

NEWS

and Notes

Fifty societies will meet with 15 sections of the AAAS at its 114th meeting, to be held in Chicago, December 26-31, 1947. Synopses of section program plans reported by May 21 follow:

R. W. Brink, University of Minnesota, is developing the program of *Section A* (Mathematics) with the assistance of the Executive Committee of the Section, R. L. Moore, University of Texas, and T. R. Hollcroft, Wells College. Four sessions have been planned for the morning and afternoon of December 29 and 30. In addition, a dinner session will be held on the evening of December 29. Arrangements have been made with J. R. Kline, of the American Mathematical Society, to count papers read before the meetings of Section A as having been read before the American Mathematical Society. Paul Dwyer, secretary, Institute of Mathematical Statistics, University of Michigan, has been asked to collaborate in organizing a joint session with the Institute. In general, the program will be devoted to contributed papers. E. P. Lane and R. E. Langer, recent vice-presidents and chairmen of Section A, have been asked to deliver their vice-presidential addresses at one of the sessions.

Section B (Physics) will meet jointly with the American Physical Society on December 29 and 30. "Astrophysics and Nuclear Physics" is the proposed title of one of the sessions, while the other will be in some field of biophysics. The meetings will probably be held on the campus of the University of Chicago. Joseph C. Boyce, New York University, secretary of Section B, is cooperating with Karl K. Darrow, Columbia University, secretary of the American Physical Society, in planning the joint symposia.

The program of *Section C* (Chemistry) is being organized by Ed. F. Degering, Purdue University, secretary of the Section, with the cooperation of the chairman, Farrington Daniels, University of Wisconsin. The sessions, running from December 26 through December 28, will

include a joint meeting with the Chicago Section of the American Chemical Society and a series of special symposia arranged by Dr. Daniels, Charles D. Hurd, Northwestern University, and Herbert C. Brown, Wayne University. The subjects will cover "Photosynthesis," "Industrial Processes," and "Mechanisms of Hydrocarbon Reactions." Other sessions will be devoted to general papers. A luncheon for chemists will be held on December 26.

Section D (Astronomy), under the direction of its secretary, C. C. Wylie, University of Iowa, will meet on December 26 and 27. In addition to general papers, a joint symposium has been planned with Section E (Geology and Geography) on the "Origin of the Solar System." Those cooperating with Dr. Wylie in the organization of the program include: D. B. McLaughlin, University of Michigan; George Van Biesbroeck, Yerkes Observatory; Harlow Shapley, Harvard Observatory; S. A. Mitchell, Leander McCormick Observatory; C. M. Huffer, secretary of the American Astronomical Society; and O. J. Lee, Northwestern University, who is acting as the local representative.

Section E (Geology and Geography) will meet on December 26 and 27. The December 26 sessions will center on a symposium entitled "Ground Water Geology and Engineering," organized by E. J. Schaefer, U. S. Geological Survey, Columbus, Ohio. J. Marvin Weller, University of Chicago, is arranging for a symposium on "Mississippian," to be presented on the morning of December 27, and in the afternoon Section E will meet jointly with Section D to discuss the "Origin of the Solar System." George W. White, secretary of Section E, is developing the program with the assistance of M. P. Billings, chairman.

As in past, the *Section F* (Zoology) and *Section G* (Botany) will meet jointly with allied societies. No independent programs have been proposed by either section.

Section H (Anthropology) will also meet on December 26 and 27. The afternoon session on December 26 will be devoted to general papers. On the morning of December 27 the Section will meet jointly with the Linguistic Society of America, through the cooperation of Carl Voegelin, editor of the *International Journal of American Linguistics*; the afternoon session will continue the program initiated at Boston last year with a discussion on economic anthropology. This

session will be under the chairmanship of Melville Herskovits, Northwestern University. A dinner is planned for the evening of December 26. Marian W. Smith, Columbia University, is secretary of Section H, is in charge of the program.

Harold E. Burt, Ohio State University, secretary of *Section I* (Psychology), has organized 8 sessions. In a two-day program, contemplated for December 29 and 30, general papers will be grouped according to subject matter. On the evening of the 29th a joint session is planned for the presentation of addresses by Edna Heidebreder, Wellesley College, and W. A. Brownell, Duke University, vice-presidents of Sections I and Q, respectively. Dean A. Worcester, secretary of Section Q, is collaborating in the arrangements for this evening session.

The evening plans of *Section K* (Social and Economic Sciences) and *Section L* (History and Philosophy of Science) have not crystallized sufficiently to be reported at this date.

