

News and Notes

Chemistry's Diamond Jubilee

FROM Labor Day, when the American Chemical Society opened its Diamond Jubilee Celebration by dedicating a bronze plaque at the site of the society's founding in Washington Square, New York, to September 14, when the International Union of Pure and Applied Chemistry and the National Bureau of Standards were fêted in Washington, D. C., more than 16,000 chemists and chemical engineers participated in the myriad activities of the first World Chemical Conclave.

The structure of proteins, the latest developments in antibiotics, and new ideas for conserving petroleum resources were reported in the 80 symposia sponsored by the ACS during the week of September 3, and in the 998 technical papers of the Twelfth International Congress of Pure and Applied Chemistry during the week of September 10.

At the general meeting of the ACS in Manhattan Center N. Howell Furman, president of the society and head of the Chemistry Department at Princeton, predicted intensified scientific attack on the secrets of life processes. He also presented the Priestley Medal, highest honor in American Chemistry, to E. J. Crane, editor of *Chemical Abstracts*, the key to the world's chemical literature. Co-chairmen of the Jubilee, Charles L. Parsons, past executive secretary of the society, and Marston T. Bogert, professor emeritus of Columbia University, were introduced by Roger Adams, of the University of Illinois. Alfred E. Driscoll, governor of New Jersey, gave the main address, entitled "Government in an Age of Science."

James Bryant Conant, of Harvard, peered into the future to predict that no atomic war would break out in the next 50 years. Dr. Conant spoke at a stirring Ceremonial Program in New York's 71st Regiment Armory, in which delegates of 40 foreign societies and 81 domestic organizations, in full academic regalia, presented scrolls of greeting to the American Chemical Society on its 75th Anniversary.

Vice President Alben W. Barkley delivered the main address at the Diamond Jubilee banquet, the social high light of the conclave, in the Waldorf-Astoria Hotel. His subject was "The Role of Chemistry in International Understanding." C. E. K. Mees, vice president in charge of research and development for the Eastman Kodak Company, completed the round of forecasts with a talk on "The View Ahead in Chemistry." Charles Allen Thomas, chairman of the board of directors of the ACS and president of Monsanto Chemical Company, was toastmaster.

September 4, the first day of issue of the ACS commemorative stamp, was celebrated with a public ceremony on the steps of the Main Post Office in New York. J. Allen Frear, Jr., Senator from Delaware, gave the main address. Dr. Furman, Osborne A. Pearson, assistant postmaster general, and Charles Horowitz,

deputy mayor of New York, took part in the program, over which Postmaster Albert Goldman presided.

Six Nobel prize-winning chemists who were taking part in the conclave were interviewed by the press in a conference moderated by Dr. Conant at conclave headquarters in the Statler Hotel. They concluded that four billion people—nearly twice the present population of the earth—could be fed with our available resources, if scientific methods now known were properly applied. Wendell M. Stanley and Peter J. W. Debye, of the U. S., Robert Robinson, of Great Britain, Adolf Butenandt, of Germany, Arne Tiselius, of Sweden, and Artturi I. Virtanen, of Finland, were the six chemists participating in the press conference.

The banquet of the Twelfth International Congress of Pure and Applied Chemistry was addressed by Dr. Conant as honorary chairman. Arthur B. Lamb, professor emeritus of Harvard, presided.

In addition to the technical papers on the congress program, four general lectures were given by Edgar William Richard Steacie, of McGill University; Venancio Deulofeu, of Buenos Aires University; Alexander Robertus Todd, of the University of Cambridge; and Kaj Ulrik Linderstrom-Lang, of Carlsberg Laboratory, Copenhagen.

A chemical clue to cancer was described by Francis Binkley, of the University of Utah College of Medicine, who was one of the many chemists who joined in the conclave's technical sessions on chemotherapy and the biochemistry of disease. Changes in enzymes may be responsible for cancerous proliferation, said Dr. Binkley, who reported evidence that enzymes can be altered genetically so that they may no longer do their normal job of controlling growth.

