

# News and Notes

## Conference on Teaching of Earth Science

THE third New England conference on earth science in secondary schools was held on March 15 at the Choate School, Wallingford, Conn. Those in charge of arrangements for the meeting were happy to accept the invitation from the Choate School, which for many years has had successful courses in earth science. The school has ample space for class meetings and laboratory work, and has excellent equipment, including maps, models, and representative collections of rocks and minerals.

The conference was attended by about 70 representatives of schools in Connecticut, Massachusetts, New York, and Pennsylvania. In the morning the visitors inspected instructional facilities at the Choate School, and particularly the building devoted to teaching the sciences. Some time was also given to an informal discussion of several topics, including the objective of secondary school courses in earth science. The afternoon and early evening were occupied with the following prearranged program: C. W. Wolfe, professor of geology, Boston University: Brief report on conferences of 1950 (at Boston) and 1951 (at Cambridge), with views and suggestions; Ray W. Tobey and A. Austin Meeks, Choate School: Teaching of Earth Science in Choate School; Frank B. Conklin, Deerfield, Mass.: The Course in Geology at Deerfield Academy; Merle A. Sturtevant, superintendent of schools, Shrewsbury, Mass.: Viewpoint of a Superintendent of Schools; T. Margaret Jamer, Board of Examiners, Board of Education, New York City: Earth Science in the New York City High Schools; David M. Delo, director, American Geological Institute, Washington, D. C.: How Can We Interest Promising High School Students in Earth Science?; John Hall Moss, Department of Geology, Franklin and Marshall College, Lancaster, Pa.; Roger Chaffee, Lancaster Day School; and Harold Platt, Germantown Friends School, Philadelphia: Progress in Introducing Geology into Southeastern Pennsylvania Schools; Samuel M. Brownell, professor of educational administration, Yale University, and president, New Haven Teachers College: Some Problems of Teacher Training in Earth Science; Richard J. Ordway, State Teachers College, New Paltz, N. Y.: Training of Teachers of Earth Science for Elementary Schools. John Hall Moss showed and explained a 16-mm Kodachrome motion picture, recently completed, to illustrate the training and work of geologists.

Those who have attended one or more of the New England conferences agree that the discussions have been highly profitable and are hopeful that similar cooperative effort may be stimulated in other parts of the country. Only a small percentage of secondary

schools offer courses in earth science, but teachers of these courses find that the subject matter has a strong appeal to boys and girls. It is unfortunate that pupils in secondary and elementary schools do not have more generally available the opportunity to learn the meaning of the natural features they will see around them all their lives, and to gain some understanding of the earth and its mineral resources. Some courses in general science devote a little time to physical geography, but at best such limited treatment can present only a modicum of basic information and little if anything on elementary principles. As a result the great majority of high school graduates begin adult life with no scientific introduction to their physical world, and only a small minority of those who enter college have any concept of the part geology plays in a liberal education.

Some of the private schools offer excellent courses in earth science, at levels ranging from the high school years downward into lower grades. Such courses in public schools are much more exceptional, and those that are well established commonly owe their development to the devoted interest of an individual teacher, principal, or school superintendent. We learn with some surprise that the New York City high school curriculum has for many years included physiography. Until recently, however, the course was offered in only a small number of the schools. Current registrations show an encouraging increase. In 1950 the total population of academic high schools in New York City was about 150,000, with 5050 enrolled in earth science, or about 1 in 30. In 1951 the total registration increased to 172,390, and the enrollment in earth science to 7230, or about 1 in 24. In the same year 38,179 were enrolled in biology, 19,846 in chemistry, 9701 in physics, and 29,474 in general science.

School superintendents in communities that wish to initiate courses in earth science report difficulty in finding properly qualified teachers. This is not surprising, since interest in the subject was at low ebb for many years and there was little incentive for training teachers. The resulting vicious circle complicates a problem which at best is very difficult because of competition among numerous subjects in school curricula.

The three successive conferences in New England have met an encouraging response, and plans for next year's meeting are already taking form. The fourth conference will be held at the Salem State Teachers College, Salem, Mass., on March 21, 1953, under the chairmanship of Mary E. Mrose.

