

Details of the observations and also of the apparatus will be published elsewhere.

A widely applicable method has been developed for high-energy irradiation of cell parts by use of proton microbeams with diameters as small as  $2.5\mu$ . In mitotic cells of newt heart cultures, a few dozen protons to chromosomes produce severe aberrations, whereas a few thousand to cytoplasm, spindle, or centriolar region are without detectable effect. Some of these types of chromosome aberrations are readily localized and help in the study of certain aspects of mitotic movement.

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# News and Notes

## Southern Society of Cancer Cytology

JANUARY 28th marked the second meeting of the Southern Society of Cancer Cytology, the inaugural meeting having taken place in Miami last November during the Southern Medical Association meeting. The 88 members in this group represent 13 of the southern states and the District of Columbia, and include many leading clinicians, cytologists, pathologists, and researchers, all having a special interest in cancer cytology.

The aims of the organization, as set forth in the by-laws, are as follows:

1. To stimulate the development of standards of nomenclature, cell classification, techniques, education, etc.
2. To stimulate research, both practical and theoretical, on problems related to cancer.
3. To stimulate education in cancer cytology.
4. To provide a forum for discussion of cytological problems.
5. To promote sound statistical studies based on uniform and standard methods.
6. To act as a regional advisory group covering the aforementioned objectives.

Honorary members of the society include the following: Emil Novak, Herbert F. Traut, Charles Read, Wilton R. Earle, Edgar R. Pund, and Robert Chambers.

The following officers were elected to serve for two years from the date of the inaugural meeting: president, F. Bayard Carter; vice president, M. Y. Dabney; secretary, J. Ernest Ayre; treasurer, Joseph K. Cline.

This new society is organized around three councils and two committees, which include:

**Pathology Advisory Council:** C. C. Erickson, chairman, associate director, Institute of Pathology, University of Tennessee; Virgil H. Moon, professor of pathology, University of Miami; J. M. Blumberg, pathologist, Walter Reed Army Hospital, Washing-

ton, D. C.; Paul Kimmelstiel, pathologist, Charlotte Memorial Hospital, Charlotte, N. C.

**Clinical Advisory Council:** F. Bayard Carter, chairman, head, Department of Obstetrics and Gynecology, Duke University, Durham, N. C.; Ralph W. Jack, Miami, Florida; M. Y. Dabney, editor, *Southern Medical Journal*; John E. Dunn, chief, Field Investigation Center Cancer Control Branch, National Cancer Institute; R. W. TeLinde, Johns Hopkins Hospital, Baltimore, Md.

**Cytology Advisory Council:** J. Ernest Ayre, chairman, director, Dade County Cancer Institute, Miami, Florida; Robert E. Seibels, Columbia, South Carolina; H. E. Nieburgs, Department of Clinical Cytology, Medical College of Georgia, Augusta; L. I. Platt, Washington, D. C.; E. E. Siegler, U. S. Public Health Service, Memphis, Tenn.

**Research Advisory Committee:** J. K. Cline, chairman, director of cancer research, Medical College of Alabama, Birmingham.

**Educational Advisory Committee:** Homer L. Pearson, chairman, Miami, Fla.; Jay F. W. Pearson, president, University of Miami, Fla.; Chauncey Leake, vice president, University of Texas Medical Branch.

This group is planning to hold the first scientific session at Atlanta, Ga., in November of this year, simultaneously with the sessions of the Southern Medical Association. Application is being made by this society to cooperate in establishing a Section on Cytology of the Southern Medical Association.

Regular membership in the society is open to physicians, scientists and other research workers, interested in the furthering of cytology, and associate membership is open to technicians in the field. The territorial scope of the Southern Society of Cancer Cytology includes the states covered by the Southern Medical Association.

J. ERNEST AYRE

Dade County Cancer Institute, Miami, Florida

## Scientists in the News

**Erwin H. Ackerknecht**, professor of the history of medicine, University of Wisconsin Medical School, has been awarded the William H. Welch Medal of the American Association of the History of Medicine, for work in the field of medical history.

