NEWS and Notes

"An American Bridge to World Science" (Science, May 9, p. 483) outlined the opportunities which might accrue to scientists by virtue of the provisions of the Fulbright Act. This law authorizes agreements with foreign governments for the use of money derived from the sale of surplus property to "finance studies, research, instructions, and other educational activities" of American citizens in the educational institutions of such countries and to transport their own citizens who wish to attend schools in the United States. The law further provides that the President shall appoint a 10-man Board of Foreign Scholarships to select both students and institutions and to supervise the exchange program. Last week such a Board was appointed. The only scientist member is Ernest O. Lawrence, professor of physics, University of California. Others named to membership were: Veterans Administrator Bradley; John W. Studebaker, U. S. Commissioner ment of Biology, University of Nevada, of Education; Francis Spaulding, New York State Commissioner of Education; Helen C. White, professor of English, University of Wisconsin; Laurence Duggan, director, Institute of International Education: Sarah Blanding, president, Vassar College; Walter Johnson, professor of history, University of Chicago: Charles S. Johnson, president, Fisk University; and Martin P. McGuire, dean, Graduate School, Catholic University. The State Department has already received 12,000 applications for study abroad, 5,000 of these being from veterans.

The \$137,550,000 made available thus far is distributed among 22 countries, as follows: Australia, Finland, istry Department, University of Texas. France, Hungary, and the Nether- Dr. Ayres will be in charge of analytical lands, \$5,000,000 each; Austria, \$750,- chemistry.

000; Belgium, Denmark, Egypt, and Burma, \$3,000,000 each; Czechoslovakia, \$6,000,000: Greece and Poland, \$8,000,000 each: Iran and the Philippines, \$2,000,000 each; Italy, China, and the United Kingdom, \$20,000,000 each: Netherlands Indies. \$7.000.000: New Zealand, \$2,300,000; Siam, \$4,000,000; and Turkey, \$500,000.

Science readers are again referred to "An American Bridge to World Science" and the implications of the Act as presented by William Vogt.

National Science Foundation legislation was, at the beginning of this week, in the hands of conferees from both the House and Senate in order that a compromise might be reached on such issues as appointment of a Director, allotment of research funds to states, and patent provisions. Senate conferees are: Aiken, Ellender, Smith (author of S. 526), Taft, and Thomas; for the House, Harris, Hinshaw, Howell, Priest, and Wolverton (author of H. R. 4102, discussed in last week's issue of Science). It seems likely that within a few days a Science Foundation bill will be on its way to the desk of the President for signature.

About People

P. A. Lehenbauer, head, Departhas recently retired from that position and is succeeded by E. W. Lowrance.

Harold Wooster, University of Pennsylvania, has been appointed senior fellow on the Heinz Food Varieties Fellowship at Mellon Institute.

Iver J. Johnson, professor of agronomy, Iowa State College, has been appointed successor to H. D. Hughes, head, Farm Crops Subsection, Department of Agronomy, Iowa State College Agricultural Experiment Station, and head, Farm Crops Subdepartment, Agronomy Department, Division of Agriculture, Iowa State College. Prof. Hughes retired on June 30.

Gilbert H. Ayres, Department of Chemistry, Smith College, has been appointed associate professor in the Chem-

Rudolf Bennitt, professor of zoology, University of Missouri, has been appointed visiting professor of zoology at Washington University, St. Louis, for the current summer session.

Ruth McClung Jones, assistant professor of zoology and botany, Swarthmore College, has been appointed professor of biology at Winthrop College, the South Carolina College for Women, Rock Hill.

Norman Foster Ramsey, formerly of Columbia University, has been appointed associate professor of physics, Harvard University. Prof. Ramsey will also continue to serve as consultant to the Brookhaven National Laboratory.

Herman H. Chapman, Harriman professor emeritus of forest management, Yale University, received the honorary D. Sc. degree from the University of Minnesota at its recent commencement exercises.

