

Wissler was in a strategic position to further research, and anthropology is indebted to him for his wise and liberal encouragement of research projects. Such milestones in anthropological analysis as the studies of the Plains Indian Sun Dance and the Plains Age-Societies were done with his participation and sponsorship. He lent his support to such varied and valuable work as the Arctic explorations of Stefansson, the ethnological investigations at Zuni by Kroeber, the Lynds' study of Middletown, and the archeological excavations by Nelson.

From 1924 until his retirement in 1940 Wissler devoted part of his time to the Institute of Human Relations at Yale, where he was professor of anthropology. His students there found in him a kindly mentor under whose unobtrusive guidance they were encouraged to develop their fullest potentialities. But Clark Wissler's influence as an educator extended far beyond the group of graduate students at Yale, for he made an educational tool of the Museum. Through its exhibits,

through the many guidebooks and pamphlets he wrote for its publications, through his administration of its facilities and staff, he spread widely the teachings which anthropology has to offer.

Just honors came to him, among them an LL.D. from Indiana, the presidencies of the anthropological and the museum associations and of the New York Academy of Sciences, a Division chairmanship in the National Research Council. These offices he fulfilled ably—a senior statesman not only among anthropologists but in the larger community of scholars and scientists as well.

The achievements of Clark Wissler make a proud record. His research contributions influenced the growth of anthropology, his administrative abilities fostered many important developments in the field, his teaching and writing brought the fruits of research to many of his fellow men.

DAVID G. MANDELBAUM

*University of California*

## NEWS and Notes

**Construction of Cornell University's new high-voltage synchrotron** should be completed in about two months, according to Robert R. Wilson, director of the Laboratory of Nuclear Studies. On this week's cover Harold Bascom, technician, is shown installing one of the more than 1,000 condensers which will be used to tune the giant magnet. The synchrotron, weighing nearly 85 tons and designed to generate energies as high as 300,000,000 electron volts, is being assembled in a large concrete and brick structure adjoining the University's new Laboratory of Nuclear Studies, scheduled for completion late this spring. Funds for the machine, designed and being constructed under the direction of D. R. Corson, B. D. McDaniel, J. W. DeWire, and C. D. Swartz, of the Cor-

nell physics staff, were provided by the Office of Naval Research.

**Identical bills providing for a National Science Foundation** were introduced in both the Senate (S. 2385) and House (H.R. 6007) last Thursday. These bills, which have been drafted with White House approval in mind, provide for appointment of the director of the Foundation by the President, "by and with the advice and consent of the Senate, after receiving recommendations from the Foundation." They also provide that the director shall be appointed for a 6-year term, at a salary of \$15,000 per year. Leading the bipartisan group which introduced the bill into the Senate was Republican Senator H. Alexander Smith of New Jersey; Republican Representative Charles A. Wolverton of New Jersey introduced the House bill.

### About People

**Rene J. Dubos**, of the Rockefeller Institute for Medical Research, New York City, will discuss the results of his research on tuberculosis and plans

for future work at a number of educational institutions in connection with the Sigma Xi National Lectureships. Dr. Dubos will give his first lecture at Tulane University on April 8, and will then visit Louisiana State University (9), the University of Tennessee (12), the University of Kentucky (13), Indiana University (15), Wabash College (19), the University of Cincinnati (20), Ohio State University (21), Western Reserve University (22), the University of Pittsburgh (23), Pennsylvania State College (26), and Bucknell University (27).

**Augustus P. West**, after 27 years of service in the Federal Government, retired from his position at the National Bureau of Standards on February 29. Dr. West had spent most of his career in the Philippines, assisting in the development of natural resources of the Islands. In 1945 he joined the Bureau staff and had since been engaged in leather research.

**Mildred W. S. Schram** has been appointed field director of cancer control in the newly organized Division of Cancer Control, North Carolina State Board of Health. Dr. Schram's headquarters will be in Raleigh.

