It was the contention of Prof. Cockerell that he was merely an amateur botanist, that his professional work was zoological. However, the many evidences of his zeal for botany and the range of his interest in this field leave little doubt that it continued to hold an important place in his interests, even though he was able to do research in it only from time to time. Among his botanical contributions were a number of descriptions of new plants from New Mexico, a revision of the genus Hymenoxys, studies of the wild roses, including fossil forms discovered at Florissant, paleobotanical studies involving other plants, and his floricultural achievement in developing the red sunflowernow widely known over the globe-from a single wild plant discovered by Mrs. Cockerell.

Yet in spite of his preoccupation with entomology, conchology, and botany, not to mention other responsibilities, he still found time for research in additional fields. His studies of fish scales as an aid in the classification of the fishes won the attention of ichthyologists, and he concerned himself with other problems that lay beyond the scope of his principal interests. In 1904 he became a reviewer for the Chicago "Dial" and for a number of years discussed books over a wide range of topics.

It is impossible to write about Prof. Cockerell without emphasizing the part of Mrs. Cockerell in making his work a success. For nearly 50 years she shared his aspirations and was the intimate partner of his undertakings. She accompanied him on his field trips, whether these were made to nearby fossil localities like Florissant and Green River, or to distant parts of the world. She also took part in his scientific research, and several papers were the product of their joint authorship. On the lecture platform, too, they often appeared together to champion an issue or elucidate a problem in which they were jointly interested.

As one looks back over the career of Prof. Cockerell and tries to evaluate the qualities that enabled him to achieve so greatly, one must pay tribute, I think, not only to his keen mind, but in equal degree to his enterprise and devotion. He kept faith throughout the years with the subjects that interested him, turning his back on the smaller things that sidetrack the efforts of so many individuals and dedicating himself wholly to the attainment of goals worth while. But in this exclusiveness of effort he was never the closeted recluse. He had an inexhaustible interest not only in the depth and breadth of nature, but in his fellow man, exemplified in his cordial relations with his students, in correspondence with a host of co-workers and friends, and in cooperative acts without number.

HERBERT F. SCHWARZ The American Museum of Natural History

NEWS and Notes

James B. Fisk has resigned his position as director of the Division of Research, U. S. Atomic Energy Commission, to become professor of applied physics at Harvard University. Dr. in which he was engaged while an as-Fisk had been on leave from Harvard since his appointment with the AEC in for Medical Research. January 1947.

of Foreign Agriculture Relations, vestigation, Sloan-Kettering Institute USDA, and the Department of Geog- for Cancer Research, has been named raphy, Johns Hopkins University, has research professor of medicine and been appointed a special fellow to head of the cancer research and constudy tropical soils and land use prac- trol units at Tufts College Medical tices in the Belgian Congo by the School. William H. Fishman, an-Belgian American Educational Foun- other new appointee at Tufts, will dation. Dr. Pendleton sailed August serve as research professor of bio-31 for the four months of field work chemistry and associate director and in the Congo. During this time his chief biochemist in the cancer units. address will be c/o U. S. Consul Dr. Fishman formerly served on the General, Leopoldvile, Belgian Congo. staff of the University of Chicago.

Edwin J. Hart, formerly a research chemist with the U.S. Rubber Com- Spaulding have joined the staff of the pany, recently joined the Chemistry American Institute for Laboratory as a senior chemist.

C. A. Knight recently accepted an appointment as as ociate professor in the Virus Laboratory, Department of Biochemistry, University of California. Dr. Knight will continue his research on the chemistry of viruses sociate of the Rockefeller Institute

Freddy Homburger, former head Robert L. Pendleton, of the Office of the Department of Clinical In-

Elmer D. West and Geraldine Research, Division of the Argonne National Pittsburgh, Pennsylvania. Dr. West was formerly associate professor of psychology at the University of New Hampshire, while Miss Spaulding served as editor, National Teachers Project, Educational Examination Testing Service.