- L. R. Hafstad, director of research, Applied Physics Laboratory, Johns Hopkins University, has been appointed executive secretary of the Joint Research and Development Board, succeeding Lloyd V. Berkner, who resigned July 1, and who expects to return in the fall as chairman of the Division of Upper Atmosphere Physics, Department of Terrestrial Magnetism, Carnegie Institution of Washington.
- R. E. Black, formerly senior research chemist, Phillips Petroleum Company, Bartlesville, Oklahoma, has been appointed professor and head, Department of Chemistry, Morningside College, Sioux City, Iowa. Prof. Black assumed his duties June 1 after the retirement of J. A. Coss.

Hugh Cutler, formerly of the Botanical Museum, Harvard University, and field technician, U. S. Rubber Development Corporation, Brazil, during the war, has been appointed curator of Economic Botany at the Chicago Natural History Museum.

Percy E. Raymond, professor emeritus of paleontology, Harvard University, has been elected a corresponding member of the Geologiska Föreningen, Stock-

Ancel Keys, director, Laboratory of Physiological Hygiene, and professor, School of Public Health, University of Minnesota, flew to England July 12 and Applied Chemistry in London.

W. E. Krauss, head, Department of Dairy Husbandry, Ohio State University College of Agriculture for the past year, will return to the Ohio Agricultural Experiment Station at Wooster as its associate director, January 1, 1948.

David E. Green, director, Enzyme Chemistry Laboratory, Columbia University, has been appointed professor of enzyme chemistry, University Wisconsin Medical School.

Clarence F. Goodheart, Naval Ordnance Laboratory, White Oaks, Maryland, and Chester H. Buchanan, professor and head, Department of Electrical Engineering, University of North Dakota, have been appointed associate professors of electrical engineering, Union College, Schenectady, New York.

Ernest A. Back, entomologist, Bureau of Entomology and Plant Quarantine. U. S. Department of Agriculture, since 1907, retired June 30. On August 1 Dr. Back will leave for London, where, with R. T. Cotton, head of the Bureau's Manhattan, Kansas, laboratory, he professor of chemistry, Union College, will represent the Department of Agri- has been appointed associate professor culture at the international conference at Indiana University, effective Septemof specialists on infestations of stored ber 1. Dr. Schmidt is succeeded at Union products, sponsored by the Food and College by Harry F. Herbrandson, Agriculture Organization.

Daniel Melnick, supervisor of research, Food Research Laboratories, Inc., has been appointed director, In- with The Texas Company, New Orleans, stitute for Applied Research (successor to has been appointed professor of geology Dayton, New Jersey.

W. Henry Hollinshead, formerly professor of anatomy Duke University Department of Biology, Sampson College, School of Medicine, has been appointed Associated Colleges of Upper New York, consultant in anatomy and professor has been promoted from associate proof anatomy at the Mayo Foundation fessor to full professor. and Graduate School of Medicine, University of Minnesota.

stitute of Child Welfare, University of man, Department of Psychology, Rutgers and consultant of the Hospital. Minnesota, has been granted sabbatical leave of absence for the year 1947-48. Dale B. Harris will be acting director of the Institute during this period.

professor of physiology,

for a two-week series of addresses and Physicians and Surgeons, New York Microbiology, held this month in Copenconferences. Dr. Keys gave the opening City, and associate physician for allergy, hagen, Denmark. Dr. Buchanan helped address of the symposium on malnutrition The Mount Sinai Hospital, has been prepare an international code of bacat the International Congress on Pure appointed active consulting physician teriological nomenclature which was prefor allergy, Seaview Hospital, Staten sented at the Congress, and Dr. Werk-Island, New York.

> Walter V. Bingham, chief psychologist and adviser regarding the classifica-June 30. Dr. Bingham will serve part time retired from this position. as an expert consultant to the Secretary of War, and as chairman, Council Advisory to the Director of Personnel and Administration, War Department General Staff.

cology Branch, Harold E. Himwich, chief, Clinical Research Branch, and Service. Leonard Karel, toxicologist, represented the Medical Division, Army Chemical Center, at the centenary celebrations of the Chemical Society, London, July 15-17, and the subsequent International Physiological Congress at Oxford.