Section M (Engineering) plans to meet December 29 and 30. The present program arrangements, under the direction of the Section secretary, Frank D. Carvin, Newark College of Engineering, call for a series of general technical papers on engineering and a symposium on "Limnological Aspects of Water Supply and Waste Disposal." Theodore A. Olson, School of Public Health, University of Minnesota, will serve as chairman of the symposium, which was organized in cooperation with G. L. Clark, Harvard University, secretary of the Limnological Society of America. The Chicago Technical Societies Council, represented by D. L. Tabern, Abbott Laboratories, is cooperating with Section M in sponsoring the program. J. T. Rettaliata, Illinois Institute of Technology, is chairman of the local committee in charge of meeting details.

Subsection Nm of the Section on Medical Sciences will present a four-session symposium on Antibiotics, December 29 and 30. Malcolm H. Soule, University of Michigan, secretary of the Section, is organizing the program.

Section O (Agriculture) will meet jointly with the American Society for Horticultural Science on December 30, both morning and afternoon. The secretary of Section O, E. E. DeTurk, University of Illinois, has announced that the program will deal in general with the problems of improving the breeding of horticultural crops.

Section Q (Education) will meet on December 29 and 30 for a discussion of the interrelationships of scientific method and social philosophy. D. A. Worcester, University of Nebraska, secretary of the Section, is organizing the panel of participants. On the evening of December 29 Section Q will join with Section I for the presentation of vice-presidential addresses.

About People

Henry Norris Russell, professor of astronomy, and director of the observatory, Princeton University, will retire July 1. **Lyman Spitzer, Jr.**, professor of astrophysics, Yale University, has been appointed director of the observatory, and **Martin Schwarzschild**, Columbia University, will become professor of astronomy.

Robert M. Muir, instructor in plant physiology at Pomona College, has been appointed assistant professor.

Bela K. Erdoss, associate professor and research associate, Department of Mechanical and Industrial Engineering, Lehigh University, has been appointed director of the new fluid dynamics program, being sponsored jointly by New York University and Stevens Institute of Technology, which opens in September. Dr. Erdoss will also become professor of hydrodynamics at the Institute.

John S. Lawrence, associate professor of medicine, and **Herman E. Pearce, Jr.**, associate professor of surgery, University of Rochester School of Medicine and Dentistry, have been assigned by the Atomic Energy Commission to a 3-month medical study in Japan, in connection with the casualties at Hiroshima and Nagasaki.

A. G. Christie, professor of mechanical engineering, Johns Hopkins University, and **Alfred Iddles**, vice-president and director, the Babcock & Wilcox Company, New York City, were the two official delegates representing the American Society of Mechanical Engineers at the centenary celebration of the British Institution of Mechanical Engineers, June 8-13.

J. A. Rosenkrantz, formerly chief of the Medical Section, Out-Patient Department, Veterans Hospital, Bronx, New York, has recently been appointed chief of the Out-Patient Department.

John R. Paine, formerly professor of surgery, University of Minnesota, has been appointed professor of surgery in the University of Buffalo Medical School and head of the Department of Surgery, Buffalo General Hospital.

Robert Galambos, of Emory University, has joined the staff of the Psycho-Acoustic Laboratory, Harvard University. Dr. Galambos is best known for his work on the ultrasonic 'radar' used by bats in flight and for his successful recording of nerve impulses in single fibers of the auditory nerve.

M. L. Jacobs, acting dean of the School of Pharmacy, University of North Carolina, since the death of J. Grover Beard last year, has been appointed dean by the University trustees.

T. D. Stewart, curator of Physical Anthropology, Smithsonian Institution, has recently returned to Washington from Guatemala, where he has been making a series of physical measurements of living Cakchiquel Indians in the highlands. The Cakchiquel, or "highland Maya," belong to the same racial and linguistic stock as the "lowland Maya," builders of the temple cities of Yucatan in pre-Columbian times. The measurements will be analyzed and compared with similar data on the Yucatan peoples. Dr. Stewart believes that the comparison will reveal notable differences between the Cakchiquel and present-day Yucatan Maya.

Karl Lehmann, professor of fine arts, and director, Archaeological Research Fund, New York University, is en route to Greece to salvage monuments which were uncovered by graduate students of the University before the war, and later desecrated during the Bulgarian occupation. Dr. Lehmann will also arrange for the continuation of the University's archaeological research and excavations on the island of Samothrace.