America's motor fuel supply can be increased by 14% without drilling an additional oil well or building an additional refinery, according to a report to the Division of Petroleum Chemistry of the ACS by B. R. Carney, of the Warren Petroleum Corporation, Tulsa, Okla. Methods have been developed by which nearly 150 million barrels of liquids a year could be condensed from available natural gas, and the most economical use of these liquids is as fuel for tractors, trucks, and buses. In these uses they would replace gasoline entirely, conserving a sizable portion of our vital petroleum supply "at the expense of our more plentiful and less valuable gas reserves."

Linus Pauling, of the University of California, reported to the Division of Polymer Chemistry new findings about the configuration of protein in muscle, hair, and hemoglobin which provide increased understanding of living matter and lay the foundation for important developments in medicine and nutrition.

An ion-exchange method for the clarification of drinking water that has been contaminated by an atom bomb attack was explained to the Division of Paint, Varnish and Plastics Chemistry by W. P. Uter-

mohlen and M. E. Gilwood, of the Permutit Company, New York. A report on the elimination of stream pollution in the paper industry was presented to the Division of Water, Sewage, and Sanitation Chemistry, and the effect of atmospheric ozone on rubber products was reported to the Division of Rubber Chemistry. The Section of the International Congress devoted to Air and Stream Pollution heard a description by two British chemists of a process for the removal of sulfur from flue gases.

A diet of meat and milk products from animals fed DDT-dusted alfalfa showed no harmful effects on laboratory animals, according to a report to the International Congress' Pesticides Section by a team of researchers from the Utah State Agricultural College. But S. W. Simmons, of the U. S. Public Health Service at Savannah, Ga., warned the ACS Division of Agricultural and Food Chemistry against the careless use of new insecticides, whose effects on human beings are not well understood.

Chemicals, newly discovered in trees, that can kill insects, fungi, and bacteria were described by Holger Erdtman, of the Royal Institute of Technology, Stockholm, to the Division of Cellulose Chemistry. Besides the prospect of new insecticides, the tree chemicals may help to preserve wood better, he said, adding that the discovery of the chemical pinosylvin in heartwood led to the development of the sulfate method for the manufacture of pulp. Many reports on advances in the various fields of chemistry were presented before others of the society's 20 divisions and the 16 sections of the International Congress.

At the meetings of the International Union of Pure and Applied Chemistry in Washington, D. C., which concluded the World Chemical Conclave, Arne Tiselius, of Sweden, was elected president of the Union, succeeding Dr. Kruyt. The New York meeting of the International Congress was the last general gathering of its type. In view of the size to which it has grown, the Council of the International Union has encouraged the individual sections of the congress to hold smaller meetings on specific fields of chemistry and to hold them every two years instead of every four.

WALTER J. MURPHY

American Chemical Society

Scientists in the News

Daniel E. Atkinson, of the Argonne Laboratories, Chicago, has accepted the position of assistant professor of biochemistry in the Department of Chemistry, University of California, Los Angeles, effective Jan. 1.

Lord Cherwell (Frederick Alexander Lindemann) was appointed to take charge of Britain's atomic research and production almost as soon as Winston Churchill's new cabinet took over. Lord Cherwell holds the cabinet post of Paymaster-General, and as such he will be responsible for supervising British atomic energy projects, including the operation of a number

of large production establishments, all of them major industrial enterprises.

Eugenie Clark, research associate of the American Museum of Natural History, recently returned from ten months' study of poisonous fish in the Red Sea, where she worked as a Fulbright scholar from a desert station on the northern Egyptian coast. Her collection of 300 species, three of them entirely new, was described by Lester Aronson, chairman of the museum's Department of Animal Behavior, as "adding materially to existing knowledge of poisonous fishes."

Lawrence V. Compton has been appointed chief of the Biology Division of the Soil Conservation Service, USDA. He succeeds **Edward H. Graham**, recently named assistant chief of the agency. Mr. Compton has been with the service since 1935, filling assignments in the southwestern and western gulf regions out of Albuquerque and Fort Worth, and as assistant chief of the biology division in Washington in 1946-47.

Haskell B. Curry, mathematician, of Pennsylvania State College, has recently returned from Europe where, as a Fulbright scholar, he served as visiting professor at the University of Louvain. In the course of his stay, he lectured before several mathematical groups, including the Faculté des Sciences of the University of Paris, the Mathematical Institute of the University of Goettingen, the universities of Rome and Turin, the University of Oslo, and the University of Cambridge.