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## Scientists in the News

Leading neurologists and neurosurgeons from the U. S., Canada, and Europe convened recently for a scientific program and a dinner in celebration of the 60th birthday of **Percival Bailey**, distinguished professor of neurology and neurological surgery at the University of Illinois College of Medicine, and director of the Illinois State Psychopathic Institute.

**W. G. V. Balchin**, of King's College, London, and **Norman Pye**, of the University of Manchester, have undertaken a study of desert landforms and erosional processes in the Mohave and Sonoran deserts of California and Arizona. The project is being supported by the universities of London and Manchester, the Royal Society, and the Royal Geographical Society, and with Fulbright funds.

**George Barnhart**, one of the first research chemists to be employed at Du Pont's Jackson Laboratory, has retired after 34 years of service. He joined the Jackson Laboratory staff in 1918 as a research chemist, and thus was in at the beginning of the pioneering development of an American dye industry which was started during the first world war.

**Homer R. Bolen**, professor of biology at Southeast Missouri State College, Cape Girardeau, has been appointed head of the Science Department. He succeeds **A. C. Magill**, who retired from active duties but remains associated with the college as professor emeritus of chemistry.

**John Boyd-Orr**, former director-general of the UN Food and Agriculture Organization, has succeeded **Guy Marshall** as chairman of Pest Control, Ltd., in the United Kingdom.

**J. Chester Bradley** is retiring from the Department of Entomology at Cornell University. One of the founders of the Entomological Society of America, he served as its first secretary-treasurer and was president last year. He is also one of three American members of the International Commission on Zoological Nomenclature.

**Virginia M. Brigham**, of Belmont, Mass., has been promoted to assistant professor of physics at Simmons College. She joined the Simmons staff in 1950.

**Paul F. Clark**, head of the Department of Medical Microbiology at the University of Wisconsin Medical School, is retiring from the faculty. He came to the university in 1914, after a period as bacteriologist for the Rhode Island State Board of Health, and work at Johns Hopkins Medical School and at the Rockefeller Institute for Medical Research in New York.

**E. U. Condon**, president-elect of the AAAS, has received an honorary D.Sc. degree from American University for his contributions to the theory of nuclear, atomic, and molecular structure. Dr. Condon

was also cited for his contributions to national defense, particularly in the fields of nuclear and electronic physics, and was praised for his achievements in the administration of science in government, industry, and the universities.

**Harold J. Coolidge**, executive director of the Pacific Science Board of the National Academy of Sciences—National Research Council, and associate in mammalogy at the Harvard Museum of Comparative Zoology, has recently been appointed by royal decree a member of the Commission of the Institute of the National Parks of the Belgian Congo, which has the responsibility for the administration of the Congo parks.

The Remington Honor Medal, pharmacy's highest award, will be given to **Patrick Henry Costello**, secretary of the National Association of Boards of Pharmacy and secretary of the American Council on Pharmaceutical Education, at a dinner meeting of the New York Branch of the American Pharmaceutical Association, probably in December of this year. This award was established by the New York Branch of the A.Ph.A. in 1918, to be given annually to the individual who has done most for American pharmacy in the previous year, or whose continuing contributions to the advancement of the profession have been outstanding. The past presidents of the American Pharmaceutical Association serve as the jury of award. In citing reasons for the selection of Mr. Costello, the jury called attention to his outstanding service in the development of the program of reciprocal licensure for pharmacists and his contributions to the program of accreditation of colleges of pharmacy.

**Richards W. Cotton** has been given a temporary leave of absence from Philco Corporation to accept appointment as chairman of the Electronics Production Board of the Defense Production Administration and director of the Electronics Division of the National Production Authority, Department of Commerce. Mr. Cotton, who has been assistant to the president, will serve in his new post until Dec. 31, giving civilian direction to phases of the mobilization program affecting electronics equipment.