**R. A. Alexander**, director of Veterinary Services for the Union of South Africa, has arrived in Washington, D. C., at the invitation of the U. S. Department of Agriculture, to assist in a study of the sheep disease known as blue-tongue. Dr. Alexander will make field investigations in California, Texas and Utah, the states in which symptoms of the disease have been reported.

**C. C. Carpenter**, dean of the Bowman Gray School of Medicine of Wake Forest College, N. C., has been awarded a Fulbright visiting professorship in pathology for a nine months' lecture series in Cairo, Egypt. He will lecture at the Ibrahim Pasha University Medical School and the medical college of the University of Cairo.

**Earl S. Ebers**, formerly sales manager of Kralastic and Vibrin resins, Nugatuck Chemical Division, United States Rubber Company, has been named director of research and development of the division, to replace **M. G. Shepard**, who has retired. **Lorin Schoene**, formerly manager of plastics development, was appointed assistant director of research and development.

**John F. Enders**, associate professor of bacteriology at Harvard Medical School, will receive the 1953 Passano Foundation Award in recognition of work on the culturing of poliomyelitis viruses in tissue.

**Richard B. Goldschmidt**, geneticist and emeritus professor of zoology on the Berkeley campus of the University of California, recently received two science honors from Free Germany on the occasion of his 75th birthday. Dr. Goldschmidt was made an honorary member of the German Zoological Society, and received an honorary degree of Doctor of Natural Sciences from the Free University of Berlin. He was director of the Kaiser Wilhelm Institute for 15 years before coming to this country in 1936.

**Emmette F. Izard**, of the Du Pont Company, Buffalo, N. Y., has won the 1953 Jacob F. Schoellkopf Medal of the American Chemical Society's Western New York Section. Dr. Izard was cited for his discovery of polyethylene terephthalate—a material also discovered independently by **J. R. Whinfield**, of the British Calico Printers Association—and for contributions to the development of a process for converting it into finished fibers and films.

**J. Lanjouw**, director of the Botanical Museum of the University of Utrecht, and secretary of the newly established International Association of Plant Taxonomists, has arrived in the U.S. to visit several

botanical museums. Dr. Lanjouw will consult with colleagues about the program of the International Bureau of Plant Taxonomy and Nomenclature, particularly in connection with nomenclature sessions of the Eighth International Botanical Congress, to be held in Paris in 1954. He will also lecture on the vegetation of Surinam at several American universities.

**Gillie A. Larew**, dean of Randolph-Macon Woman's College, will retire at the end of the summer after more than 50 years' association with the college as student, faculty member in the Department of Mathematics, and dean.

**B. D. McDaniel**, of the Nuclear Physics Department, Cornell University, has arrived in Canberra, where he will join the Nuclear Physics Department of the Australian National University. He is on a Fulbright Fellowship, and will be in Australia nearly a year.

**Raymond W. McNamee**, superintendent of the Research and Development Department of the Carbide and Carbon Chemicals Company, South Charleston, W. Va., has been chosen by the American Chemical Society's Georgia Section to receive the 1953 Herty Medal, given for contributions to chemistry in the Southeast.

**Glenn A. Noble**, head of the Department of Biology, California State Polytechnic College, San Luis Obispo, Calif., has been selected by the Board of Foreign Scholarships to receive a Fulbright award. Dr. Noble will leave at the end of the spring quarter for Manila, where he will lecture in veterinary parasitology at the University of the Philippines.

**Eugene P. Pendergrass**, head of the Department of Radiology, University of Pennsylvania School of Medicine, received the fifth annual award of the American Cancer Society for service in the field of cancer control. Dr. Pendergrass was honored for research in radiology, and for diagnosis of deep-seated cancer by means of x-ray.

**A. C. Smith**, Smithsonian Institution botanist, will collect plants in the Fiji Islands during the next nine months. This will be Dr. Smith's third Fijian expedition, his first and second trips having been made for the Arnold Arboretum of Harvard University in 1933 and 1947. Aside from their intrinsic botanical interest, Fijian plants are indicators of ancient land connections in the South Pacific.