**Harry A. Schwartz**, director of research, National Malleable and Steel Castings Company, will give the Edward Williams lecture before the annual meeting of the Institute of British Foundrymen in London on June 9. Dr. Schwartz will speak on "Solved and Unsolved Problems in the Metallurgy of Blackheart Malleable." At the 1939 meeting of the Institute Dr. Schwartz was awarded the E. J. Fox Medal for his contributions to the literature on malleable iron. He is the only person not a British subject ever to receive this award.

**Abraham H. Taub** has been appointed research professor of applied mathematics at the University of Illinois. Dr. Taub, now on leave from the University of Washington, is at the Institute for Advanced Study. In his new position, Dr. Taub will work with EDVAC, Illinois' new electronic computer which performs mathematical problems a thousand times faster than any standard electrically operated computing machine. EDVAC, one of four of its kind in the world, is the first to be installed in the Middle West.

**David E. Henderson**, assistant to the general manager and chief project engineer, Indian Motorcycle Company, has been made the first Walter Clark professor of industrial engineering as well as head of the Industrial Engineering Department, North Carolina State College.

**John L. Synge** has been appointed to a senior professorship in the School of Theoretical Physics at the Dublin Institute for Advanced Studies. He is resigning from his present position as head of the Department of Mathematics, Carnegie Institute of Technology, as of the end of the present academic year and will take up his duties in Dublin on September 1.

**Samuel Jackson Holmes** was honored by the Department of Zoology, University of California, at a gathering on the occasion of his 80th birthday (March 7). Prof. Holmes, who was an active member of the Department for more than 25 years, is the author of two recent books, *Organic form and related biological problems*, published in January by

the University of California Press, and *Life and morals*, just published by Macmillan.

**Charles F. Bonilla**, professor of chemical engineering at Johns Hopkins University, has been appointed professor in Columbia University's School of Engineering, where he will direct research and teach in the field of chemical engineering thermodynamics.

**Gerald R. MacLane**, at present Benjamin Peirce instructor in mathematics at Harvard University, and last year a member of the Institute for Advanced Study, has been appointed assistant professor of mathematics at the Rice Institute.

**Milton E. Parker**, formerly associated with the National Dairy Products Corporation and the Beatrice Foods Company, and since 1944 a private food consultant, has been named professor of food technology at Illinois Institute of Technology, where he will be in charge of the expanding food technology program of education and research in the Biology Department.

**Mayo H. Soley** has been named new dean of the College of Medicine and **William B. Bean** new head of the Department of Internal Medicine, University of Iowa. Dr. Soley, now professor of medicine and assistant dean at the University of California's Medical College in San Francisco, will assume his new duties on or before July 1. Dr. Bean, associate professor of medicine at the University of Cincinnati, will go to Iowa about September 1.

**Nelson C. Dale**, of the Department of Geology, Hamilton College, Clinton, New York, recently returned from a 6-month visit to Denmark, Sweden, France, Switzerland, Holland, and Belgium. Fossil collections for use in the Hamilton College geological laboratories and Museum of Natural Science were made on the islands of Sjaelland and Bornholm, Denmark.

**Rosalie C. Hoyt**, instructor in physics at the University of Rochester since 1945, has been appointed assistant professor of physics at Bryn Mawr College, effective this fall. She

will resume her work in biophysics and continue with the work in nuclear physics instrumentation in which she has been engaged at Rochester.

**Harry D. Huskey**, authority on large-scale automatic digital computing machinery, has been appointed chief of the Machine Development Laboratory, National Bureau of Standards. He succeeds **E. W. Cannon**, who will devote full time to his duties as assistant chief of the National Applied Mathematics Laboratories.