Marcel J. Dallemagne, of the Experimental Therapeutic Institute, University of Liège, will be in the U. S. in January, and will participate in the Conference on Metabolic Interrelations at the University of Minnesota Jan. 7-8. Another visitor, who will take part in the Fifth Conference on Blood Clotting at Cornell Jan. 21-22, is **Paul A. Owren**, of the Rikshospitalet, Oslo. Both conferences will be sponsored by the Josiah Macy, Jr. Foundation.

Raymond O. Dart, who recently retired as director of the Armed Forces Institute of Pathology in Washington, D. C., is now directing the Red Cross blood procurement center for the Armed Forces in Beaumont, Texas. Dr. Dart will be assisted by **C. L. Williams**, formerly USPHS assistant surgeon general.

David M. Dennison, professor of physics at the University of Michigan, has been named 27th Henry Russel lecturer. The lectureship is awarded each year to the faculty member adjudged to have achieved the highest distinction in his chosen field of scholarship. The Board of Regents has committed the selection of the lecturer to the University's Research Club.

John E. Dobbin has been appointed director of the Cooperative Test Division, Educational Testing Service, Princeton, N. J. Mr. Dobbin has been ETS project director for the College Board examinations and the Mid-Century Committee on Outcomes in Elementary Education. He will continue to act as project director

of the latter and will supervise the construction and distribution of psychological and achievement examinations for schools and colleges.

As Distinguished Lecturer of the American Association of Petroleum Geologists, **Robert H. Dott**, director of the Oklahoma Geological Survey, toured the mid-continent from the Gulf to Alberta during October and November, discussing "The Stratigraphy of Oklahoma" before state, regional, and local geological societies, state surveys, and university departments of geology.

Gordon H. Ellis has resigned from the staff of the U. S. Plant, Soil and Nutrition Laboratory and the Biochemistry Department, Cornell University, to accept a position as head of the Chemical Department, United Cooperatives Laboratory, Ithaca, N. Y.

Richard Feinberg has been named executive vice president of Northern Illinois College of Optometry, Chicago. Dr. Feinberg was dean of the College of Optometry at Pacific University for three years, leaving that institution in September to become dean at Northern Illinois College.

William N. Fenton, for the past 12 years ethnologist on the staff of the Smithsonian Institution, has been named the first executive secretary of the Division of Anthropology and Psychology of the National Research Council.

After 50 years of service, **Arthur Fleming** has resigned as director of research and education in the Metropolitan-Vickers Electrical Co., Ltd. He will remain as a director in the firm and has also agreed to guide the research and educational activities of the group of electrical companies known as A.E.I., Ltd. His place in Metropolitan-Vickers will be taken by **C. Dannatt**, who has been with the Research Department nearly 30 years.

John J. Forbes, chief of the Health and Safety Division, U. S. Bureau of Mines, has been given a recess appointment as director of the bureau, succeeding **James Boyd**, resigned (*SCIENCE*, 114, 451 [1951]), Mr. Forbes has been concerned chiefly with problems of mine safety since he joined the staff of the bureau in 1915.

Gaylord P. Harnwell, chairman, Department of Physics, and director, Randal Morgan Laboratory of Physics, University of Pennsylvania, has been appointed chairman of the Committee on Ordnance of the Research and Development Board, Department of Defense. Dr. Harnwell has served with the RDB as a member of the Committee on Basic Physical Sciences and as chairman of that committee's Panel on Physics and Mathematics. He has been a member of the Committee on Ordnance for the past year. He has also been vice-chairman of the National Research Council's Committee on Undersea Warfare.

The Commonwealth Engineering Company of Ohio

has announced the appointment of **Leo J. Novak** as chief of its Biological Laboratory Division. Dr. Novak was formerly technical director of Ethicon Suture Laboratories.

L. E. Osborne, formerly vice president in charge of manufacturing in the Westinghouse Electric Corporation, has been named to the newly created post of executive vice president—defense products. **Tom Turner**, vice president in charge of labor relations, retains that post and also assumes the manufacturing responsibilities formerly assigned to Mr. Osborne. Mr. Turner's new title will be vice president in charge of manufacturing and labor relations.

The School of Medicine of the University of Pittsburgh has appointed **Robert A. Patton** associate professor in the newly formed Department of Clinical Science, where he will be in charge of psychophysiological investigations.