Arthur H. Compton, chancellor of Washington University, St. Louis, gave the 20th annual Steinmetz Memorial Lecture at Schenectady, New York, May 27, on "The Birth of Atomic Energy and Its Human Meaning." The annual lectures were inaugurated after the death of Charles P. Steinmetz, October 26, 1923, and each year a scientist who has made a notable contribution is selected as speaker.

Kenneth R. MacKenzie, associate professor of physics, University of British Columbia, has been appointed associate professor of physics, University of California, Los Angeles. During the war, Dr. MacKenzie served as research associate in the Radiation Laboratory, University of California, Berkeley.

James T. Barrett, professor of botany and plant pathology, University of California, Berkeley, was honored by colleagues and students June 4 at a dinner commemorating his 34 years on the California faculty, and the attainment of emeritus rank.

Tage U. H. Ellinger, head, Department of Zoology, Howard University, has been appointed chairman, Division of Natural Science, and professor of zoology, Regis College, Weston, Massachusetts.

Visitors To U. S.

V. Prabhakar Rao, entomologist of Bangalore, India, has been sent by his Government to the United States for a year to study our methods of combating the ravages of scale insects in fruit orchards, to investigate American methods of plant quarantine, and to study the classification of scale insects. Three months of this time is being spent at the Natural History Museum, Stanford University, which houses one of the largest collections of scale insects in the world. His classification studies are under the direction of Gordon F. Ferris, of the School of Biological Sciences. From Stanford Dr. Rao will proceed to the Citrus Experiment Station, University of California, and then to various border quarantine stations of the U. S. Department of Agriculture.

W. R. Piggott, of the British National Physical Laboratory, is now visiting the National Research Council of Canada at the invitation of its president, C. J. MacKenzie, and expects to spend some time in Washington, D. C., before his return to England. Mr. Piggott is personal assistant on radio matters to Sir Edward Appleton, permanent secretary of the Department of Scientific and Industrial Research, and is concerned principally with ionospheric work.

J. H. Seddon, of the Wingfield Morris Orthopaedic Hospital, Headington, Oxford, has been invited to the United States

to read papers at various medical meetings. He is particularly interested in U. S. work on peripheral nerve injuries and poliomyelitis.

D. W. Wright, of the Horticultural Research Station, Cambridge, is spending several months in the United States and Canada to observe work concerned with insect pests of vegetable crops, insecticides and spraying techniques, and biological control and population studies.

David S. Riceman, agrostologist, Division of Biochemistry and General Nutrition, Australian Council for Scientific and Industrial Research, is making an 8-month tour of U. S. universities to study mineral nutrition of plants.

E. L. Halliday, of the National Physics Laboratory of the South African Council for Scientific and Industrial Research, has recently come to the United States after a visit to England.

Colleges and Universities

The **Western Reserve Pharmacy Foundation** has launched a nation-wide campaign to raise \$528,850 for the purpose of constructing and equipping a new building for the School of Pharmacy, Western Reserve University. This step is the first in a long-range program to expand and improve Cleveland's Medical Center at the University and is directed more specifically toward reducing the critical shortage of trained pharmacists. An estimated 50 per cent more pharmacists will be trained each year.

The Foundation's Executive Committee includes: George Miller, president, Strong Cobb & Company, Inc., chairman; W. G. Leutner, president, Western Reserve University, honorary chairman; Edward Blythin, vice-president, Western Reserve University, treasurer; John C. Levy, Northern Ohio Druggists Association, secretary; William W. Hosler, Strong Cobb & Company, Inc.; Arthur P. Wyss, dean of the School of Pharmacy; and Wendell A. Falsgraf, University trustee.

The **University of Chicago's Department of Astronomy** will undergo a general reorganization and expansion, according to plans outlined to the Yerkes Observatory staff by Otto Struve, director of the Observatory, and chairman, Department of Astronomy. The plan,

which will be effective July 1, 1947, includes the personnel of both the Yerkes Observatory and the McDonald Observatory of the University of Texas. Some of the arrangements proposed by Dr. Struve are: that Gerard P. Kuiper be appointed director of the Yerkes and McDonald Observatories, with W. A. Hiltner continuing as assistant director; that a theoretical section be created under the supervision of S. Chandrasekhar, who will continue to reside at Williams Bay, Wisconsin; that W. W. Morgan be appointed managing editor of the *Astrophysical Journal*, and that the Chicago teaching section be revived under T. L. Page. Dr. Struve, who will guide the new policies and lay the broader plans for the Department, plans to reside at Williams Bay, and at Mount Locke, Texas.