**Louis de Broglie** has been awarded the Kalinga prize by Unesco. **B. Patnaik**, Indian industrialist, established the award last year. The French Nobel Prize winner and permanent secretary of the Section of Mathematical Sciences of the French Academy of Science received one million francs (equivalent to £1000, or \$2800) as first winner of the annual prize awarded by Unesco for outstanding achievement in the interpretation and popularization of science. The jury for the award was composed of Göran Liljestrand, of the Caroline Institute, Stockholm; M. N. Saha, professor of physics at the University of Calcutta; and Paul Gaultier, member of the Institut de France. They represented the biological and the physical sciences, and the reading public, respectively.

Kalinga was an empire that covered part of India and Indonesia more than 2000 years ago.

**Robert H. Dott**, director of the Oklahoma Geological Survey, has accepted the new position of executive director of the American Association of Petroleum Geologists. The rapidly growing membership of the AAPG, now about 9000, has made necessary a larger headquarters staff. Mr. Dott will direct the various activities of association headquarters, but the preparation of new books and special volumes on problems and methods of petroleum geology will receive his particular attention. **John W. Clark**, assistant chief geologist of the Magnolia Petroleum Company, Dallas, has been appointed secretary-treasurer of the association to serve out the unexpired term of Mr. Dott, who is resigning to accept his new position.

At the 85th annual meeting of the American Otolological Society in Toronto, **Edmund P. Fowler**, of New York, was awarded a certificate of merit and bronze medal for his research in otosclerosis and his pioneer work in otology. He was also the recipient of the \$1000 prize of the society.

**Ernest Gamble, Jr.**, has been named assistant director of the National Printing Ink Research Institute at Lehigh University. Mr. Gamble has been a graduate assistant with the institute since its inception in 1946.

**Irving R. Glass**, executive vice president of the Tanners Council of America, has received the annual Medal of Merit of the National Hide Association for his contributions to the development and growth of the tanning and hide industries. Mr. Glass has headed the Tanners Council, national trade association of leather manufacturers, since 1947.

**Palmer W. Griffith**, of American Cyanamid Company, received the eleventh annual John Wesley Hyatt Award, sponsored by the Hercules Powder Company, "for achievement of wide importance to the plastics industry." Mr. Griffith was cited for his researches with melamine, bringing this material from a laboratory curiosity to a plastic that has become the basis of a new industry.

**Frank L. Gunderson**, scientific research and technical development vice president, is leaving his position with Pillsbury Mills, Inc., and **Walter T. Blake**, who was recalled to active duty as lieutenant colonel in the Army, has returned to the company from White Sands Proving Ground. He will be assigned the position of manager of the Research and Development Department.

**H. Rupert Hanmer**, director of research, American Tobacco Company Research Laboratory, Richmond, and **Vada C. Miller**, science teacher, Dayton High School, were honored recently by the Virginia Section of the American Chemical Society. Each received Distinguished Service Awards—Mr. Hanmer for his many contributions to the advancement of chemistry

in the state and Miss Miller for her inspirational influence in the teaching of science to high school students.

**Delbert F. Jurgensen, Jr.**, has been appointed to a new executive post as director of engineering and development at Congoleum-Nairn, Inc. Dr. Jurgensen formerly was director of chemical research and development of the American Machine and Foundry Company and chief engineer of its Engineering Division, Special Projects Department, which designed new special-purpose machines and equipment for the Atomic Energy Commission's Savannah River installation.

**John W. Knutson** has been named chief dental officer of the U. S. Public Health Service. Dr. Knutson, chief of the Division of Dental Public Health, succeeds **Bruce D. Forsyth**, who has concluded a four-year tour of duty and is taking over new duties with the Federal Security Agency Region I in Boston. Dr. Knutson joined the Public Health Service in 1931 and has been a member of the Commissioned Corps since 1934.

**Oscar Lewis**, associate professor in the Department of Sociology and Anthropology, University of Illinois, will leave in August for India, where he will join the staff of **Douglas Ensminger**, who is in charge of the Ford Foundation program in India and Pakistan. Dr. Lewis will be on a two-year leave of absence, working on a joint government and Ford Foundation project, in which Indian personnel will be trained in modern extension service methods in special centers set up in 15 provinces.