> Robert Howland Denison, assistant curator at Dartmouth College Museum, was recently appointed curator of fossil fishes in the Department of Geology, Chicago Natural History Museum. Dr. Denison spent the year 1947-48 as a member of the University of California African Expedition.

Nathaniel C. Fick has been named deputy executive director of the Committee on Basic Physical Sciences, Research and Development Board. Mr. Fick was formerly as ociated with the Battelle Memorial Institute as a metallurgist.

L. H. Tejada-Flores, currently lecturing on electrical engineering at the University of Southern California, has assistant professor, and Dr. Davidson, agronomic fellowship. Dr. Tejada-Flores' work on dielectric recovery will be carried on under Gilbert D. McCann and Royal W. Sorensen, of the CalTech Electrical Engineering Department.

Ivan N. Mensh, formerly a USPHS Clinical Fellow at Northwestern University, has joined the staff of the Department of Neuropsychiatry, Washington University School of Medicine, St. Louis.

F. William Sunderman, formerly professor of clinical pathology and director of the Laboratory of Clinical Medicine, Temple University Medical School, has been appointed head of the Department of Clinical Pathology at the Cleveland Clinic Foundation.

a Corresponding Member of the In-Phytohistorical Committee of the International Union of Biological Sci-

Harold Vagtborg recently resigned Grants and Awards the position of president and director, Midwest Research Institute, Kansas City, Missouri, to accept a corresponding position with the Southwest Research Institute of Houston, Texas. Dr. Vagtborg is also serving as director of the Institute of Inventive Research and the Foundation of Applied Research, as well as technical director of the Essar Ranch. George E. Ziegler, executive scientist of Midwest Research Institute, is assuming that organization until Dr. Vagtborg's successor is named.

Elizabeth E. Powelson, of Middletown, New York, has been named instructor in the Department of Biology, Hood College, Frederick, Maryland.

F. Davidson recently joined the staff Iowa State, received the award for owner of the Barnes-Hind Laboraof the Department of Botany, Univer- outstanding research work in soils, tories, was cited for his skillful resity of Nebraska. Dr. Lommasson, and Dr. Myers, for his work in crops search on methods for preparing drug former instructor of botany at the research. The Stevenson Awards, the solutions for use in the eye. In this University of Iowa, has been appointed purpose of which is to encourage work, Mr. Hind was aided by Frank

University herbarium.

Raj Chandra Bose, former head of the graduate Department of Statistics, at North Carolina.

Biology at Nebraska Wesleyan University, Lincoln.

Edward H. Glass, formerly entomologist with the Virginia Polytechnic Institute for Medical Research of Frans Verdoorn, managing editor Institute and the Virginia Agriculof Chronica Botanica, has been elected tural Experiment Station, was recently appointed associate professor of entoternational Academy for the History mology at the New York State Agriof Science in Paris, and chairman of cultural Experiment Station, Geneva. the newly-established International In his new work, Dr. Glass will deal primarily with insect pests of fruit

Research in soils and plant nutrition will be undertaken by the Department of Agronomy, Utah State Agricultural College, under an annual grant of \$1,200 recently established by fining Company. The research will particularly emphasize zinc, manganese, and iron deficiencies which are important in the Great Basin area.

J. B. Peterson, head of the Agronthe administrative responsibilities of omy Department, Purdue University, and W. M. Myers, of the Regional University of California College of Robert C. Lommasson and John formerly on the agronomy staff at Hind, a practicing pharmacist and co-

research, particularly been named for postdoctorate research former instructor at the University of among younger members of the Sowork under a John Simon Guggenheim California, has been appointed as-ciety, were made possible through a Memorial Foundation Latin-American sistant professor and curator of the gift of W. H. Stevenson, of the Iowa Agricultural Experiment Station, and his wife.