Warren D. Smith, head, Department of Geology and Geography, University of Oregon, retired on July 1. Prof. Smith is president-elect of the Oregon Academy of Science.

Frederic C. Schmidt, associate at present a research fellow at Harvard

F. C. MacKnight, formerly geologist Applied Research Laboratories, Inc.), and geography at Evansville College, Evansville, Indiana.

Raymond L. Taylor, resident head,

University.

College of in the 4th International Congress for search Foundation, Illinois Institute of

man, one of the principal speakers, discussed cellular metabolism.

Simon H. Ingberg, chief, Fire Resisttion of military personnel, War Depart- ance Section, National Bureau of Standment, for the past seven years, resigned ards, Washington, D. C., has recently

Harry Eagle, Johns Hopkins University School of Hygiene and Public Health, has been appointed scientific director of the National Cancer Institute. Dr. Eagle will have charge of an extensive William H. Chambers, chief, Toxi- program of research within the Institute, which is a part of the U.S. Public Health

> Henry M. Burlage, professor of pharmacy, University of North Carolina, has been appointed dean, College of Pharmacy, University of Texas, effective September 1, 1947.

> David B. Hand, director of research and quality control, Sheffield Farms Company, Inc., has been appointed professor of biochemistry and head. Division of Food Science and Technology, New York State Agricultural Experiment Station, Geneva. Dr. Hand succeeds Elmer H. Stotz, who has been appointed professor of biochemistry and chairman, Department of Biochemistry, University of Rochester School of Medicine and Den-

Robert F. Loeb has been appointed Bard professor of medicine in the College of Physicians and Surgeons, and director of the Medical Service at Presbyterian Hospital, according to announcement by Frank D. Fackenthal, acting president, Columbia University, and Charles P. Cooper, president of Presbyterian Hospital. Dr. Loeb has been Lambert professor of medicine at Columbia and attending physician at the Hospital and, during the war, served as consultant to OSRD and chairman of the Board for the Coor-Morgan Upton, industrial psychol- dination of Malarial Studies. Dr. Loeb ogist, Murray Corporation of Detroit, succeeds Walter W. Palmer, who has John E. Anderson, director, In- has been appointed professor, and chair- become emeritus professor of medicine

Edwin R. Whitehead, since last Octo-R. E. Buchanan, director, Agricul- ber half-time research professor of electural Experiment Station, Iowa State trical engineering and consultant in elec-College, and C. H. Werkman, head, Detrical engineering in general charge of the Harold A. Abramson, assistant partment of Bacteriology, participated AC network calculator at Armour ReTechnology, has been appointed director of the latter's Department of Electrical physiology, University of Chicago, has the United States her address will be: Engineering. Dr. Whitehead succeeds been designated a distinguished service 2242 Washington Street, San Francisco, Louis T. Rader, who will join the staff professor of physiology at the University. California. of the General Electric Company.

staff of Mellon Institute since 1935 and executive assistant to the director for the past three years, has been promoted to an assistant directorship of the Institute. During the war Dr. Young was a special consultant on corrosion and protective coatings to the War and Navy Depart-

William W. Ray, associate professor of botany and plant pathology and associatd plant pathologist and mycologist in the Agricultural Experiment Station, Oklahoma A & M College, has been appointee professor of botany at the University of Nebraska, and mycologist in the Department of Plant Pathology of the Agricultural Experiment Station.

Nicholas Polunin, Oxford University graduate and research fellow, has been appointed Macdonald professor of botany, McGill University, to succeed George W. Scarth, who has retired.

Ernest H. Ward, formerly professor psychology, Wittenberg College, Springfield, Ohio, has joined the Los Angeles staff of Rohrer, Hibler & Replogle.

Gleb Krotkov, professor of biology, Queen's University, Kingston, Ontario, is spending his sabbatical leave at the University of California, Berkeley, where he is doing research in carbohydrate metabolism in plants. Mrs. Krotkov is occupying a temporary instructorship in mathematics at Berkeley.