**Edward Teller**, professor of physics at the University of Chicago, has been appointed professor of physics, University of California, Berkeley, effective July 1. Dr. Teller is now on leave of absence, working in the Radiation Laboratory at Berkeley, and will continue part-time in such work.

**W. L. Waterhouse** has received the James Cook Medal of the Royal Society of New South Wales, an award made for contributions to science and human welfare in and for the Southern Hemisphere.

## Education

Two special institutes for teachers of college and high school physics will be conducted at the **University of Minnesota** during the first summer session, June 15–July 17. The high school teachers' institute will be divided into four phases: demonstration lectures in classical physics—basic concepts and principles; an introduction to present-day physics research through lectures and visits to university and industrial laboratories in the Twin Cities; discussions on the relation of physics to other sciences such as botany and zoology; and joint meetings with the college teachers to talk over coordination with college physics. The institute for college physics teachers has been designed to bring participants in close touch with current research at the university and elsewhere. Lecturers and their subjects will be: J. H. Williams on experiments with the Van de Graaff generator; E. P. Ney and J. R. Winkler on cosmic rays; O. H. Schmitt on biophysics; A. J. Dekker on thermionic emission and related topics; and A. O. C. Nier on mass spectroscopy. In a parallel series of lectures, E. L. Hill will cover magnetism of matter in bulk; W. H. Brattain of Bell Telephone Laboratories will talk on transistors and semi-conductors; and G. E. Pake of Washington University will lecture on magnetic resonance and related phenomena. Supported by the Ford Foundation's Fund for the Advancement of Education, approximately 30 scholarships, covering all cost of the institute plus transportation and living expenses, will be awarded to high school physics teachers. The other institute, made possible by a grant from the National Science Foundation, will provide similar scholarships for approximately 20 college physics teachers. Recipients will receive stipends for all tuition and laboratory fees, board, room, books, and travel in connection with the institute.

**West Virginia University** will again operate its general summer field courses in botany and zoology, June 7–July 14, from a permanent base at Camp Arthur Wood, the university's forestry camp near Alvon in Greenbrier County. Leland H. Taylor and Herald D. Bennett will be directors of the courses, and applications should be received by *May 15*.

## Meetings and Elections

The **Second International Congress on Rheology** will be held at Oxford University, July 26–31. In addition to contributed papers, the general lectures include: the presidential address, "Rheology for Mathematicians," by Geoffrey Taylor, of Cambridge; "Sur l'effet électrovisqueux," by Mme. A. Dobry Duclaux, Paris; "Rheological Problems in the Fabrication of Plastics," by R. S. Spencer, Midland, Mich.; "Rheology and Applied Mechanics," by R. N. J. Saal, Amsterdam; "Rheological Behaviour and the Molecular Jumping Mechanism," F. H. Müller, Marburg; "Water Association and Hydrogels," E. Forslind, Stockholm; and

"Biological Problems for the Rheologist," P. Eggleston, Edinburgh.

The fourth **Symposium on Plasticity** will be held at Brown University, Sept. 1–3. The three principal topics of this symposium will be: stress-strain relations (perfectly plastic, work-hardening, visco-elastic, and visco-plastic materials); distribution of stress and strain in bodies exhibiting inelastic properties (static and dynamic problems, infinitesimal and finite deformations); and structural analysis and design in the inelastic range (limit analysis, static and dynamic loading, shakedown, inelastic buckling). Foreign and American experts in the field will present research papers, and everyone is invited to participate in the discussion. Certain sessions of the symposium of particular interest to civil engineers are being sponsored, jointly with Brown University, by the Engineering Mechanics Division of the American Society of Civil Engineers. The remaining sessions are under the joint sponsorship of the Office of Naval Research and Brown University. All persons interested in receiving further information concerning the symposium should write to Prof. H. J. Weiss, Graduate Division, Brown University, Providence 12, R. I.