> Gerty T. Cori, professor of bio-University of Calcutta, will become chemistry in the Washington Univerprofessor of mathematical statistics sity School of Medicine, was the recent at the University of North Carolina recipient of the Francis P. Garvan beginning in the winter of 1949. Prof. Medal honoring women in chemistry. Bose had recently served as visiting Dr. Cori, sole woman Nobel Prize winprofessor in the Institute of Statistics ner, received the gold medal during the recent Eastern Session of the 114th national meeting of the American S. B. Shiveley, formerly professor Chemical Society held in Washington, of botany at the state teachers college D. C. Dr. Cori was cited for her at Superior, Wisconsin, has been ap- varied and extensive research in biopointed head of the Department of chemistry, particularly on carbohydrate metabolism and enzymatic reactions.

> > Harry Goldblatt, director of the Cedars of Lebanon Hospital, Los Angeles, California, is the 1948 recipient of the Charles Mickle Fellowship of the University of Toronto. This award is made to the member of the medical profession who is considered by the council of the faculty of medicine of the University to have done the most during the preceding 10 years in advancing sound knowledge of a practical kind in medical art or science. Dr. Goldblatt was honored for his research on the relationship of the kidney to arterial hypertension.

The American Pharmaceutical Asthe U. S. Smelting, Mining and Re- sociation, at its recent annual convention in San Francisco, awarded the Kilmer Prize to Charles R. Chase, Jr., of Stockton, California, and the 1948 Ebert Prize to Harry W. Hind, of the Barnes-Hind Laboratories, San Francisco.

Mr. Chase, a recent graduate of the Pasture Laboratory at Pennsylvania Pharmacy, received the Kilmer Prize, State College, were named first win- an inscribed gold key, for his system ners of the two \$500 Stevenson Awards of identifying botanical drugs by for outstanding agronomy research, at their fluorescent glow when exposed to the recent meeting of the American invisible, near-ultraviolet rays. As re-Society of Agronomy. Dr. Peterson, cipient of the Ebert Prize Medal, Mr. M. Goyan, assistant professor of chemcontribution to the investigations.

W. T. Salter, professor of pharmacology, Yale University School of the past 10 years."

Colleges and Universities

The University of California at Los Angeles has announced that preliminary studies are under way for a new Chemistry and Geology Building. The new structure, consisting of about 150,000 square feet, will include geological and chemical laboratories and libraries, together with 5 large lecture rooms. On completion of the new building, UCLA's present Chemistry Building will be remodeled as a Social Sciences Building. An appropriation of over \$5,000,000 has been made to cover erection of the new building and conversion of the present Chemistry Building.

chairman, Herbert L. Eastlick, has an- ment of Chemistry. nounced a group of staff additions which have just become effective. In society of the AAAS and a member the subdivision on wildlife manage of the Association of College Honor Northwestern University, Evanston); ment, Irven O. Buss, former chief of Societies, was established April 28, instructor.

tinue work on his doctorate.

istry at the College of Pharmacy, pleted his Ph.D. requirements at the out the United States. University of California. Dr. Goyan University of Illinois, has been apreceived an honorable mention for his pointed instructor in zoology and will also develop courses in ecology.

Medicine, was selected to receive the New York State Veterinary College, Center. One is the expansion of the first \$1,000 Iodine Educational Bureau Cornell University, presented a series Department of Radiology; the other, award. This award will be presented of lecture-demonstrations in physiology erection of a research wing to the to Dr. Salter at the next annual meet- for teachers of physiology or pharmaing of the Association, when he will cology during the week of July 5-10. Children. The former will add 5,600 present a review paper on his investi- Thirty-six persons representing 27 gations. Dr. Salter was recognized U.S. and Canadian colleges and uni- partment, provision being made to for his "long and continued basic re- versities attended the sessions, which employ the latest safeguards for use search relating either directly or in- included many demonstrations on the of radioactive materials and X-rays. directly to iodine, and his impressive blood, heart and circulation, urine secontributions of more than 30 publi- cretion, respiration, alimentary tract, allocated several hundred thousand cations on this general subject during nervous system, and muscular activity.