Jessie L. King, chairman, Department of Physiology and Hygiene, Goucher College, Baltimore, retired in June. Dr. King is succeeded as professor of physiology and chairman of the Department by Phoebe J. Crittenden, who has been head of the Department of Toxicology, Merck Institute for Therapeutic Research.

istry, Cornell University, has been ap- the Fourth International Cancer Repointed Arthur Amos Noyes professor of search Congress, St. Louis, Missouri, chemistry, California Institute of Tech- September 2-7. After the Congress she nology, effective in September. Dr. Kirkwood is the first to be appointed to this professorship which was recently created problems connected with "Life and Death receive \$87,850 in Federal Government in honor of Dr. Noyes, first chairman of the Division of Chemistry.

Austin L. Rand, formerly acting chief, George H. Young, on the research Division of Biology, National Museum of Canada, Ottawa, has been appointed curator of Birds at the Chicago Natural History Museum, Dr. Rand assumed his duties there July 7.

> H. W. Straley, III, consultant in geology and geophysics, Worthington Consulting Service, since 1940, has been apgeological, geophysical, and mining research, World Bank, Washington, D. C.

chairman.

H. B. H. Cooper, chemical engineer, Calco Chemical Division, American Cyanamid Company, has been named new head of the Department of Chemical and Mining Engineering, Iowa State College, and will assume his new duties early this fall, O. R. Sweeney, head of the Department since 1920, will devote his time to research in the Engineering Experiment Station and to teaching in the Depart-

Leonard S. Kogan, Psychology De partment, University of Rochester, has been appointed assistant director, Institute of Welfare Research, Community Service Society of New York.

P. L. Magill, who has been associated with the DuPont Company for a number of years, has been appointed to the staff of the Stanford Research Institute, where he will direct some of the work in chemistry and chemical engineering.

Visitors to U.S.

Mme. Dobrovolskaja - Zavadskaja, John G. Kirkwood, professor of chem- Curie Institute, Paris, plans to attend plans to devote some time to lecturing and conducting scientific discussions on "Possible Role of Some Intermediary field of psychology. The grants include

Arno B. Luckhardt, professor of Metabolites in Pathology." While in

Pei-sung Tang, National Tsing Hua University, Peiking, China, wishes to confer with Chinese graduate students in biology, agriculture, biochemistry, and agronomy with a view to possible appointments in China. Dr. Tang will be in this country approximately from August 1 to August 15. Anyone wishing to confer with Dr. Tang is asked to pointed valuation engineer in charge of write to him in care of the China Institute, New York City, before August 1.

Members of the South African Jiles W. Haney, chairman, Depart- Council for Scientific and Industrial ment of Mechanical Engineering. Uni- Research scheduled to visit this country versity of Nebraska, since 1926, will re- include: J. N. van Niekerk, of the Natire as professor emeritus on September 1. tional Physical Laboratory, who arrived Niles H. Barnard, formerly associate July 14; W. S. Rapson, director, National professor of mechanical engineering at Chemical Laboratory, arriving August 9: the University, has been named acting E. P. Carman, also of the Chemical Laboratory, arriving August 9; and W. J. Lutjeharms, professor of botany, University College of the Orange Free State, who is traveling on a grant from the Council, arriving sometime in August.

Grants and Awards

Charles Allen Thomas, executive vice-president and technical director, Monsanto Chemical Company, was the recipient of the medal given by the Industrial Research Institute, Inc., of New York City, for "inspiring leadership in the development of the American research system and for the participation thus in the American chemical enterprise." The medal was presented by Herbert W. Graham, senior past president of the Institute, at the annual meeting held June 5 in Swampscott, Massachusetts.

Lawrence H. Bailey, chief engineer, F. J. Stokes Machine Company, Philadelphia, received the annual medal of the Stevens Institute of Technology, June 4, at the third annual medal lecture sponsored by the Powder Metallurgy Laboratory of the Institute. The medal was awarded in recognition of his outstanding achievement in the field of powder metallurgy.