## Grants and Awards

**Twenty-one universities and hospitals** have been named by the National Advisory Cancer Council, National Cancer Institute, as being in great need of more facilities if they are to do desired research in the cancer field. A. C. Ivy, executive director of the Council, stated that requests amounting to more than \$8,000,000 have been considered favorably. The Council has recommended that, pending approval by the Senate of the contract authorization of \$8,000,000, the \$2,053,000 now available in Institute funds for construction of non-Federal research facilities be utilized among the 21 institutions. These institutions, together with the sums recommended for the construction of clinical and laboratory research facilities are: University of California Medical School, Berkeley, \$1,000,000; Los Angeles County Hospital, Los Angeles, California, \$35,255; University of Colorado, \$400,000; Yale University, \$250,000; University of Chicago, \$450,000; Massachusetts General Hospital, Boston, \$700,000; New England Deaconess Hospital, Boston, \$400,000; Tufts College Medical School, \$133,522; University of Minnesota, \$543,550; Washington University, St. Louis, \$450,000; College of Physicians and Surgeons, New York City, \$1,000,000; New York University, Bellevue Hospital, \$575,000; University of Oregon Medical School, Portland, \$10,000; Lankenau Hospital Research Institute, Philadelphia, \$149,000; University of Pennsylvania, \$56,208; University of Tennessee, Memphis, \$491,584; Meharry Medical College, Nashville, \$20,000; University of Utah School of

Medicine, \$416,404; University of Virginia School of Medicine, \$75,000; Medical College of Virginia, Richmond, \$10,588; and University of Wisconsin Medical School, \$975,000.

**Galen B. Schubauer** and **Harold K. Skramstad**, of the National Bureau of Standards, were the recent joint recipients of the Sylvanus Albert Reed Award made at the annual meeting of the Institute of Aeronautical Sciences held in New York. Drs. Schubauer and Skramstad, nationally known for their research in aerodynamics, were cited for "their contributions to the understanding of the mechanism of transition from laminar to turbulent flow."

The New York Academy of Medicine has announced the availability of \$2,000 for original research on kidney diseases, under the Edward N. Gibbs Memorial Prize, during 1948. Candidates must be physicians who have been graduated at least three years and are U. S. residents. Evidence should be submitted of research already performed and of facilities to prosecute research upon the causation, pathology, and new methods for treatment of kidney diseases. Applications, with the required evidence, should be addressed prior to April 15 to: Dr. Walter W. Palmer, Chairman, Gibbs Prize Committee, Public Health Research Institute of the City of New York, William Hallock Park Laboratory, Foot of East 15th Street, New York 9, New York.

**Edwin J. Cohn**, chairman, Department of Physical Chemistry, Harvard Medical School, was named winner of the 1948 Theodore William Richards Medal. The formal presentation to Dr. Cohn will be made May 13 by the Northeastern Section of the American Chemical Society. Dr. Cohn is internationally known for his work in combating disease and shock through research in blood chemistry.

The American Academy of Arts and Sciences recently announced the latest recipients of the Rumford Medals. The 1945 gold medal goes to Edwin H. Land, president, Polaroid Corporation, for new applications in polarized light and photography. The 1947 medal was awarded to E. Newton

Harvey, of Princeton University, for his fundamental investigations of the nature of bioluminescence or "cold light." Due to wartime restrictions placed on scientific research, the making of these awards had been delayed.

**Hugh D. Miser**, geologist, U. S. Geological Survey, has been elected to honorary membership in the American Association of Petroleum Geologists, an honor achieved by only 30 geologists in the history of the Association. He will be presented with a certificate in recognition of his "distinguished service to the cause of petroleum geology" at the annual meeting to be held in Denver, Colorado, on April 27.

The Washington Academy of Sciences recently presented its Awards for Scientific Achievement for 1947 to Robert D. Huntoon, of the National Bureau of Standards, and to Harry W. Wells, of the Carnegie Institution of Washington. Dr. Huntoon was cited for his distinguished service in the advancement of electronics, and Dr. Wells was honored for his work in upper-air research and organization of the world-wide network of ionosphere stations.

**B. R. Burmester**, of the Regional Poultry Research Laboratory, U. S. Department of Agriculture, East Lansing, Michigan, has received from the Michigan State College Chapter of Sigma Xi the 1948 Junior Award for Meritorious Research. Following presentation of the award on February 16, Dr. Burmester spoke on "Research in Avian Lymphomatosis."