The Gamma Chapter of Alpha Epsilon Delta, national premedical honor society, has been installed at the University of Miami as the 47th chapter of that society. H. E. Setterfield, of the School of Medicine, Ohio State University, national president of the society, and Emmett B. Carmichael, of the Department of Biochemistry, Medical College of Alabama, national councilor of Alpha Epsilon Delta, conducted the initiation of the charter members with the assistance of W. H. Steinbach, former national president of the society and head of the Department of Chemistry at Miami, who is faculty adviser for cago. Lectures, scheduled for 8:00 the Florida chapter. Honorary members initiated at the installation were E. Morton Miller and Julian D. Cor-The Department of Zoology, State rington, of the Department of Zoology, College of Washington, through its and Harry P. Schultz, of the Depart-

Alpha Epsilon Delta, an affiliated wildlife research, Wisconsin Depart- 1926, at the University of Alabama. Jet Propulsion," J. T. Rettaliata, ment of Game, has been appointed pro- Its objective is to encourage excel- dean of the Division of Engineering, fessor, and Helmut K. Buechner, until lence in premedical scholarship, to Illinois Tech; December 1, "An Aprecently working on his Ph.D. at Okla- stimulate an appreciation of the im- plied Mathematician's View of the homa A & M College, has been named portance of premedical education in Problem of Elastic Stability," J. J. the study of medicine, to promote co- Stoker, professor of mathematics, In-In the subdivision on zoophysiology, operation and contact between medical stitute for Mathematics and Mechan-Morris Rockstein, NRC Fellow at the and premedical students and educa- ics, New York University; January 5, University of Minnesota, has been ap- tors in developing an adequate pro- "Evaluation of Brittle Coating as a pointed professor, and Verner L. gram of premedical education, and to Tool for Experimental Stress An-Johnson, formerly assistant professor bind together similarly interested stu- alysis," A. J. Durelli, research engiat Pacific Lutheran College, will as-dents. In the 22 years since its neer in mechanics, Armour Research sume the duties of instructor and con- founding, its total membership has Foundation; February 2, "Some Phe-

Robert Whittaker, who recently com- its 47 chapters have spread through-

The Indiana University Medical Center, Indianapolis, recently announced that two major construction The Department of Physiology, projects had been approved for the James Whitcomb Riley Hospital for square feet of floor space to the De-The latter, for which the state has dollars, will provide laboratories for research on children's diseases. grant of \$250,000 has been approved by the Riley Memorial Association in support of this research over a 5-year period.

> A Mechanics Colloquium has been planned by Illinois Institute of Technology to include a series of 8 monthly meetings for the coming academic year. Prominent eastern and midwestern scientists will speak before the Colloquium meetings, which are open to the public. All meetings, except that scheduled for October 6, will be held on the Illinois Tech Campus, 3300 South Federal Street, Chi-P.M., will be preceded by a dinner at 6:30 P.M.

The Colloquium schedule is as follows: October 6, "Interpretation of Service Fractures," R. E. Peterson, manager, Mechanics Division, Westinghouse Research Laboratories (lecture to be held in Technological Institute, November 3, "Latest Developments in increased to over 7,200 members and nomena of Nonsteady Flow," W. son and Steinman, New York City; niversary celebration. Strain Rate, and Strain Relations in achievements. the Plastic Range, Including an Analysis of Finite Homogeneous Meetings and Elections Strains," A. Nadai, consulting engineer, Westinghouse Research Laboratories.

Individuals desiring regular announcements of the Colloquium meetings are requested to notify R. L. Janes, Illinois Institute of Technology, Technology Center, Chicago 16, Illinois.