Roger L. Putnam, president of Package Machinery Co., of Springfield, Mass., has been named Economic Stabilization Administrator, succeeding **Eric Johnston**, resigned. Mr. Putnam, former mayor of Springfield, and a Fellow of the AAAS, is also Sole Trustee and Corporation Sole of the Lowell Observatory at Flagstaff, Ariz.

Hobart A. Reimann has resigned as Magee professor of medicine and head of the Department of Experimental Medicine of the Jefferson Medical College and Hospital.

The fifth annual Margaret Barclay Wilson Memorial Lecture, established by the Department of Physiology, Health and Hygiene of Hunter College as a tribute to the memory of its founder and first chairman, was held on Nov. 13. **Howard A. Rusk**, associate editor of the *New York Times*, chairman of the Health Resources Advisory Committee of the Office of Defense Mobilization, director of the Institute of Physical Medicine and Rehabilitation of New York University Bellevue Medical Center, and professor and chairman of the Department of Physical Medicine and Rehabilitation of New York University College of Medicine, spoke on "Crippled People in a Crippled World."

The John H. Potts Memorial Award of the Audio Engineering Society has been presented to **Hermon Hosmer Scott**, president of the Hermon Hosmer Scott Company of Cambridge, Mass., for outstanding achievements in the audio engineering field in the past year. The award was established in memory of one of the founders of the engineering organization. **F. Sumner Hall**, new vice president of the society, received the annual Audio Engineering Society Award.

Leland Shanor, Department of Botany, University of Illinois, has been appointed to a full professorship in the department. **John R. Laughnan** and **James F. Nance** have been promoted to associate professorships. Dr. Shanor holds a Guggenheim fellowship and is on sabbatical leave for the academic year.

Harlow Shapley, Paine professor of practical astronomy in Harvard University, will be freed of administrative duties next fall and will devote his time to an expanded research program in astronomy and to the teaching of science in Harvard College. Dr. Shapley will give a new half-course, provisionally entitled "Cosmography," in the General Education Program of Harvard College. A university statute provides for the automatic retirement of administrative officials at the age of 66. Dr. Shapley will retire as director of the Harvard College Observatory next summer, an administrative post he has held since 1921.

Caroline B. Sherman, recipient early this year of the Superior Service Award of the U. S. Department of Agriculture, has retired from the Bureau of Agricultural Economics. Miss Sherman has been with the bureau since its formation in 1922. Previously, she was with the Bureau of Markets.

Charles S. Stephenson (M.C., U.S.N., ret.) has been appointed scientific director of the Lasdon Foundation, Inc., a philanthropic enterprise whose purpose is "to promote, encourage, support or aid in medical research, technical and scientific work." Admiral Stephenson formerly was director of the Division of Preventive Medicine, Bureau of Medicine and Surgery, Navy Department. He organized and was the first director of the U. S. Typhus Commission.

Francis C. Todd has been named supervisor of a newly formed division of electronic physics at Battelle Memorial Institute. A member of the Battelle staff since 1942, Dr. Todd has been associated with much of the Institute's recent work on electronic mechanisms.

Education

Carnegie Institution of Washington has acquired, through funds presented by Albert F. Zahm, of Washington, D. C., the collection of primate and insectivore embryos made by Hans Bluntschli, of the University of Bern. The collection, which includes three species of shrews, two of lemurs, and several of American monkeys, was gathered on expeditions to Amazonia and Madagascar. It will be made available to qualified guest investigators at the Department of Embryology, Baltimore, Md.

Chicago Medical School has received the following gifts for the establishment of scholarships: \$14,000 from the Dave Hokin Foundation; \$10,000 from Samuel Briskin, chairman of the board, Revere Camera Company; and \$10,000 for the Barney Ets Hokin subsidiary scholarship, given by three officials of the International Rolling Mills Products Corporation. The school has also received USPHS funds for cancer research and for work on hemolytic anemia. White Laboratories, Inc., has underwritten the continuation of studies of a new digitalis derivative by Aldo A. Luisada, newly appointed program director of cardiology.

The **Communicable Disease Center** of the Public

Health Service will offer Laboratory Refresher Training Courses Jan. 1-May 23 and Sept. 2-Dec. 12. Full information and application forms may be obtained from the Chief, Laboratory Training Services, USPHS, P. O. Box 185, Chamblee, Ga.