**George Oenslager**, who was associated with the B. F. Goodrich Company, Akron, for 30 years prior to his retirement in 1942, has been awarded the first Charles Goodyear Medal of the Division of Rubber Chemistry of the American Chemical Society. The award, established this year to honor rubber chemists for outstanding achievements, goes to Dr. Oenslager for his pioneer research which led to a great reduction in price and increase in life of tires and other vulcanized rubber products. Among the developments for which he was responsible were organic accelerators, chemicals

which, when added to inexpensive, low-grade rubbers, speeded up the vulcanization process. He also contributed largely to the introduction of carbon black as a reinforcing agent, thus adding to the resistance of tire treads.

Duplicates of the medal will be given to three chemists chosen by the Division to deliver Goodyear Memorial Lectures in previous years: **Lorin B. Sebrell**, Goodyear Tire and Rubber Company; **Waldo L. Semon**, B. F. Goodrich Company; and **Ira Williams**, J. M. Huber Corporation. All will receive these medals at a dinner in Chicago, April 22, during the 113th national meeting of the ACS.

## Colleges and Universities

Establishment of the **George Cyril Graves Lectureship** has just been announced by the Physiology Department, Indiana University Medical School. The first course of lectures will be offered in the Business School Auditorium on the Bloomington Campus, May 4, 6, and 7, and the lecturer will be Philip Bard, professor of physiology and director of the Department of Physiology, The Johns Hopkins University School of Medicine. Dr. Bard, speaking on "Brain Mechanisms and Emotional Behavior in Animals," will present the following three lectures: May 4, "Subcortical Mechanisms for Expressions of Anger and Fear"; May 6, "The Suppression of Rage Reactions by the Forebrain"; May 7, "Some Neurophysiological Aspects of Sexual Behavior." All interested persons are cordially invited to attend.

The New York University College of Medicine has inaugurated a campaign to raise \$250,000 for the creation of the "Wallace Laboratories" for research in pharmacology at the NYU-Bellevue Medical Center, in honor of the late George Barclay Wallace, founder of NYU's Department of Pharmacology, who died in January.

The University of Pittsburgh recently made public the merger of the Pittsburgh College of Pharmacy, long an affiliate school, with the University. With the merger the College became the University of Pittsburgh School of Pharmacy.

**Northwestern University Medical School** is planning a 5-day series of televised programs showing both surgical procedures and clinical demonstrations for the American Medical Association convention in Chicago, June 21-25. The managing committee, consisting of Walter Carroll, Stuart Abel, and Henry E. Wilson, Jr., all of Northwestern's medical faculty, announced that the program is the first of such magnitude using video methods in medical education at the convention level. Approximately 1,500 observers may witness a procedure simultaneously before the various small and large receiving sets to be arranged.

The television program has been planned to demonstrate not only the latest advances in clinical and surgical procedures but also common medical problems. Northwestern is scheduling television demonstrations of various obstetrical and gynecological procedures including a Caesarian section, the "blue baby" operation, early skin grafting in severe burns, gastric resection, hand surgery, and chest surgery. In addition, the video camera will reproduce a wide range of clinical material in the fields of internal medicine, orthopedics, cancer, dermatology, endocrinology, and neurology together with a demonstration concerning peripheral nerve injuries.

## Summer Programs

A course in vertebrate field zoology will be offered by the Department of Zoology, University of Texas, from June 2 to July 13. This course will be taught by the camp method in the Sierra Vieja Range of Trans-Pecos, Texas, by W. Frank Blair. Field work will involve ecological surveys, collection and identification of vertebrate specimens, and application of methods of measuring vertebrate population densities, and a wide range of independent effort will be permissible. The course is open to male advanced undergraduate and graduate students in the biological sciences.

Most ecological associations characteristic of the basin and range physiography in western Texas are readily available in the region. Major communities include lechuguilla desert, creosote-bush desert, yucca-grass

plains, short-grass plains, thorny brush communities, grama-grass mountain meadows, deciduous forest of mountain streams, and juniper-covered mountain slopes.

Enrollment in the first semester of the University Summer Session and payment of a special laboratory fee of \$40 are required. Further information may be obtained from Prof. Blair.