The **University of Pennsylvania Museum** now houses sections of the oldest known legal code. Samuel N. Kramer, associate curator of the Babylonian Section, and Francis Steele, assistant, discovered the fragments while cataloguing inscriptional material which a University of Pennsylvania expedition to Southern Mesopotamia excavated from the ancient city of Nippur nearly 50 years ago. Written in cuneiform script in the Sumerian language by the Babylonian king, Lipit-Ishtar, its legal doctrines seem, in many instances, to have served as prototypes to the Hammurabi Code (about 1725 B. C.), which until now has been generally recognized as the world's oldest set of written by-laws. A preliminary paper on the contents of the Sumerian code was read by Dr. Steele on April 15 at the annual meeting of the American Oriental Society held in Washington, D. C.

Temple University Research Institute, Philadelphia, has been selected by the Sun Oil Company to complete a research project, begun by the Houdry Process Corporation laboratories, to investigate the causes of metabolic diseases using C^{13} as a tracer. Sidney Weinhouse, who directed the C^{13} project at the Houdry laboratories, will also head the Institute's program. Temple University Research Institute, directed by Gen. D. N. Hausman, was recently organized to further scientific knowledge at the university level, and to provide research facilities for industrial concerns, associations, and educational institutions sponsoring fundamental scientific research projects.

A new building for metallurgical research development will be erected at Iowa State College with funds allotted by the U. S. Atomic Energy Commission under a general research program. The four-story brick building and equipment will cost \$1,000,000. The program, which will be under the direction of F. H. Spedding, head of the Iowa State College Institute for Atomic Research, will continue and expand the work done at the College during the war on the development of processes which proved to be the most efficient methods for producing rare metals. The new building will provide facilities for investigation of all phases of metallurgy, as well as for fundamental research.

Summer Programs

The **Institute of General Semantics** has announced its 4th Annual Seminar and Workshop, to be conducted by Alfred Korzybski and co-workers at Lakeville, Connecticut, August 16-September 5. It is planned as a fundamental course in general semantics and non-Aristotelian methodology and is intended chiefly for those actively interested in the new methods of evaluation and their applications. The enrollment is limited to 50. Tuition for the three-week period is \$150. Further inquiries should be addressed to the Registrar, Institute of General Semantics, Lakeville, Connecticut.

The **Naval Research Laboratory** has a number of positions open for summer employment in the fields of physics, chemistry, mathematics, electronics, and mechanical and electrical engineering. Monthly salaries of these positions (grades SP-5 and -4) are approximately \$200 and \$185, respectively. Three and two years of appropriate college study or equivalent experience are required. A limited number of positions at higher grades, of particular interest to graduate students, are also open. Standard Form 57 (Civil Service Commission), required of all applicants, should be sent promptly to: Personnel Office, Naval Research Laboratory, Washington 20, D. C.

Meetings

The **International Union of Chemistry** has been informed by Director General Julian S. Huxley that UNESCO has provisionally allocated to the Union

for the year 1947 the sum of \$26,448, approximately \$20,000 of which is immediately available as a contribution toward meeting traveling expenses of members of the International Commissions planning to attend the 14th Conference of the Union in London, July 17-23, immediately following the Centenary Celebrations of the Chemical Society of London.

Celebrations of the Chemical Society will be under the presidency of C. N. Hinshelwood. The Conference of the Union will be under the presidency of Marston T. Bogert, professor emeritus of organic chemistry, Columbia University, who has held this position since his election in Rome in 1938. The 11th International Congress of Pure and Applied Chemistry, in association with which the Conference of the Union is to be held, will be headed by the Right Honorable the Viscount Leverhulme as president.

The International Union, a federation of 25-30 countries founded in 1919, has been rebuilt since the close of World War II. The coming Conference will be its first since 1938. Among its eight vice-presidents are Sir Robert Robinson, who recently received the Gold Medal of the Franklin Institute (Science, April 11, 1947), and Alexander Nesmeyanov, director of the Research Institute of Organic Chemistry, National Academy of Sciences, Moscow.

According to information received from Dr. Bogert, the American Chemical Society not long ago set aside a fund of \$25,000 for use in paying expenses in this country of foreign chemists and chemical engineers who could not engage in advanced study here without such aid. UNESCO is to designate the individuals who are to receive this support.