**Seymour Lieberman**, assistant professor of biological chemistry at Columbia University and a member of the staff of Memorial Hospital, New York, in recognition of his work in identifying the steroid compounds isolated from urine, was presented with the Ciba Award for 1952 at the 34th annual dinner of the Endocrine Society. The award is presented each year by Ciba Pharmaceutical Products, Inc., to a society member not more than 35 years old for outstanding work in the field of clinical or preclinical endocrinology.

**Walter H. Mais** has been elected chairman of the Brooklyn College Department of Physics to succeed **Morris Francis Weinrich**, who retired at the end of the present semester. Professor Mais heads a Brooklyn civilian defense training unit for radioactivity detection. He is chairman of the college's Long Term Curriculum Study Committee.

**David F. Marsh**, professor and head of pharmacology at the School of Medicine of West Virginia University, is joining the Transandino Company, Palo Alto, Calif. (R. C. Gill Laboratory for Curare Research), as executive vice president and codirector.

**Mancel T. Munn**, head of the Division of Seed Investigations, New York State Agricultural Experi-

ment Station, Geneva, will retire Aug. 1, following 40 years of service. He served as U. S. delegate to the last six International Seed Congresses and since 1939 has held the post of editor of the *Proceedings* of the Association of Official Seed Analysts. **Benjamin E. Clark** will succeed Dr. Munn.

**Alf Nyberg** has been appointed visiting professor of meteorology at Florida State University for the coming academic year. Dr. Nyberg will be on leave as chief, Aerology Section, Swedish Meteorological and Hydrological Institute, and from the faculty of the University of Stockholm.

**Edwin P. Swatek**, chief design engineer of the contracting division of Dravo Corp., Pittsburgh, has received the Fuertes Graduate Medal of the School of Civil Engineering at Cornell University, for a paper dealing with construction of Lock 2 on the Monongahela River, a project on which he was chief designer. The medal was established in 1893 by Estevan A. Fuertes, first head of the school. It is awarded annually by the faculty to a graduate of the school for a meritorious paper tending to advance the scientific or practical interests of the civil engineering profession.

**John V. Taggart**, of the College of Physicians and Surgeons, Columbia University, has been awarded the Edward N. Gibbs Memorial Prize of \$2000 for researches on the etiology, pathology, physiology, or treatment of diseases of the kidney and for studies on renal physiology and tubular transport mechanisms. The prize was initiated in 1901 by Mrs. Edward N. Gibbs and Mrs. George Gibbs Sherrill in memory of Edward N. Gibbs, and is awarded at irregular intervals under the auspices of the New York Academy of Medicine.

**A. C. Trowbridge**, vice president of the AAAS and chairman of the Section on Geology and Geography (E), is retiring as professor and head of the Department of Geology at the State University of Iowa, and **A. K. Miller** will become head of this department. Dr. Trowbridge has been a member of the departmental staff since 1911 and head since 1934. Dr. Miller joined the staff in 1931.

**Ernest H. Volwiler**, president of Abbott Laboratories, has been elected a director of the American Chemical Society to fill the unexpired term of **Farington Daniels**, of the University of Wisconsin. Dr. Daniels became an ex officio member of the board of directors when he was named president-elect of the society. Dr. Volwiler was president of the society in 1950.

Visitors from abroad who recently visited the National Bureau of Standards include **E. Wigelius**, State Institute for Technical Research, Helsinki; **Joseph Frenkiel**, Research Council of Israel; **E. Kambara**, Tokyo Institute of Technology; **E. T. Goodwin**, Mathematics Division, National Physical Laboratory, England; and **C. W. Jones**, Department of Applied Mathematics, University of Liverpool.

## Education

**Mortimer J. Adler** has resigned his chair of the philosophy of law at the University of Chicago to go to San Francisco to direct the founding of an institute for philosophical research. He will remain a member of the board of the Great Books Foundation, which he was largely instrumental in establishing. The new institute will be started with grants of more than half a million dollars from the Fund for the Advancement of Education and the Old Dominion Foundation. The latter was the chief source of funds for the institute's predecessor at Chicago. Main purpose of the new organization will be to promote the advancement of learning through analysis of basic ideas and issues in Western thought.