Three Austrian and three Japanese educators are visiting Columbus and other Ohio cities observing school organization on both local and state levels. Julia Schemel, Salzburg; Helmut K. Stumfohl, Graz; and Ernst Breslach, Vienna, are secondary school teachers brought to the U. S. under provisions of the Fulbright Act; the visit of Eiki Yamamoto, Osaka Gakugei University, Jiro Shimura, Gumma University, and Tadao Watanabe, Yamaguchi University, was sponsored by the Far East Command Exchange of Persons Program for Japan.

Kansas State College will offer a new four-year curriculum in nuclear engineering next year. Only 16 hours of electives will be allowed by the pressure of technical training required. Other courses to be given next year for the first time include radio and television production and programming, insect toxicology, qualitative microanalysis, several courses in military science and tactics, and photogrammetry.

Among the inservice training courses to be offered by the **University of Michigan** School of Public Health this year will be one on The Acoustical Spectrum: Sound—Wanted and Unwanted, Feb. 5-8. Subjects that will be covered include behavior and measurement of sound, ultrasonics, mechanical vibration, biophysics of sound perception, the pathological and emotional effects of sound, and methods of sound control. Henry F. Vaughan is dean of the School of Public Health.

Among 100 persons who received Centennial Awards for the Northwest Territory from **Northwestern University** at its Centennial Convocation this week were four AAAS presidents: Roger Adams (retiring president, 1951), Anton J. Carlson (1944), Arthur H. Compton (1942), and Charles F. Kettering (1945). The recipients were honored for "the impress they have made upon their generation during a lifetime of distinguished service as residents of one of the states which comprised the original Northwest Territory." Other scientists recognized were Donald C. Balfour, B. Holly Broadbent, Vernon C. David, E. B. Fred, Henry T. Heald, Philip S. Hench, James B. Horrick, Percy L. Julian, Howard T. Karsner, Edward C. Kendall, William S. Middleton, Arthur E. Morgan, William F. Ogburn, Audrey A. Potter, L. L. Thurstone, Harold C. Urey, Ernest H. Volwiler, and Ralph Waters.

Polytechnic Institute of Brooklyn has made the following new appointments to the teaching staff of the Department of Chemistry: Herbert Morawetz, Rudolph Marcus, Gerald Oster, Robert Mesrobian, and Joseph Weininger.

Princeton University will receive a million dollars from the estate of Abram K. Wright, coal operator, of Clearfield, Pa., who never realized his life's ambition

to attend Princeton. Only condition placed on the bequest was that it be used for some purpose that would bear Mr. Wright's name.

Science Talent Searches are now under way in 25 states through a special arrangement with the Science Clubs of America, operating concurrently with the Annual Science Talent Search for the Westinghouse Science Scholarships. Academies of Science and other scientific groups who would like to have their state participate in the program should write for the *Report on State Science Talent Searches in 1951*, just released by Science Clubs of America, 1719 N St., N.W., Washington 6, D. C.

Grants and Fellowships

The **Maria Moors Cabot Prizes**, given annually by Columbia University since 1939 to journalists and newspapers for work toward the advancement of international friendship in the Western Hemisphere, were awarded last month to Elmano Cardim, of the *Jornal do Commercio*, Rio de Janeiro; Julio Garzon, of *La Prensa*, New York; Ramon David León, of *La Esfera*, Caracas; and Francisco Maria Nuñez, of *Diario de Costa Rica*, San José.

The Society for the Psychological Study of Social Issues, a division of the American Psychological Association, will present a **Civil Liberties Research Award**, consisting of a \$1,000 government bond, to the individual who submits the most promising plan for research in the field. The winner will be expected to carry through the proposed research soon afterwards. The award, made possible by a gift to the society from the Edward L. Bernays Foundation, will be made at the annual APA meeting next September. The committee of judges is composed of Hadley Cantril, Wayne Dennis, Franklin Fearing, *chairman* (University of California, Los Angeles), Ernest Hilgard, and Gardner Murphy.