Industrial Laboratories

The world's largest X-ray de-September 13 by the General Electric X-Ray Corporation, Milwaukee, Wisconsin, as a permanent living tribute to William D. Coolidge, X-ray pioneer and director emeritus of the G-E Research Laboratory, Schenectady, New York. Known as "the father of the modern X-ray tube," Dr. Coolidge has been honored by 13 medals and 7 honorary degrees from scientific and educational organizations.

The new G-E laboratory, representing an expansion program begun over two years ago, includes the William D. Coolidge Laboratory together with expanded facilities formerly located in Chicago. The new units will provide for volume output and extensive experimental work for new X-ray applications in medicine and industry.

Speakers at the dedication ceremonies, held on the laboratory grounds, included, in addition to Dr. Coolidge, Arthur C. Christie, professor of clinical radiology at Georgetown University Medical School and chairman of the Committee on Radiology, NRC, Charles E. Wilson, president of the General Electric Company, and others.

dynamics Section, David Taylor Model first assignment, Dr. Hitchcock is dispeak on topics to be announced later. Basin, Washington, D. C.; March 2, recting the Westinghouse "Theater of "Bridges and Aerodynamics," D. B. Atoms," an atomic energy show for the October 6 session include: Steinman, consulting engineer, Robin- prepared for New York City's an- Charles Cameron, "Cancer Education N. C. Myklestad, professor of theoreti- years in research and lecture work, and Treatment of Tumors of Bone";

A Symposium on Polymer Chemistry in England, sponsored by the Institute of Polymer Research, Polytechnic Institute of Brooklyn, will be held in the Institute's Student Lounge, 99 Livingston Street, Brooklyn, on September 25, under the chairmanship of P. J. Flory, of Cornell University. Participants include E. K. Rideal, of the Royal Institution, London, whose topic will be "Surface Chemistry of Macromolecules'; R. G. W. Norrish, of the University of velopment laboratory was dedicated Cambridge, who will speak on "Low-Temperature Polymerization'; and G. B. B. M. Sutherland, also of the University of Cambridge, who will discuss "Infrared Investigation of Macromolecules."

A symposium on "Fundamental Properties of Protoplasm" will be held October 4-6 under the sponsorship of the Detroit Institute of Cancer Research. The symposium, marking the official opening and dedication of the Institute, will also provide its first annual scientific program. The first two days of the program will be "Genes and the Function of Proto- Jersey, is acting as secretary. plasm''; Robley D. Evans, "Quantitative Aspects of Radiation Carcino-The Westinghouse Research Lab- Plasma Lipoproteins"; and T. M. operative land management by Fedoratories have recently appointed Sonneborn, "Cellular Transformations eral, State, and private enterprise and Richard C. Hitchcock as science lec- and Their Physical Basis." Detlev will include a series of field trips to

Spannhake, research scientist, Hydro-turer for the Laboratories. As his W. Bronk and Carl F. Cori will also

Speakers on clinical topics scheduled Later, Dr. for the General Practitioner''; Brad-April 6, "Aircraft Flutter Problems," Hitchcock, who has spent over 30 ley L. Coley, "Advances in Diagnosis cal and applied mechanics, University will tour the country with special, Murray M. Copeland, "Benign Tumors of Illinois; and May 4, "Stress, popular shows of current scientific of the Female Breast"; Stuart W. Harrington, "Cancer of the Breast"; and Thomas E. Jones, "Cancer of the Rectum and Rectosigmoid."

Scientists interested in fundamental research and its relation to the problem of malignant growth are cordially invited to attend the symposium. Further information may be obtained by writing William L. Simpson, Scientific Director, Detroit Institute of Cancer Research, 4811 John R Street, Detroit 1, Michigan.