The **Army Medical Service** will conduct 17 short postgraduate courses in surgery, psychiatry, and allied subjects during the last six months of 1952. The instruction is open to both military and civilian physicians and will be conducted at Army and Navy Hospital, Hot Springs, Ark., at Letterman, Walter Reed, Fitzsimons, and Brooke Army Hospitals, and at the Armed Forces Institute of Pathology in Washington, D. C. Civilian physicians should apply to the appropriate hospital or installation commander.

**HMS Challenger** is on a world cruise from England to do isolated survey jobs and to carry on the work started by her nineteenth-century predecessor. The new *Challenger* has modern echo-sounding gear, bottom samplers, and the deep-ocean type of seismic refraction and reflection apparatus developed by Hill and Swallow. The ship left the Pacific area in April, bound for the United Kingdom via the Indian Ocean and the Mediterranean. The world's deepest sounding (5940 fathoms) was obtained in the trench between Guam and Yap. T. H. Gaskill is geophysicist for the expedition.

**George W. Kisker**, associate professor of psychology at the **University of Cincinnati**, is engaged in making tape recordings of lectures and discussions by psychologists and psychiatrists in universities throughout the country. The recordings are filed in a library until requested by another college or university. Rerecordings are then made on tape, standard 78 rpm phonograph records, or on long-playing records, as required. Recordings are now being prepared by professors at various U. S. universities, and negotiations are under way for the recording of lectures at universities throughout the world. It is planned to add other areas of learning to the library.

The **Cooperative Bureau for Teachers**, New York City, has appointed **Sidney J. French**, Colgate University, chairman of its Governing Board for 1952-54. **J. Folwell Scull, Jr.**, of Polytechnic Preparatory C.D.S., has been appointed vice chairman, and **William S. Willis**, of the Unesco Fellowship Division, director of the College Department. Under Dr. Willis' guidance the department will continue its work of building up a central national placement

service for college teachers. Louis T. Benezet, president of Allegheny College, is chairman of the College Committee.

The **Fund for the Advancement of Education** has appropriated \$300,000 to establish a new program to assist liberal arts colleges in a critical examination and appraisal of their work. A committee of college presidents and deans has been appointed to review the applications and to select 10-15 institutions to which grants will be made. All liberal arts colleges are eligible to participate. Applications must be received not later than *Nov. 1*, and awards will be announced about *Dec. 15*.

The **University of Pittsburgh** graduate School of Public Health has appointed the following assistant professors: Sidney Cobb (biostatistics and epidemiology), James S. Dinning (biochemistry and nutrition), Mildred Mouw (public health nursing). Elizabeth R. Kramm has been appointed research associate in maternal and child health.

## Grants and Fellowships

The **National Multiple Sclerosis Society** has made a grant to the Indiana University School of Medicine for an investigation of the cellular responses that occur in the central nervous system of mice and rats as a result of the JRM virus. Chief investigator will be Orville T. Bailey, professor of neuropathology. A second study will be made at Boston University School of Medicine to determine the amino acid patterns of the spinal fluids in multiple sclerosis and other neurological diseases. Burnham S. Walker, professor of biochemistry, will direct the work.

The **National Research Council** has announced awards for 1952-53 under the four programs of fellowships that it administers. National Research Fellowships in the Natural Sciences, postdoctoral fellowships supported by the Rockefeller Foundation to promote fundamental research, were awarded to 13 scientists: George Richmond Bird, Columbia; Julian Calvert Eisenstein, Clarendon Laboratory, Oxford; Isidore Bernard Fleischer, University of Nancy; John Bernard Hanson, Caltech; Donald Gordon Higman, McGill; Martin Jesse Klein, Dublin Institute for Advanced Studies; Dan Leslie Lindsley, Jr., Princeton; Ariel Gideon Loewy, University of Cambridge; Edward Allen Mason, University of Wisconsin; Robert Gail Mills, Princeton; Norbert Muller, University of Chicago; John Essington Sanders, U. S. National Museum; William George Van der Kloot, University of Cambridge.