## Miscellaneous

The **International Society for the Welfare of Cripples**, 127 E. 52nd St., New York City, has announced the establishment of the Irving Geist International Film Library. The library will make films concerned with rehabilitation available to groups all over the world. Information may be secured from the society. Affiliated organizations and members of its United States Committee may borrow films without charge. A service fee of \$2.00 will be made to others.

The **National Research Council** recently approved the establishment of a Committee on Clay Minerals to coordinate work being done in clay mineralogy and to bring together workers in the various allied fields. The new committee has been set up under the Division of Geology and Geography, with representatives from the Divisions of Biology and Agriculture and of Chemistry and Chemical Technology. Chairman of the committee will be Ralph E. Grim of the University of Illinois.

The **Scientific Manpower Commission**, recently organized by eight major scientific societies, has opened an office in Washington at 1530 P Street, N.W., and has embarked upon a broad program designed to assure the nation of an adequate supply of scientists. Dr. Howard A. Meyerhoff, formerly administrative secretary of the American Association for the Advancement of Science, is president of the commission.

Sixteen scientists, nominated by the participating societies, will make up the commission, which will study the nation's needs for scientists in education, industry, government service and the armed forces, and will direct its efforts toward bringing the scientific

manpower supply and demand into adjustment under changing international economic conditions.

Other officers of the commission are E. G. Begle, of Yale University, vice-president, and Milton O. Lee, of the Federation of American Societies for Experimental Biology, secretary-treasurer. Other members are: Henry A. Barton, American Institute of Physics; Detlev W. Bronk, National Academy of Sciences; Stewart S. Cairns, University of Illinois; Leonard Carmichael, Smithsonian Institution; M. T. Carpenter, Standard Oil Company of Indiana; Frank P. Cullinan, U. S. Department of Agriculture; George R. Harrison, Massachusetts Institute of Technology; John S. Nicholas, Yale University; Joseph H. Roe, George Washington University; B. R. Stanerson, American Chemical Society; and Dael Wolfe, Commission on Human Resources, National Research Council.

Incorporated in the District of Columbia, the Scientific Manpower Commission was established through the cooperation of the American Association for the Advancement of Science, American Chemical Society, American Geological Institute, American Institute of Biological Sciences, American Institute of Physics, American Psychological Association, Federation of American Societies for Experimental Biology, and the Liaison Committee of the Mathematical Societies. Other private scientific societies will presumably work through the commission now that it is organized.

## Recent Deaths

**Henry J. Althenn** (62), mathematician, Elizabeth, N. J., March 30; **John L. Ames** (90), physician, Larchmont, N. Y., March 20; **Jacob P. Anderson** (78), botanist, Ames, Ia., Feb. 13; **Rose Bass** (50), gynecologist and endocrinologist, East Orange, N. J., Apr. 15; **Frederick W. Beckett** (84), engineer, Syracuse, N. Y., March 22; **Charles B. Bohn** (73), of Detroit, industrialist, Miami, Fla., Apr. 2; **William P. Brandes** (68), of New York, engineer, Doylestown, Pa., Apr. 8; **Henry A. Bunker** (63), psychiatrist, New York, N. Y., March 19; **Pierce Butler** (66), of Chicago, educator, Chapel Hill, N. C., March 26; **Augustus Camp-rubi** (63), consulting engineer, Jackson Heights, Queens, N. Y., Apr. 15; **Richard N. Connolly** (90), pathologist, Newark N. J., March 25; **Robert L. De Normandie** (78), obstetrician, Woodstock, Vt., Apr. 20; **John T. H. Dempster** (85), original staff of GE Research Laboratory, Schenectady, N. Y., Apr. 5; **Blanche C. Downie** (60), hygienist, Philadelphia, Pa., March 24; **Louis W. Downes** (87), electrical engineer, Providence, R. I., Apr. 7; **Gano Dunn** (82), engineer and industrialist, New York, N. Y., Apr. 10; **George B. Ebersole** (60), mechanical engineer, Westfield, N. J., Apr. 3; **Frederick W. Eldridge-Green** (89), ophthalmologist and color and vision specialist, Worthing, England, April 17; **Charles W. Engle** (—), engineer, Cleveland, Ohio, March 19; **John N. Evans** (—), ophthalmologist, Brooklyn, N. Y., Apr. 8.