The University of Illinois is to Phenomena in Cancerous Cells" and grants for research and training in the \$32,000 from the Navy for research in Bachmann, Moses Gomberg professor of research with high-energy positive ions S. Public Health Service for fellowships, DeMille Campbell professor of chemical used by the Institute of Radiobiology tion, including income provided by B. Lewis, John Jacob Abel professor of Medicine in their programs. In this new provisions of the G. I. Bill for training biological chemistry; Dewitt H. Parker, building, which will be ready for occuin clinical psychology.

The Association for Advancement of Research on Multiple Sclerosis, Inc., has recently made a first grant of ple sclerosis. The three years of research undergraduate program in glass techprovided for will be under the direction nology leading to the degree of Bachelor bacteriology, Columbia University. The sheduled to start in September, will be ander Sandow to associate professor; major part of the project in research in administered by the University's College and Savino D'Angelo to assistant prothe study of allergies in connection with of Engineering. Clarence L. Babcock, multiple sclerosis will be conducted at the Research Division. Owens-Illinois Glass cians and Surgeons and at the Neurolog- course in glass technology. Further of the University of Utah School of ical Institute of New York.

Fellowships

The Arctic Institute of North America is offering two Research Fellowships of \$2,000 each for scientific work in the North American Arctic and Subarctic during 1948. Research must include field investigations either in Alaska, professor; Wiliam A. Lynam, Department northern Canada, Labrador, Newfoundland, or Greenland. The Fellowships are professor; and Hugh Winn, Department open to anyone who has demonstrated his ability to carry out research work of superior quality in some field of science. Applications must be received by November 1, 1947. Forms may be obtained from The Arctic Institute of North America, 805 Sherbrooke Street West, Montreal, Canada.

of a geology fellowship by the Shell Oil Company Fellowship Committee of New York City. The fellowship carries a stipend of \$1,200 yearly, tuition and fees, equipment. Recipients will be selected by the chairman of the Department of Geology, with the approval of the dean of the Graduate College.

Colleges and Universities

Smith Carhart professor of physics.

Columbia University College of Physi- Company, will have charge of the initial information may be obtained from Walter Medicine include: Emil G. Holmstrom, V. Burg, Department of Chemical formerly associate professor in the De-Engineering, University of Toledo. Toledo, Ohio.

> The Case Institute of Technology has announced the following promotions: Erwin F. Shrader, Department of Physics, to associate professor; Charles S. Smith, Department of Physics, to associate of Mechanical Engineering, to associate of Chemical Engineering, to assistant professor.

The former University of Newark is now merged with the State University of New Jersey, maintained by the partment of Zoology: Launce J. Flemis-Trustees of Rutgers University. Herbert P. Woodward, formerly professor of geology and acting dean, University of The University of Nebraska Foun- Newark, is now dean, Newark College dation has announced the establishment of Arts and Sciences, Rutgers University; Carl A. Olson, formerly professor of chemistry, is director, Division of Natural Sciences; and John Keosian, formerly associate professor of biology, has been and \$300 to cover costs of materials and promoted to professor of biology, Newark College of Arts and Sciences.

The University of Chicago has beaccelerator building to house appointed to these posts were: Werner E. for Nuclear Studies. Facilities for medical projects will be conducted in the fields of

aviation psychology; \$4,000 from the U. chemistry; George G. Brown, Edward and gamma rays will be included and and \$7,250 for additional staff; and engineering; Thomas Francis, Jr., Henry and Biophysics and the Division of \$44,000 from the Veterans Administra- Sewall professor of public health; Howard Roentgenology of the Department of Robert Mark Wenley professor of philos-pancy in the spring, 98 University ophy; and George E. Uhlenbeck, Henry scientists will conduct basic researches,