**Opportunities for biological work** are being offered to independent investigators and graduate students by the Highlands Biological Laboratory, Highlands, North Carolina, which is holding its 18th session June 1-September 1. This summer stipends from 5 different research fellowship funds are available to biologists of southern colleges and universities, particular consideration being given to applications of talented graduate students who need financial assistance in order to study and do research at a field station. Application blanks and further details may be obtained prior to April 15 from the resident director, Prof. Thelma Howell, Wesleyan College, Macon, Georgia.

## Meetings

The 58th annual meeting of the **Nebraska Academy of Sciences** will be held at the University of Nebraska, Lincoln, on April 30 and May 1, according to an announcement received from D. M. Pace, president of the Academy. The meeting will take the form of section sessions at which reports of original research will be presented by members and their guests.

In addition to President Pace, the current officers of the academy are: Victor E. Levine, Creighton University, vice-president; C. B. Schultz, University of Nebraska, secretary; H. L. Weaver, University of Nebraska, recording secretary; C. E. Rosenquist, University of Nebraska, treasurer; and C. E. Georgi and W. F. Weiland, University of Nebraska, and J. S. Latta, College of Medicine, University of Nebraska, councilors.

Chairmen of the sections and affiliated societies taking part in the annual meeting are as follows: Agricultural Sciences, I. L. Hathaway, University

of Nebraska; Anthropology, Jesse D. Jennings, National Park Service, Omaha; Biology and Medical Sciences, D. D. Miller, University of Nebraska; Chemistry, Engineering, and Physics, Theodore Jorgensen, University of Nebraska; Earth Science, H. F. Rhoades, University of Nebraska; History of Science, T. J. Fitzpatrick, University of Nebraska; Junior Academy, Julius D. Young, Lincoln High School; Mathematics, H. M. Cox, University of Nebraska; National Council of Teachers of Mathematics, Grace McMahon, Lincoln High School; Nebraska Council of Geography Teachers, Robert Anstey, University of Nebraska; Nebraska Science Teachers Association, Allen M. Baker, Norfolk Junior College; and Social Sciences, C. M. Elliott, University of Nebraska. R. W. Darland, University of Nebraska, is program chairman for the meeting.

The **Indiana Academy of Science** is holding its annual spring meeting May 14-15 at the Shades State Park, Waveland, Indiana. Field trips will be made on May 15.

A **Conference on Hemoglobin** is to be held in Cambridge, England, June 15-18, in memory of the late Joseph Barcroft. According to F. J. W. Roughton, professor of colloid science at the University of Cambridge, the first morning will be devoted to biographical tributes, the remaining 5 sessions consisting of specialized conferences on various research aspects of hemoglobin and related subjects. It is expected that many scientists from different parts of the world will be able to attend and that papers presented at this meeting will in due course be published as a Memorial Symposium. Those interested in attending should write directly to Dr. Roughton.

A **Conference on the Physics of Metals** will be held in Amsterdam July 12-18 under the auspices of the Netherlands Physical Society and the Netherlands Committee of the International Union of Pure and Applied Physics. The principal topics will be: electronic phenomena in metals, ferromagnetism, and plasticity and elasticity of metals. The following speak-

ers have been invited: Richard M. Bozorth, Bell Telephone Laboratories; Sir Lawrence Bragg, Cambridge; W. G. Burgers, Delft; H. Borelius, Stockholm; C. J. Gorter, Leyden; A. Guinier, Paris; R. Kronig, Delft; N. F. Mott, Bristol; L. Néel, Grenoble; Linus Pauling, California Institute of Technology; J. L. Snoek, Eindhoven; J. H. Van Vleck, Harvard University; and Clarence Zener, University of Chicago. Requests for information and hotel reservations should be addressed to Dr. J. Van Kranendonk, Secretary of Reception Committee, Van der Waals-Laboratorium, Nieuwe Achtergracht 129, Amsterdam C, Holland.