The **Donner Canadian Foundation** has agreed to contribute \$20,400 annually for the support of the Laboratory of Experimental Neurochemistry at the Montreal Neurological Institute as long as neurochemistry continues to be a subject of investigation there. The laboratory, which is directed by K. A. C. Elliott, will henceforth be called the Donner Laboratory of Experimental Neurochemistry.

Faculty Fellowships for the academic year 1952-53 are again being offered by the Fund for the Advancement of Education to college teachers throughout the U. S. Candidates should be men and women between 30 and 45 who have been teaching steadily for several years, and they must be nominated by their institutions. Grants provide approximately the equivalent of the recipient's salary, plus certain essential expenses. College and university presidents can supply details of the plan.

Lists of foreign scholars in the natural and social sciences and the humanities who have received travel

grants under the 1951-52 **Fulbright Program** are now available and may be secured from the Committee on International Exchange of Persons, 2101 Constitution Ave., N.W., Washington 25, D. C. Many of these visitors would welcome invitations to visit other institutions, provided travel expense in the U. S. can be covered by colleges or universities inviting them.

Merck Postdoctoral Fellowships in the Natural Sciences for 1952-53 will be awarded as soon as possible after Mar. 1. They carry stipends ranging from \$3,000 to \$5,000, plus travel expenses, and are offered to U. S. citizens with training in chemistry or biology equivalent to that represented by a Ph.D. degree. Further information and application blanks (returnable before Jan. 15) may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Ave., Washington 25, D. C.

The **National Wildlife Federation** has established graduate fellowships in conservation and public relations at Cornell, the University of Oklahoma, and Long Beach State College. The student will follow a two-year program leading to a master's degree; he must hold an A.B. in biology from a recognized institution and plan to become a specialist in conservation public relations.

The **National Research Council of Canada** will award approximately 34 postdoctoral fellowships for research in pure chemistry and physics tenable in their laboratories in Ottawa, and 5 in biochemistry, microbiology, and related fields, tenable in the Prairie Regional Laboratory of the University of Saskatchewan, Saskatoon. For single fellows the stipend is \$2,820, and for married fellows \$3,300, plus traveling expenses for those coming from abroad. Applications must be made on special forms that may be secured from the secretary, Laboratories Awards Committee, NRC, Ottawa, Canada, or from the Chief Scientific Liaison Officer, NRC, Africa House, Kingsway, London, W. C. 2, Eng. There are no restrictions as to the nationality of the applicant.

The **David Sarnoff Fellowship** in electrical engineering has been established by Radio Corporation of America in the College of Engineering at New York University. Selection of the first fellow will be made in February 1952.

Applications for **Social Science Research Council** fellowships and grants must be filed not later than Jan. 15 for awards to be announced in April. Pre- and postdoctoral Research Training Fellowships, and Area Research Training Fellowships, are available for research workers in social science, and Travel Grants for Area Research, Grants-in-Aid of Research, and Faculty Research Fellowships (U. S. only) are offered to scholars of established competence to further their work. Inquiries, which should indicate age, academic status, vocational aims, nature of the proposed training or research, and the type of assistance desired, should be addressed at once to the council at 726 Jackson Place, N.W., Washington 6, D. C.

In the Laboratories

Abbott Laboratories has begun work on its new \$315,000 antibiotics finishing building in North Chicago, Ill. Completion is scheduled for spring 1952.

American Chemical Paint Company, of Ambler, Pa., has recently undertaken investigation and development of prepaint and final chemical treatments of metal surfaces under contract with the Office of the Quartermaster General. Harry Faigen is conducting the studies, which will include metal containers and equipment hardware.

Ames Laboratory, the new \$2,000,000 research building operated through the Institute for Atomic Research, has been completed by Iowa State College.

Kingan & Co., Indianapolis, has added three scientists to its research staff: M. C. Brockmann (bacteriologist); Ivan S. Meyers (veterinarian); and Carlos Mills (food technologist). Dr. Brockmann will become senior scientist, Mr. Meyers will work on new slaughtering techniques, and Mr. Mills on new products development and quality control.

Chas. Pfizer & Co., Inc., has elected John L. Powers, Jr., to a newly created vice presidency. He will assume responsibility for all foreign activities, including operations of Pfizer Canada, Ltd.; Laboratories Pfizer, S. A.; Pfizer International Corporation; and Pfizer, Ltd.