Washington Square College, New The University of Toledo has an- York University, has announced the \$64,350 for specialized research on multi- nounced the establishment of a four-year following promotions in the Department of Biology: Morris H. Harnly and Douglas A. Marsland to full professor; Albert of Elvin A. Kabat, assistant professor of of Engineering. The new program, S. Gordon, Milan J. Kopac, and Alex-

> Newly appointed faculty members partment of Obstetrics and Gynecology. as professor and head of the Department to succeed C. E. McLennan, who will become chairman of the Department of Obstetrics and Gynecology at Stanford University; Thomas Dougherty, formerly of Yale University, as professor in the Department of Anatomy; and William Moretz, formerly of Rochester University, as assistant professor in the Department of Surgery, to replace Randolph Shields, who recently left for China.

> Swarthmore College has announced the following appointments in the Deter, research associate, Sharp & Dohme, Inc., as assistant professor; Jae L. Littrell and Norman A. Meinkoth. Department of Zoology, University of Illinois, as instructors; and Haraid Erikson and Valentine Furst, University of Oslo, as research associates.

The Ohio State University Research Foundation has announced the signing of 15 new contracts totaling \$428,171 for scientific studies to be conducted at the University for government gun construction of a \$1,250,000 ion agencies and industrial firms. Ten of the a projects will be carried out for the Army 100,000,000-volt betatron, the Univer- Air Force's Air Materiel Command, the sity's cyclotron, and a new cyclotron of Office of Naval Research, the Cleveland the most modern construction. The Ordnance District, and the Army Engi-The University of Michigan has laboratory will be used primarily for neer Board, Fort Belvoir, Virginia. announced the establishment of several researches in nuclear physics and radio- Research contracts for the five industrial distinguished professorships. Among those chemistry conducted by the Institute firms total \$107,830. Research for the fuels, antibiotics, low-temperature re- scription of Nuclear Structure"; Sep- Geological Survey, to consider how best search, ceramics and photogrammetry, tember 2-5, "Nuclear Energy Levels"; to organize a marine expedition which radio antennae, infrared radiation, air- September 8-12, "Meson Theory of would seek to find more living Coelacraft structure design, fungicides and Nuclear Forces," "Production of Mesons canthid Fish like that found in the South herbicides, poultry husbandry, and cri- and Protons"; II. Particle Physics: African waters off East London at the teria for the selection of personnel for Throughout August, "Cosmic Rays: end of 1938, and also to explore and positions of responsibility.

Industrial Laboratories

The Sterling-Winthrop Research Institute, a division of Sterling Drug. Inc., will have within a year a new \$3,000,000 chemical and biological research laboratory at East Greenbush. New York, near Rensselaer, as the result of an agreement, announced July 12, between Sterling and the Mutual Life Insurance Company of New York. The latter will buy the tract of land from Sterling, finance the construction, and 30-year term. Research in the new laboratory will be extended to include "penicillin-like compounds and derivatives, antibiotics, organometallic compounds. sulfa drugs, antimalarials, veterinary products, barbiturates, amino acids. diagnostic agents, streptomycin, and other therapeutic preparations." In the field of tropical medicine, special emphasis will be placed on diseases prevalent in Latin America and the Near East. In addition, research will be undertaken in packaged medicines, fine chemicals, pigments, and dyes.

Eli Lilly and Company announces the appointment to its staff of Joseph Peter Gibbons, Jr., and Darrel O. Neidigh, Jr., both recent graduates of Purdue University.

The Carpenter Steel Company, Reading, Pennsylvania, has announced the appointment of Berton H. DeLong as vice-president and technical director. George B. Luerssen, assistant chief metallurgist, will become chief metallurgist.

Meetings

Brookhaven National Laboratory has arranged several informal conferences on nonrestricted material for August and early September. The dates have been selected to coincide with the visits at Brookhaven of scientists actively interested in the general topics which Scientific and Industrial Research David M. Levy, Howard S. Liddell, follow: I. Theory of Nuclear Forces: has appointed a committee headed by Milton J. E. Senn, John C. Whitehorn, August 25-29. 'Phenomenological De- S. H. Haughton, director, South African and Harold G. Wolff.