## NRC News

**George B. Pegram**, dean of the Graduate Faculties at Columbia University, has been named chairman of the NRC Committee on Patent Policy, succeeding the late Frederic W. Willard. Other members of the Committee are Bruce K. Brown, Conway P. Coe, Gano Dunn, Edward S. Mason, Archie M. Palmer, Lewis H. Weed, and Detlev W. Bronk, chairman of the NRC, ex officio.

The Committee is presently sponsoring a survey of the administration of the patentable results of scientific research in educational institutions and nonprofit research organizations, which is being conducted by Archie M. Palmer. The first report on the findings of the survey will be published in April under the title *Survey of university patent policies*. The report is organized in a series of analytical chapters dealing with patents and university research, the present situation and existing patent policies and procedures, practices with respect to patentable ideas and patents resulting from personal research, institutionally supported research, sponsored and cooperative research, medical patents, patent management procedures, the disposition of revenue received from patents and patent rights, and pertinent considerations in the formulation of a university patent policy.

Verbatim statements of 37 formalized patent policies are included as an appendix to the report, as well as an extensive list of source material references and a topical index. The report is obtainable from the NRC at

\$1.50 per copy, this charge being made to cover the cost of printing and mailing.

## Deaths

**Ralph H. Brown**, 50, professor of geography, University of Minnesota, and editor of the *Annals of the Association of American Geographers*, died suddenly February 23 in St. Paul, Minnesota. His recent book, *Historical geography of the United States*, was published a week before his untimely death.

**Alexander du Toit**, consulting geologist for De Beers Consolidated Mines, South Africa, from 1927 until his retirement in 1941, died on February 24. He had been president of both the Geological and Geographical Societies of South Africa and had received citations for his scientific achievements from the United States, Great Britain, Australia, and his own country.

**Leo G. Penn**, 68, instructor in the theory and practice of pharmacy at the School of Pharmacy, Temple University, for more than a quarter of a century, died March 22 at his Philadelphia home.

**Arthur Stewart Eve**, 85, former head of McGill University's Physics Department, died March 24, at his home in Surrey, England.

The New York Zoological Society has learned of the capture, by its Belgian Congo Expedition, of Africa's rarest bird, the so-called Congo peacock, or Afropavo. The bird, whose existence was unknown 12 years ago, is the size of the familiar ring-necked pheasant, with bronzy-green-gold and brown feathers. The Expedition hopes to acquire more specimens of Afropavo from its base in Bongena, Stanleyville Province, together with the group of pangolins, hornbills, duiker antelopes, *Colobus* monkeys, and other strange captives it is now assembling in its "Zoo-in-Africa."

**Correction:** It has been called to our attention that the item on National

Institute of Health Fellowships for training research personnel in tissue culture (*Science*, February 20, p. 185) should be clarified with respect to the following two points: (1) Eligibility for these fellowships is not limited to individuals connected with the Tissue Culture Commission but may apply to any properly qualified research worker. (2) Tissue culture research in the field of cancer is especially welcome, but the projects offered need not be limited to this area.

## Make Plans for—

**American Geophysical Union**, 29th annual meeting, April 21–23, Washington, D. C.

**American Association of Anatomists**, April 21–23, Hotel Lorraine, Madison, Wisconsin.

**Society for the Advancement of Education, Inc.**, April 24, 15 Amsterdam Avenue, New York City.

**American Ceramic Society**, April 25–30, Palmer House, Chicago, Illinois.

**National Academy of Sciences**, April 26–28, 2101 Constitution Avenue, Washington, D. C.

**American Association of Petroleum Geologists**, April 26–29, Shirley-Savoy Hotel, Denver, Colorado.

**American Physical Society**, April 29–May 1, Washington, D. C.

**American Institute of Chemists**, annual meeting, May 7 (changed from May 8), New York City.

**Fourth International Congresses on Tropical Medicine and Malaria**, May 10–18, Department of State Auditorium, Washington, D. C.

**First International Poliomyelitis Conference**, July 12–17, Waldorf-Astoria Hotel, New York City.

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**AAAS**  
**Centennial Celebration**  
**Washington, D. C.**  
**September 13–17, 1948**  
★ ————— ★