Eight awards of Merck Postdoctoral Fellowships in chemical and biological research were made: Joseph Jacob Blum, Caltech; Donald Hartwell Bucklin, Harvard; Richard Leslie Hinman, University of Cambridge; Edward Lowell Hokin, Montreal General Hospital Research Institute; Robert Guy Parrish, Cambridge University; and renewal awards were made to Lawrence Bogorad, Rockefeller Institute for

Medical Research; Andre Tridon Jagendorf and Philip Standish Thayer, University of California.

Five awards were made under a new fellowship program, the Lilly Research Laboratories Postdoctoral Fellowships in the Natural Sciences: John Harold Barrett, MIT; Albert William Burgstahler, Harvard; David Powell Hackett, University of London; David Swenson Hogness, Institut Pasteur; Michael Mullen Robison, University of Cambridge.

The RCA Predoctoral Fellowships in Electronics, supported by the Radio Corporation of America, to give special graduate training in electronics were awarded to Harry Dreicer, MIT; and William Richard Grow, Stanford; and renewal awards were made to Casper W. Barnes, University of Florida; Bernard E. Keiser, Washington University; and Seymour Stein, Harvard.

The **Sarah Mellon Scaife Foundation** is continuing the Multiple Fellowship on Orthopedic Appliances at the Mellon Institute for the sixth year. A special Medical Advisory Committee to guide the work has been set up under the chairmanship of E. R. Weidlein. Serving with him are William S. McEllroy, Paul B. Steele, John A. Heberling, and Carl C. Yount. Dr. Yount has become an Advisory Fellow of the Institute, to work closely with the staff of the fellowship. Donald A. Covalt, of New York City, and Augustus Thorndike, of Boston, have recently been added to the committee.

The **John Hay Whitney Foundation** has awarded "opportunity fellowships," totaling \$100,000, to 50 young men and women of minority groups from Guam, Hawaii, Alaska, the Virgin Islands, Puerto Rico, the District of Columbia, and 20 states. The awards are made annually to American citizens who, "because of arbitrary barriers such as race, cultural background or region of residence, have not had the fullest opportunity to develop their abilities."

## Meetings and Elections

The **American Education Fellowship** has elected H. Gordon Hullfish, professor of education at Ohio State University, president to succeed Kenneth Benne, of the University of Illinois. He will serve for a three-year term, and during that period headquarters of the organization will be on the Columbus campus.

The **American Phytopathological Society** is sponsoring a symposium on plant-parasitic nematodes and their control at the next annual meeting to be held Sept. 8-10 at Cornell University. A panel of nematologists, consisting of J. R. Christie, G. Steiner, A. L. Taylor, and G. Thorne (USDA), D. J. Raski (University of California), and C. W. McBeth (Shell Oil Company), will present papers dealing with the basic aspects of nematology and chemical control of nematodes.

The **Billings (Mont.) Geological Society** will hold its annual field conference Sept. 4-7, under the general chairmanship of George Darrow, in the Black

Hills and Williston Basin area. Headquarters will be at Deadwood, S. D. Emphasis will be on the Paleozoic rocks. All those who wish to attend should write immediately to John M. Parker, Box 797, Billings, to obtain registration blanks.

The seventh annual meeting of the **Calorimetry Conference** will be held at the National Bureau of Standards, Washington, D. C., Sept. 20. For further information, write to the program chairman, Guy Waddington, U. S. Bureau of Mines, Bartlesville, Okla.

The fourth **International Congress of Hematology** will be held in Mar del Plata, Argentina, Sept. 21-28. Six scientific sessions, a symposium on hemophilia, and round-table discussions will be held. Among U. S. scientists listed on the provisional program are W. H. Seegers, J. B. Graham, William Dameshek, J. S. Lawrence, Jacob Furth, J. H. Burchenal, E. P. Cronkite, George Brecher, Leo Jacobson, Egon Lorenz, O. P. Jones, and Ernest Witebsky. For further information, address Sol Haberman, secretary-general, 3301 Junius St., Dallas, Texas.