Science: August 11-September 12, "Super to communicate with J. L. B. Smith, High-Voltage Accelerators, Theory of Rhodes University College, Grahams-Accelerators, Analysis of Power Re- town, South Africa. quirements, Detailed Design Considerations, Uses of High-Energy Particles"; Long Island, New York.

The American Oil Chemists' Soman, and Howard C. Black, Swift and Sea, will be excavated this summer by in charge of technical papers.

Recent Deaths

Grinnell Jones, 63, professor chemistry, Harvard University, died June 23 at Cambridge Hospital.

Franklin Sherman, 69, head, Department of Entomology and Zoology, Clemson College, since 1925, died of a heart attack June 23.

Frank Clifford Whitmore, 59, research professor of organic chemistry, and in Psychosomatic Problems has andean, School of Chemistry and Physics, Pennsylvania State College, died sud-College.

Composition of Cosmic Rays; Interaction accumulate data in various fields of of Mesons With Nuclei; Experimental science in the relatively poorly-known Techniques"; and "Nuclear Spins and region of the Mozambique Channel. Moments; Interactions Between Nuclear All societies, institutions, and individuals Particles"; III. Instruments of Nuclear interested in this project are requested

The Veterans Administration refand August 14-15, "Short Pulse Tech- erence exhibit of prosthetic devices, niques and High-Speed Counters, Crys- completed after more than a year's tal Counters, Multipliers and Secondary work, was opened to the public on July Emission Phenomena, Cerenkov Coun- 16. The exhibit contains approximately ters, Broad Band Amplifiers, High- 1,000 items, including practically every lease the development to Sterling for a Speed Coincidence Techniques, Fast available known type of device which Geiger Counters." Information concern- may aid the physically handicapped. ing transportation facilities and accom- The permanent exhibit may be seen in modations may be obtained from Miss Room 890, Veterans Administration Ellen Matteson, Brookhaven National Building, Vermont and H Streets, Laboratory, P. O. Box 150, Patchogue, N. W., Washington, D. C., 10 A.M. to 4 P.M. Mondays through Fridays.

> According to the Swedish-Inciety will hold its annual fall meeting at ternational Press Bureau, the unusual the Edgewater Beach Hotel, Chicago, village of Vallhagar, which dates from October 20-22. G. A. Crapple, Wilson the middle of the Iron Age and which is and Company, Chicago, is general chair-located on Gotland Island in the Baltic Company Chicago, is program chairman about 70 archaeologists from Sweden, Norway, Denmark, Finland, Iceland, and England, who will be aided by geologists, botanists, osteologists, Swedish Air Force photographers, and mineclearance troops. The object of the excavations is to make a detailed investigation of the settlement in order to determine its design and character. Excavations are expected to be completed by the end of September, and the results will be published jointly by the participating scientists.

> The American Society for Research nounced the appointment of a new Board of Editors for its journal, Psychodenly, June 24, at his home in State somatic Medicine. Carl Binger, psychiatrist, and formerly associate professor, Columbia University, is editor-inchief. He will be assisted by Franz Alexander, Dana W. Atchley, Walter Bauer, The South African Council for George E. Daniels, Hallowell Davis,

The U.S. Civil Service Commission has announced an examination for filling Geologist positions at salaries ranging from \$4,149 to \$7,102 a year. Vacancies are located in Washington, D. C., and vicinity in various Federal agencies. and throughout the United States in the Departments of Agriculture and Interior. Competitors for these positions will not be required to take a written test. To qualify, they must have completed either a four-year college course leading to a Bachelor's degree in geology, or a time-equivalent combination of study in geology and technical experience. In addition, they must have had professional experience in geology. Graduate study may be substituted for a part of the required experience.

Further information and application forms may be obtained at most post offices, from Civil Service regional offices, and from the U.S. Civil Service Commission, Washington 25, D. C. Applications will be accepted in the Commission's Washington Office until further notice, but persons interested in being considered for positions which will be filled immediately should apply by August 15, 1947.

