each are expected to be given to about 240 Japanese professors at Tokyo, Kyoto, and Fukuoka. Members of the group, who will join Dr. Lloyd in Tokyo next month, are Morris Woolf, Chester Ruedisili, Leonia Feldsted, Henry Barrow, and Gordon Klopf.

The **University of Michigan** will hold its second summer Biological Symposium July 9–20 at Ann Arbor. Victor Hamburger, F. W. Went, W. U. Gardner, and C. M. Pomerat will participate in discussions of "Growth and Differentiation."

New York University will hold a series of three two-week workshops this summer to study and devise defenses for the current attacks on public education. The workshop will be under the direction of Walter A. Anderson and Herbert B. Bruner, who will be assisted by national officials of the National Education Association.

The **University of Pittsburgh** Graduate School of Public Health has created a department of biological chemistry and nutrition, with Robert E. Olson as professor and head. In addition to a teaching program, the department will engage in basic research in cellular physiology and will eventually open a nutrition clinic in cooperation with the School of Medicine.

The Virginia Hearing Foundation, being organized at the **University of Virginia** under the direction of Fletcher D. Woodward and James M. Mullenders, will offer a training center for specialists in diseases of the ear and provide a complete diagnostic clinic. Plans also include the establishment of a full-time traveling clinic.

Grants and Awards

Alpha Chi Omega, national women's fraternity, and the National Society for Crippled Children and Adults have awarded scholarships for graduate training in cerebral palsy to Ruth E. Cook, Frederick Darley, Murray M. Halfond, Marilyn J. Hill, Betty Jane McWilliams, and Alice S. Noel.

The University of Illinois College of Medicine has received the following grants: from **Asthmatic Children's Aid,** $10,000 for histochemical and immunological studies under B. Z. Rappaport; from **Swift & Co.,** $8,250 for a study of the relationship of bile to cholesterol, under the direction of A. C. Ivy; and from **G. D. Searle & Co.,** $5,540, for work on the effect of banthine on the motility of the small and large intestines, under the supervision of Michael H. Streicher.

The **U. S. Atomic Energy Commission** has awarded a total of 409 unclassified research contracts, 244 in biology and medicine, and 165 in physical sciences. In May new contracts in chemistry went to F. O. Rice, Catholic University, and James N. Pitts, Jr., Northwestern; in metallurgy, to C. Bonilla, Columbia, and C. A. Crowley, of Graham, Cowley & Associates; and in physics, to Lyman Spitzer, of Princeton. New contracts in biology and medicine went to Curt P. Richter, Johns Hopkins; James E. Gunckel, Rutgers; I. C. Gunsalus, Illinois; E. F. Frolik and R. Morris, Nebraska; Thomas G. Ward, Johns Hopkins; Jonas S. Friedenwald, Johns Hopkins; Robert B. Withrow, Smithsonian Institution; D. G. Cogan and D. D. Donaldson, Harvard; P. B. Hudson and J. M. Reiner, Columbia; and W. H. Taliaferro, Chicago. Thirty-eight contracts were renewed in the same period.

The **National Foundation for Infantile Paralysis** will support two projects in research on poliomyelitis at Mount Sinai Hospital, under the direction of Gregory Shwartzman and Horace L. Hodes. The grants total $91,852 and will extend over an 18-month period.

The **Charles Lathrop Pack Forestry Foundation** will

finance by a grant of $30,000 to the Department of Conservation, School of Natural Resources of the University of Michigan, a two-year investigation of land use in the cutover pineries of middle Michigan. The project will be under the direction of Stanley A. Cain, who will be assisted by four predoctoral students.

Parke, Davis & Co. has given Wayne University a grant of $30,000 to furnish and equip a teaching laboratory to be known as the Parke-Davis Laboratory in Pharmacy.

Phi Lambda Theta, the national association for women in education, has announced two awards to be granted on August 15 for significant research on the professional problems of women. Address inquiries to Miss Alice H. Hayden, University of Washington, Seattle 5.

Supplementing a grant of $150,000 from the Commonwealth Fund (*Science,* **113,** 640 [1951]), the **Rockefeller Foundation** has given $155,000 to the Health Insurance Plan of Greater New York for a four-year study of its experience, under Neva R. Deardorff, director of research and statistics of the Plan.