The **Metal Powder Association**, meeting last April in Chicago, elected Ernest H. Klein president to succeed Thomas L. Robinson, who was elected chairman of the Board of Directors. Thomas Moore was elected vice president, and George Roberts was elected to the Board.

The **New Orleans Academy of Sciences**, at its annual meeting in May, elected Walter Moore president, Hyman Mayerson vice president, Karlem Riess secretary, Carl M. Conrad treasurer, and Garland Taylor curator. In addition to the meeting of the senior academy, there was an exhibit and a series of talks by members of the Junior Academy under the sponsorship of George C. Daul, of Southern Regional Laboratory. The New Orleans Academy is discussing plans for the celebration of its centennial in 1953 and has made changes in its bylaws to permit closer cooperation with industry.

The annual **Plant Science Seminar** will be held Aug. 12-16 in Philadelphia, just preceding the meeting of the American Pharmaceutical Association. All persons engaged in any phase of plant science are invited to attend. Frank H. Eby, of Temple University School of Pharmacy, is head of the local committee.

A Boston University chapter of **Sigma Xi**, with a total enrollment of 93, was installed on Apr. 5. The officers are Chester M. Alter, president; Arthur M. Lassek, vice president; and Henry D. Russell, secretary-treasurer. Shields Warren spoke at the installation dinner, on "The University and Science: Commensal or Parasitic?"

A symposium on **The Utilization of the Major Metabolic Fuels** will be held Sept. 3-5 by the Department of Biology, Brookhaven National Laboratory.

Speakers will be S. Soskin, A. Wick, D. D. Feller, S. S. Chernick, R. Levine, DeW. Stetten, P. Handler, M. Stetten, F. Dickens, R. O. Brady, S. Gurin, W. Sakami, S. Korkes, and S. Weinhouse. Robert Steele, J. Raymond Klein, and Martin Gibbs comprise the Symposium Committee.

## Miscellaneous

Claremont College has announced the affiliation of **Rancho Santa Ana Botanic Garden** under the Claremont group plan of the Associated Colleges. By arrangement between Pomona College and the Garden, part of the college's botanical library and the college herbarium have been combined with the Garden's library and herbarium. Richard K. Benjamin has been appointed Garden mycologist and assistant professor of botany in the Claremont Graduate School. The Garden will be open to the public in 1953.

**Deep-sea investigations**, using a bathysphere, are being undertaken in Japan this year. The Japanese newspaper *Yomiuri Shimbun* contributed one third of the construction funds, the remainder being given by other organizations. U. Nakaya is chairman of the committee appointed for the administration and future utilization of the bathysphere, and Koji Hidaka, chairman of the Pacific Science Association subcommittee on Physical Oceanography, and Pacific Science Council member from Japan, is also a member. N. Inouye, who then obtained funds for the construction of the bathysphere, plans to make the first descent.

Headquarters Technical Information Service of the **Department of Scientific & Industrial Research** has been merged with the Technical Information and Documents Unit. The new unit, which retains the name TIDU, holds the German industrial documents which were taken to England after the war. It is receiving unpublished reports from British and American sources and is the British center for an international questions-and-answers scheme, to provide information about industrial techniques from the U. S., Canada, France, Germany, Ireland, Sweden, and the U. K.

**Pakistan's** first seismological research station, now being built with Unesco's technical assistance, completely lacks back numbers of scientific journals. The new service would be grateful for spare reprints of seismological papers published before 1948. Copies should be sent to Pakistan Meteorological Service, Geophysical Division, Kings Road, Quetta, Pakistan.

Chemicals wanted by the **Registry of Rare Chemicals**, 35 W. 33rd St., Chicago, Ill., include: Titanium sulfide; aluminum triethyl; sodium dithioformate; selenourea; DL-1-aminocyclohexanecarboxylic acid; 4-aminopterine; sym-diisopropyl hydrazine; 1,12-dodecanedioic acid; lignoceryl alcohol; mellitic acid; n-tridecyl amine; 5,9,10-benzanthracene; 1,12-benzperylene; ursolic acid; novirudin; nicotyrine; lanthionine; putrescine; tyrosol; and coronene.