The Society for Applied Spectroscopy recently announced its current schedule of meetings to be held the first Tuesday of each month. Speakers and lecture titles for the forthcoming 5 meetings are as follows: October 5, Van Zandt Williams, "Developments in Infrared Absorption Spectrometry''; November 9, Lester W. Strock, title to be announced later; December 7, Wallace A. Brode, "Ultraviolet Absorption Spectroscopy''; January 4, speaker to be announced later; February 1, F. Nolan, "Fluorescence in the Field of Spectroscopy." Meetings will be held at the Lecture Hall, Old World Building, 63 Park Row, New York City, at 8:00 P.M.

E. K. Jaycox, of the Bell Telephone devoted to the fundamental sciences, Laboratories, Murray Hill, New Jerand the speakers will include: C. A. sey, is serving as chairman of the Baumann, "Dietary Aspects of the Society, and R. R. Hampton, of the Tumor Problem''; G. W. Beadle, U. S. Rubber Company, Passaic, New

At the 67th annual meeting of the genesis in Humans''; W. O. Fenn, American Forestry Association, to 'Evidence for the Conversion of take place at Chattanooga, Tennessee, CO to CO, by Living Tissues"; Harry October 8-11, keynote speeches will be S. N. Greene, "The Biological As- made by Representative Clifford R. sessment of Tissue Potentialities"; Hope, of Kansas, and Gordon Clapp, Max A. Lauffer, "Hydrations of chairman of the Tennessee Valley Viruses and Proteins''; Karl Meyer, Authority. According to W. S. Rose-"Mucopolysaccharides and Mucolytic crans, president of the Association, Enzymes''; John L. Oncley, "Human the meeting will feature studies of coTVA projects and examples of pri- agencies, and industrial laboratories mond, died August 20 in Atlanta, vate forestry in the Tennessee Valley. throughout the United States.

Reservations for the meeting may be made through the office of the Association, 919 17th Street, N. W., Washington, D. C.

is holding its 33rd annual meeting at cal Sciences on W. D. Jones (London), Hotel Fort Shelby, Detroit, Michigan, Paul Schwarzkopf (Yonkers, New October 21-23. As usual, the meeting York), J. A. Hedvall (Göteborg, will be open to nonmembers of the Sweden), A. F. Joffe (Moscow), and Society, and all interested persons L. Neel (Grenoble, France). are invited to attend. The foremost manufacturers of optical instruments will exhibit their products during the meeting. An interesting and varied program has been planned, with leading authorities in the field of optics participating.

A group of Arkansas physicians American Heart Association organized an Arkansas Heart Association on July 16 of this year and elected the following officers: president, Joseph T. Roberts, dean of the University of Arkansas School of Medicine; vice-president, Driver Rowland, of Hot Springs Arkansas; secretarytreasurer, John E. Greutter, of Little Rock, Arkansas. This organization will operate in accord with the principles of the American Heart Association.

Officers of the Institute of Navigation for the academic year 1948-49 have been announced as follows: president, Rear Adm. G. G. McLintock, USMS, superintendent of the U.S. Merchant Marine Academy, Kings Point, Long Island; technical adviser to president, Paul Rosenberg, president of Paul Rosenberg Associates, New York City; executive secretary, Samuel Herrick, chairman of the Department of Astronomy, University of California, Los Angeles; treasurer, Keith F. Smith, of Los Angeles. A number of vice-presidents, regional vice-presidents, and chairmen of the Institute's National Committees were also elected.

The Institute is a nonprofit scien-

During the International Powder Metallurgy Conference, held at Graz, Austria, July 12-17, the Technische Hochshule of Graz conferred the The Optical Society of America honorary degree of Doctor of Techni-

Deaths

William E. Burge, 66, who was associated with the Department of fessor of mathematics and astronomy Physiology at the University of Illinois for many years, died March 28 at 22 in the Presbyterian Hospital, Newhis home in Indian River City, Florida. ark, New Jersey. In 1945 Dr. Pfister One of Dr. Burge's important fields of endowed the Pfister Fellowship Fund interested in the activities of the research was in catalase and metab- at Columbia. olism of various tissues.