The **Wenner-Gren Foundation** has announced grants-in-aid and fellowships totaling $146,700 for the support of 10 projects in physical anthropology, 6 in archaeology, 28 in ethnography and social anthropology, 1 in linguistics, 4 in general and theoretical studies, and 15 in education and publication studies. Eleven predoctoral fellowships, with stipends of $1,500 each, have been awarded to advanced students of anthropology at the Universities of Arizona, California (Berkeley), Indiana, Michigan, and Minnesota, as well as at Columbia, Cornell, Harvard, Northwestern, and Stanford. Aid will also be given to the American Anthropological Association, the American Institute of Human Paleontology, Peabody Museum, the New York Academy of Sciences, the Society for American Archaeology, and the Wenner-Gren Institute for Biochemical Research (Stockholm). In addition, allocations totaling $37,000 were made for special Foundation projects.

Six Swedish research groups engaged in the study of cancer and its causes, as well as means of prevention and eradication, have received grants from the **Women's Guilds of the Cooperative Societies,** which in less than a year, by means of individual donations, collected the sum of 1,000,000 kr. for the purpose.

In the Laboratories

The **Atomic Energy Commission** is completing negotiations with the following groups of business and industrial firms for participation in reactor development projects: Monsanto Chemical Company, and its associate, The Union Electric Company of Missouri; Detroit Edison Company and the Dow Chemical Company; Commonwealth Edison Company and the Public Service Company of Northern Illinois; Pacific Gas and Electric Company and the Bechtel Corporation of San Francisco. No additional groups can be admitted at this time.

The **Bakelite Company,** a division of Union Carbide and Carbon Corporation, has appointed Victor H. Turkington director of research. Dr. Turkington was formerly superintendent of research and development at the company's laboratories in Bloomfield, N. J.

A new NBS laboratory center, to be known as the **Corona Laboratories,** will be established at Corona, Calif., for research in various phases of electronics research, development, and engineering. About 22 buildings on the site, turned over to NBS by the Navy, are being renovated. R. D. Huntoon, formerly chief of the Atomic and Radiation Physics Division, has been named associate director of the laboratories, which are expected to be in full-scale operation by September.

Fertilizers and Chemicals, Ltd., of Haifa, Israel, is planning a $15,000,000 expansion program scheduled to go into operation in 1953. Plants for sulfuric acid and superphosphate manufacture will be enlarged, and new ammonia and compound fertilizer plants will be added.

The following manufacturing affiliates of **General Electric Company** became G-E departments on June 20: Carboloy Co., Inc., Detroit; General Electric X-Ray Corp., Milwaukee; Locke Inc., Baltimore; Telechron Inc., Ashland, Mass.; Monowatt Inc., Providence, R. I.; and Trumbull Electric Manufacturing Co., Plainville, Conn.

Michael Reese Hospital, Chicago, dedicated its new **Institute of Psychosomatic and Psychiatric Research and Training** early in June. The training program, under John Spiegel, will include teaching of resident physicians who wish to become psychiatrists, medical students, social workers, nurses, occupational therapists, psychologists, and internees, residents, and staff doctors in other specialties. Twenty per cent of the space has been set aside for research.

Japanese Geon Company, Ltd., Kambara, Japan, has been formed by B. F. Goodrich and several Japanese industrial firms to manufacture Geon polyvinyl chloride. Construction and early operations will be under the supervision of Goodrich engineers; later the plant will be fully staffed by Japanese.

Mathieson Alabama Chemical Corporation, a new subsidiary of Mathieson Chemical Corporation, will build a chlorine and caustic soda plant near Mobile, to be in operation early in 1952.

Schenley Industries, Inc., has appointed three new vice presidents: Bruno Puetzer (research), James H. Noyes (production), and Samuel Miller (development). Drs. Puetzer and Noyes will be located at the Lawrenceburg, Ind., plant, and Mr. Miller in New York.

Meetings and Elections

New officers of the **American Association of Cereal Chemists,** elected at the Minneapolis meeting, are: H. K. Parker, president; J. A. Anderson, president-elect; F. R. Schwain, secretary; D. B. Pratt, Jr., treasurer; and W. F. Geddes, editor. The 1952 meeting will be held in Dallas, and the 1953 convention in Buffalo.

The **American Heart Association** has elected Louis N. Katz president for 1951–52. Irving S. Wright was chosen president-elect, and A. W. Robertson, of Westinghouse Electric Corporation, was elected to his fourth term as chairman of the Board of Directors. William H. Bunn was elected secretary, and Harry E. Ungerleider was reelected assistant secretary.