The American Mathematical Society will hold its First Annual Symposium in Applied Mathematics at Brown University, August 2-4, on the topic, "Nonlinear Problems in Mechanics of Continua." Major addresses will be delivered by the following: J. J. Stoker, New York University, "Surface Waves in Shallow Water"; F. D. Murnaghan, Johns Hopkins University, "The Foundations of the Theory of Elasticity"; K. O. Friedrichs, New York University, "The Edge Effect in Bending and Buckling With Large Deflections"; and Alexander Weinstein, Carnegie Institute of Technology, "Nonlinear Problems in the Theory of Fluid Motion With Free Boundaries."

A number of shorter research papers in the field will also be presented.

Further information may be obtained from Prof. William Prager, Brown University, Providence 12, Rhode Island.

A two-day Symposium on Sound will be held at the Salt Lake Tabernacle and the University of Utah, July 21-22, in connection with the Utah Centennial Celebration. The symposium, which will be open to the public, will include papers by: Harvey Fletcher and Mark B. Gardner, Bell Telephone Laboratories; S. S. Stevens, Harvard University; Vern O. Knudsen, University of California, Los Angeles; Ralph J. Christensen, U. S. Navy Electronics Laboratory, San Diego; Carl F. Eyring and Wayne B. Hales, Brigham Young University; Hillary W. St. Clair, U. S. Bureau of Mines; Alexander Schreiner, Salt Lake Tabernacle organist; and Carl J. Christensen and J. Irvin Swigart, University of Utah.

A Conference on Algebra will be held at the University of Michigan, July 25-28, under sponsorship of the Department of Mathematics. Seven sessions are planned which will feature papers by E. Artin, R. Brauer, S. Eilenberg, N. Jacobson, and S. MacLane. Additional papers on any aspect of algebra may still be submitted. Those wishing to present papers or obtain information about the Conference are invited to write to R. M. Thrall, 319 West Engineering Building, University of Michigan, Ann Arbor, Michigan.

Elections

The Wisconsin Academy of Sciences, Arts, and Letters, at its 77th annual meeting in Milwaukee, April 11-12, re-elected the following officers for 1947-48: L. E. Noland, University of Wisconsin, president; E. L. Bolender, Superior State Teachers College, vice-president in science; Don Anderson, Madison, vice-president in arts; Robert K. Richardson, Beloit College, vice-president in letters; Banner Bill Morgan, University of Wisconsin, secretary-treasurer; H. O. Teisberg, Historical Library, Madison, librarian; W. C. McKern, Milwaukee Public Museum, curator; and L. E. Noland, University of Wisconsin, representative on the Council of the AAAS. Hugo Rohde, Milwaukee, and Samuel Wadmond, Minneapolis,

were elected to life membership; Edwin B. Hart, Madison, and Katharine Lenroot, Washington, D. C., to honorary membership.

Robert Marshak, University of Rochester physicist formerly with the Los Alamos Laboratory, has been elected chairman of the Federation of American Scientists. The Washington office of the Federation, located at 1749 L Street, N. W., will continue its operations under William T. Higinbotham, executive secretary, and J. H. Rush, secretary-treasurer.

The New York Section of the American Association of Cereal Chemists, at a meeting on May 6, elected the following officers for the coming year: Henry H. Favor, R. T. Vanderbilt Company, chairman; Louis Bisno, Wagner Baking Corporation, Newark, New Jersey, vice-chairman; and Lawrence Atkins, Wallerstein Laboratories, secretary-treasurer.

The American Society for Clinical Investigation has named Eugene B. Ferris as editor-in-chief of the Society's *Journal of Clinical Investigation*. Dr. Ferris is associate professor of medicine in the University of Cincinnati College of Medicine. I. Arthur Mirsky and William B. Bean, associate professors of experimental medicine and medicine, respectively, at the University of Cincinnati, have been appointed associate editors. As of July 1 the editorial offices will be located in the Department of Internal Medicine, Cincinnati General Hospital.

The Medical Division, Army Chemical Center, Edgewood Arsenal, Maryland, has openings for toxicologists, experimental pathologists, and biophysicists, with salaries to range up to \$8,179.50 per annum. Inquiries should be addressed to Chief, Civilian Personnel Division, Edgewood Arsenal, Maryland.

Vincenza Porrini, Laboratorio D'igiene e Profilassi, Provincia di Firenze, Firenze (Florence), Italy, would greatly appreciate receiving unwanted or extra copies of the *Journal of Bacteriology* and other journals dealing with the laboratory sciences.