> professor of plant pathology at the versity, died August 25 at the Univercultural College, and plant pathologist polioencephalitis. of the Vermont Agricultural Experiment Station, died July 20 following a heart attack.

Lloyd William Taylor, 55, professor and head of the Department of Physics, Oberlin College, since 1924, was killed in a fall on Mt. St. Helens, Washington, August 8. Dr. Taylor had also served as a former associate editor of Review of Scientific Instruments, Journal of the Optical Society of America, and American Physics Teacher.

Robert M. Grey, 87, superintendent emeritus of the Atkins Garden and Research Laboratory, Harvard University, died August 13 following a long illness in Central Soledad, Cienfuegos, Cuba.

Scott B. Lilly, 63, chairman of the Division of Engineering, Swarthmore College, died August 19 in Philadelphia, Pennsylvania.

sities, military services, government government at the University of Rich- neurology.

Samuel W. J. Smith, 77, professor emeritus of physics and former dean of the faculty of science at the University of Birmingham, died August 20 in London, England.

Clell Lee Metcalf, 60, head of the Department of Entomology at the University of Illinois, died August 21 in Urbana. Dr. Metcalf had been on leave of absence for 2 years because of ill health.

Joseph C. Pfister, 81, former proat Columbia University, died August

Davis W. Beaumont, 31, assistant Benjamin F. Lutman, 68, emeritus professor of chemistry at Indiana Uni-University of Vermont and State Agri- sity Medical Center, Indianapolis, of

> William Ferdinand Meyer, 67, professor of astronomy at the University of California, died August 30 in Berkeley, California.

> Louis Berger, 52, professor of pathology and director and co-founder of the anticancer center at Laval University, died in Quebec, Canada, August 31.

> Sylvanus G. Morley, 65, internationally known archaeologist and author, and specialist in Maya hieroglyphic writing, died in Santa Fe, New Mexico, on September 2. Dr. Morley, director of the School of American Research and the Museum of New Mexico, had formerly served as an associate in the Division of Historical Research, Carnegie Institution of Washington, and directed its Chichen Itza project from 1924 to 1940.

Abraham Myerson, 66, noted neurologist, psychiatrist, and author, died Samuel Chiles Mitchell, 83, former in Boston September 3. Professor of tific and engineering society devoted president of the University of South clinical psychiatry, Harvard Medical to the advancement of navigation and Carolina, the Medical College of Vir- School, and director of research at related sciences and, as such, sponsors ginia, and Delaware College, now the Boston State Hospital, Dr. Myerson the coordination of study and research University of Delaware, and more was also on the staff of Tufts Mediin navigational problems in univer- recently, professor of history and cal School as professor emeritus of mathematical physics at CalTech for the past 27 years. Dr. Tolman was vice-chairman of NDRC, and following the war was scientific adviser to Bernard Baruch on the UN Atomic Energy Commission.

The Hayden Planetarium is presenting during September a vivid demonstration entitled "The 200-Inch Telescope" by which visitors may seemingly enjoy a night within the world's largest astronomical observatory itself. In this unusual setting, the lecturer will review the evolution kind.

to the scientists of the world is to be created in the Belgian Congo, according to a preliminary report released September 1 through Harlow Shapley, director of the Harvard College Observatory. The international character of the new institute, which will have an initial endowment of \$9,000,-000 and an additional annual subsidy of more than \$500,000, is emphasized through the recent appointment of Dr. Shapley, E. B. Worthington, English biologist, and A. Chevalier, French tors by the Belgian Government. The director of the new scientific foundation, which will naturally specialize on problems of the tropics, is Louis van den Berghe, professor at the Institute of Tropical Medicine in Antwerp and visiting professor of tropical medicine at Tulane University.