At its annual meeting in Virginia Beach, the **American League against Epilepsy** elected the following officers: president, Francis M. Forster; vice presidents, Benjamin Simon and John Kershman; secretary-treasurer, Jerome K. Merlis. The 1952 meeting will be held in Louisville, Ky., during the week of April 21.

The **American Psychoanalytic Association** has elected Robert P. Knight president for 1951–53; Ives Hendrick, president-elect; LeRoy M. A. Maeder, secretary; and William G. Barrett, treasurer. Philip R. Lehrman continues as the official representative on the AAAS Council. Forthcoming meetings of the association will be held December 6–9 at the Waldorf-Astoria, New York, and May 8–11 at the Chalfonte-Haddon Hall, Atlantic City.

Roy R. Grinker has been elected president of the **American Psychosomatic Society;** Sidney G. Margolin, president-elect, and Frederick C. Redlick, secretary-treasurer. The annual meeting for 1952 will be held at The Drake, Chicago, March 29–30. Titles and abstracts of papers for consideration for the program should be sent in duplicate before *December 1* to Dr. Roy R. Grinker, Chairman, Program Committee, 714 Madison Ave., New York City 21.

The **American Society for Engineering Education** has elected Morrough P. O'Brien vice-chairman of its Engineering Research Council, and A. A. Jakkula and Eric A. Walker directors. Four institutions have been elected to active membership in the Council: Columbia University School of Engineering; Mississippi State College Engineering and Industrial Research Station; Stevens Institute of Technology; and Utah State Agricultural College Engineering Experiment Station.

Phi Lambda Upsilon, one of the oldest honorary societies in the U. S., installed the Honorary Chemical Society of Syracuse University as the Alpha Tau Chapter last month, making a total of 43 ΦΛΥ chapters. Officers of the old society, who have become officers of Alpha Tau, are Kenneth J. Shaver, president; Reino W. Hakala, vice president; Harold L. Kall, secretary; and Harry Teicher, treasurer.

Miscellaneous

The American Museum of Natural History has placed Frank E. Egler, research associate in Conservation and Use of Natural Resources, in charge of a newly organized project, the "Vegetation Bibliography of the Americas." The project is intended as a service to scientists and technologists and will encourage, coordinate, and centralize the divergent activities in the Western Hemisphere. Regional bibliographies will be published as suitable material becomes available. If individuals have already searched the pertinent literature of some area, it is hoped they will communicate with the museum.

An **Associate Committee on Publication and Abstracting Services** has been set up by the National Research Council of Canada to work with similar organizations in other countries toward better dissemination of published records of scientific and technical work.

The **Department of Agriculture Office of Personnel,** Washington, is asking for 600 agricultural specialists to represent the U. S. abroad in technical cooperation programs, including the Point IV program. Areas into which they will be sent include Europe, Latin America, Africa, the Near East, and the Far East. Appointments are exempt from Civil Service examination, and applicants over 60 will be considered for some assignments.

Graphic Art in Sweden Today, a traveling exhibition that has been shown at the Worcester Art Museum, The Berkshire Museum, Pittsfield, Mass., and the Lyman Allyn Museum, New London, Conn., will be seen in July at The Architectural League, New York. Originally assembled by the Swedish Institute in Stockholm, it has also been shown throughout Canada.

Students in public, parochial, and private schools all over the country, winners in regional fairs sponsored by Science Service and local newspapers, competed last month in the **Second National Science Fair,** held at Washington University. Mary Helen Martin, 17, Hyattsville (Md.) High School, and Peter Miller, 18, St. Paul (Minn.) Central High School, won first place in the biological sciences. Barbara Evelyn Joy, 16, Aldrich Warwick (R. I.) High School, and Edmund A. Richards, 16, Belleville Township (Ill.) High School, won first place in the physical sciences. Last spring Miss Martin was one of the 40 Science Talent Search winners. The Fair judges were chosen from among scientists in St. Louis area industrial laboratories and universities.

Under the direction of Charles E. Balleisen, research specialist in automatic machinery and kinematic synthesis, **Southwest Research Institute** is equipping new and larger quarters for its Mechanical Laboratory. The laboratory is undertaking programs to analyze mechanical processes leading to improved production methods, applying quality control methods to inspection problems, and developing both full-scale equipment and functional models.