Make Plans for—

American Mathematical Society, First Annual Symposium in Applied Mathematics, August 2-4, Brown University, Providence, Rhode Island.

American Veterinary Medical Association, August 18-21, Cincinnati, Ohio.

New England Association of Chemistry Teachers, 9th Summer Conference, ley, Massachusetts.

American Pharmaceutical Association, August 24, Milwaukee, Wisconsin.

American Society of Mammalogists, August 24-27, Higgins Lake, Michigan.

Americal Institute of Electrical Engineers, Pacific General Meeting, August 26-29, San Diego, California.

> American Association for the Advancement of Science, 114th Meeting, December 26-31, Chicago, Illinois.

COMMENTS

by Readers

included in Robert M. Salter's paper on the land, to give them a decent living on "World Soil and Fertilizer Resources" standard, and halt erosion? Of what use (Science, May 23, p 533) that criticism are millions of tons of fertilizer to India, would seem carping were it not that the where 60 per cent of the population has an treatment of the problem is dangerously annual per-capita income of \$9.30 (S. misleading. It manages to pile up on both Chandrasekhar. the Scylla and Charybdis what the general 1946)? How available are the soils of semanticists call elementalism and identi- the tropics, when those who work them fication (Alfred Korzybski. Science and face almost certain early death from sanitv. 1933).

cussion of soils, and of fertilizers, which the control of which is inordinately are without meaning, in the world food expensive? What of land tenure systems, complex, except as components of the tenantry, the colonial and American total environment. It overlooks our pro- industrial attitude toward the land, which found scientific ignorance of how to operates in terms of this year's profits? cope with tropical environments, where All these factors, it should be borne in only an insignificant amount of research mind, are interrelated in a dynamic has been carried on. It disregards the complex in which it is rare that one does illiteracy rate (often 100 per cent) of not have an influence on all, or most of, tropical peoples—and what might be the others. called the ecological illiteracy everywhere begs the question of whether terror- Iowa; therefore, it can be done in Albania. ridden bureaucracies will be able to cope I have never been in Albania, but I have with wind erosion on the chernozem soils traveled in many other countries; most of Central Asia. It ignores the instability of them are decades, perhaps centuries, and corruption of many governments, behind the United States in land-use which seem to exist primarily to line techniques. Not, of course, that we are their own pockets.

(Jean-Paul Harroy. Afrique, terre qui meurt. Brussels: Marcel Havez, 1944)? tropics? What of the need to resettle of the rainbow. And because of man's

So much valuable material is hundreds of millions of people already India's population. malaria, dysentery, schistosomiasis, sleep-It is elementalistic in its isolated dis- ing sickness, and a number of other ills.

The paper further suffers from identifiof leaders, including legalistic- and cation of U.S. conditions with those of 'economy"-minded legislative bodies. It the rest of the world—it has been done in sitting pretty. We are still losing the What of disturbed hydrologic regimes, battle of soil conservation. We continue August 18-23, Wellesley College, Welles- with their sequelae of floods, drought, to go into the red, from the forest point falling water-tables, erosion, that have of view. It is touch and-go whether our effectively removed from potential circu- western ranges can be saved from the lation millions of acres in Asia, Africa, and sheep and cattle men. Many of our rivers South America? What of the burning, have been turned into open sewers. Even overgrazing, overcropping, and deforesta- so, there are few countries outside western tion that have made Africa moribund Europe that are not far worse off than

> Meanwhile, the world population is What of the folkways of Asiatic and daily increasing at the rate of 50,000 African primitives and American pressure empty stomachs. According to our groups that measure their wealth in notions, they should be filled three times destructive numbers of cattle rather than a day. It is pleasant to think of 1,300,000,long-time yields? What of the plague of 000 available acres and x million tons of shifting agriculture that, under increased fertilizer with which to do it. Unfortupopulation pressures, every year sends nately, for practical purposes, these are as more millions of tons of soil down the unavailable to hundreds of millions of world's rivers, especially those of the the earth's people as the gold at the end