The purpose of IRSAC (Institute

mathematical physicist and wartime the tropical environment, human, zoo- the equator. Around Lake Kivu there adviser on the Manhattan Project, logical, and botanical. Several re- are extensive agriculture developdied September 5 at the Huntington search stations will be erected in the ments, with coffee, grain, pyrethrum, Memorial Hospital, Pasadena, Cali- next two years, the main one, most and cotton among the products. Dr. Tolman, dean of the probably, on the high plateau region Graduate School at the California In- between Lake Kivu and Lake Tan- new stitute of Technology, had served as ganyika. A second station will be Among the native tribes are the professor of physical chemistry and erected before the end of the current pygmies and the giants that live east year in the Province of the Equator, of Lake Kivu on the borders of Tannot far from the mouth of the Congo, and a third in southeastern Katanga. Also, two stations, one in the east and another in the west, are planned for seismologic and ionospheric measurements.

> Field work has been started, or will develop soon, on the lines of social and physical anthropology, climatology, nutrition, hydrobiology, geology, plant and animal ecology, and a party is in the field searching for a most suitable site for a high-altitude astronomical observatory.

IRSAC will provide fellowships and of telescopes with a discussion to fol- subsidies to the scientists established low on the comparative possibilities of in the Congo. Its aim is to coordi-Palomar Observatory's 200-inch Hale nate and inspire the various scientific reflector and Mount Wilson's 100- institutions and services there. It will inch reflector, the next largest of its have its own scientific and technical staff and will act as an agency of information for visiting scientists to A large new institute for general the Congo and provide them with mascientific research which will be open terial help and various facilities for their explorations' and researches. Work tables and other facilities will be kept at the disposal of Belgian and foreign scientific institutions in the different stations of IRSAC. It is planned that the institution will assemble an important and appropriate library at its main station. American scientific institutions that are able to contribute current and past publica-Costermansville, Belgian Congo.

> Dr. van den Berghe, the director of high mountainous region of the eastern Congo.

The Belgian Congo offers much fast new ships. virgin territory for explorations by scientists and affords also a wide vari- production is the F-86 (see cover), a ety of conditions, varying from moun- North American product powered by tains that rise above the tree line to a J-35 jet engine and featuring sweptthe equatorial jungles. In the high back wings and tail surfaces. The pour la Recherche Scientifique en plateaus in the regions of the Great plane has a maximum speed of 650 Afrique Centrale), according to the Lakes and the Kivu Mountains, Euro- miles an hour and a combat range of statement submitted by Dr. van den peans can live with comfort, even 1,000 miles.

Richard C. Tolman, 67, noted Berghe, is the fundamental study of though but a few degrees south of

The region is especially suited to researches in anthropology. ganyika. The Congo is also famous for its radium deposits, and it is one of the largest sources of uranium ores.

The president of the Board of Administrators of IRSAC is E. deBruyne, of the University of Ghent, who was formerly Minister of Colonies in the Belgian Government. Among the administrators are many of the most distinguished scientists and educators of Belgium, representing, among other fields, geology, biochemistry, astronomy, mining, engineering, ethnology, sociology, veterinary medicine, physics, agronomy, and paleontology.

Although no scientific journal will be maintained by IRSAC, a scientific report, with general subjects and abstracts of the papers of the members and guests of IRSAC published elsewhere, will appear annually and will be distributed widely among scientific institutions of the world.

Outstanding scientific and technological developments of the last 41 years of aviation will be displayed to the public on September 18, Air Force Day, at Bolling Air Force Base. Features of the large-scale show will include the arrival of a pilotless drone B-17 and its "mother" ship from Elgin Air Force Base in Florida; a tions should address them to IRSAC, display of guided missiles; many static exhibits which will draw attention to the work of the Air National Guard. botanist, to the Board of Administra- IRSAC, is already established at the Materiel Command, the Air Engi-Costermansville, on Lake Kivu in the neer, and the Air Surgeon; and a mock bombing raid on the Base with seasoned pilots at the controls of the

Speediest AF fighter plane now in