The **Retina Foundation**, established in April 1950, has been organized as a new basic research unit of the Massachusetts Eye and Ear Infirmary. The foundation, located at 30 Chambers St., Boston, includes laboratories for biochemistry, electron microscopy, tissue culture, and optics. The members of the staff are: Charles L. Schepens, director and ophthalmologist; E. A. Balazs, associate director and histochemist; Marie A. Jakus, biologist; and F. Wachendorf, physicist. The members of the Research Advisory Committee are T. Gundersen, *chairman*, P. Boeder, P. A. Chandler, W. J. Crozier, P. Heath, and B. Sachs. The Retina Foundation has received grants from USPHS, American Optical, the Kresge Foundation, the G. M. Hyams Fund, Inc., the Vivian B. Allen Foundation, the National Council to Combat Blindness, Inc., ONR, and the Committee of the Permanent Charity Fund, Inc. It is also supported by donations from interested individuals, and in its initial stages the work was supported by the Veterans Administration.

Southwest Research Institute, of San Antonio, has expanded its Physics Department by the addition of 13 engineers and physicists to its staff; the engineering mechanics division has also added 13 specialists to its staff.

E. R. Squibb & Sons has installed a radioisotope laboratory, which will be headed by Paul Numerof, chemist who worked at Los Alamos during World War II. The laboratory will function primarily as a service unit for other research departments.

Meetings and Elections

The **American Chemical Society** Division of Industrial and Engineering Chemistry has elected Melvin C. Molstad chairman, succeeding William Pardee; J. Henry Rushton was chosen chairman-elect, and C. J. Krister was re-elected secretary-treasurer. The Division of Fertilizer Chemistry elected Samuel F. Thornton chairman and Arnon L. Mehring chairman-elect; Jesse D. Romaine was chosen secretary-treasurer. J. Fred Wilkes was elected chairman of the Division of Water, Sewage and Sanitation Chemistry, succeeding J. J. Dwyer. Henry C. Marks was named vice chairman, and Thurston E. Larson, secretary-treasurer. Francis Scofield, research chemist for the National Paint, Varnish and Lacquer Association, Inc., was elected chairman of the Division of Paint, Varnish and Plastics Chemistry, succeeding E. E. McSweeney, supervisor of the Battelle Memorial Institute. Henry F. Payne, of the American Cyanamid Company, was re-elected secretary-treasurer. Glenn T. Seaborg, professor of chemistry at the University of California, was elected chairman of the Division of Physical and Inorganic Chemistry. He succeeds Milton Burton, of the University of Notre Dame. Franklin A. Long, professor of physical chemistry at Cornell, was chosen chairman-elect, and Joseph W. Kennedy, of Washington University, secretary-treasurer.

At its meeting on Oct. 23 the **Association of Consulting Chemists and Chemical Engineers** elected the following officers: President, Erwin Di Cyan; vice president, Earl D. Stewart; secretary, Wm. C. Bowden, Jr.; and treasurer, Foster Dee Snell. New councilors, elected for three years each, are Robert S. Aries, Elliot A. Haller, Hugo Klein, Clarence E. Mange, and Robert V. Siebel. Eleven councilors were held over.

The **Botanical Society of America** has elected Edgar Anderson, of the Missouri Botanic Garden and Washington University, president, and Bernard S. Meyer vice president; T. G. Yuncker, treasurer, and Harriet B. Creighton, secretary, will continue in office, and James Bonner was elected to the editorial board of the *American Journal of Botany*. The 1952 meeting of the society will be at Cornell University.

The **Southern Association of Science and Industry**, meeting at Wilson Dam, Ala., elected M. P. Etheredge president; H. R. Hanmer and A. B. Paterson vice presidents; George D. Palmer secretary; and Alva G. Maxwell treasurer. Elected to the newly created position of chairman of the 90-member Board of Trustees is Lloyd C. Bird, who served as chairman of the SASI long-range planning committee in its early years. Sidney D. Kirkpatrick was elected honorary trustee, an honor annually conferred on one non-Southerner. SASI awards for distinguished service to Southern industry and science went to E. W. Palmer, president of the Kingsport Press, and Paul M. Gross, president of the Oak Ridge Institute of Nuclear Studies and a member of the Board of Directors of the National Science Foundation.