**Samuel Feigin** (58), psychiatrist, of New York,

N. Y., Palm Beach, Fla., Mar. 20; **Harold A. Foster** (71), of New York, N. Y., Montclair, N. J., Apr. 5; **Emanuel A. Goldenweiser** (69), economist, Princeton, N. J., March 31; **Gerald Gould** (63), fuel engineer, Wilton, Conn., March 20; **Andrew Gray** (80), radio pioneer, London, Eng., March 22; **Alice Gregory** (77), surgeon, New York, N. Y., Apr. 20; **Ronald W. Gurney** (54), physical chemist, New York, N. Y., Apr. 14; **William S. Hadaway** (87), electrical engineer, Bound Brook, N. J., Apr. 12; **Fred-erick S. Hammett** (58), radiologist, New York, N. Y., Apr. 7; **Clinton H. Havill** (60), research engineer, East Orange, N. J., March 25; **George S. Hodges** (89), inventor, Pine Lake, Mich., Apr. 11; **George H. Humphreys** (76), Queens, N. Y., Apr. 16; **Charles J. Jones** (86), ophthalmologist, Philadelphia, Pa., Apr. 15; **C. E. M. Joad** (61), philosopher, London, Eng., Apr. 9; **Boris Kidric** (40), Yugoslavian economist, Belgrade, Yugoslavia, Apr. 11; **Frederick A. Kiehle** (80), eye specialist, Palo Alto, Calif., March 22; **John W. Kissane** (74), pediatrician, Malone, N. Y., Apr. 2; **Charles R. Knight** (78), museum artist, New York, N. Y., Apr. 15; **Alois Kraus** (90), of Germany, economic geographer, Bryn Mawr, Pa., March 31; **Anna R. Lapham** (83), physician, Chicago, March 31; **Marvin L. Latimer** (46), physician and professor of clinical medicine, New Haven, Conn., Apr. 17; **Robert D. Laurie** (78), of Wales, zoologist, Amsterdam, Apr. 7; **Eugene R. Lewis** (75), professor of surgery, Los Angeles, March 18; **Edward K. Love** (83), conservationist, St. Louis, Mo., March 22; **Dean S. Luce** (77), Canton, Mass., Apr. 9.

**John J. MacDonald** (80), skin specialist, Jersey City, N. J., Apr. 6; **Henry A. Mattill** (69), biochemist, Iowa City, Ia., March 30; **Charles Modica** (50), physician, New York, N. Y., Apr. 4; **Enrique Moles** (69), atomic physicist, Madrid, Spain, March 30; **Lewis F. Moody** (73), professor and hydraulic engineer, Plainfield, N. J., Apr. 18; **George E. Morton** (47), electronics engineer, Cleveland, Ohio, Apr. 8; **John C. Parker** (73), electrical engineer and industrialist, March 23; **Joel B. Peterson** (55), physician, Summit, N. J., March 30; **Jacob Pulenskey** (82), electrical engineer, Watervliet, N. Y., Apr. 8; **Frank Purnell** (66), industrialist, Youngstown, Ohio, Apr. 19; **Elizabeth Ross** (—), of Pittsburgh, pathologist, Pictou, Nova Scotia, Apr. 16; **Arseni Vasilevich Rusakov** (—), specialist in forensic medicine, Moscow, U.S.S.R.; **George Sandalls, Jr.** (55), electrical engineer, North Tarrytown, N. Y., March 30; **Arkadii Dmitrievich Shvetsov** (—), aviation designer, Moscow, U.S.S.R., March 19; **D. C. Thurman, Jr.** (—), of Washington, D. C., Thailand Apr. 17; **John K. Toole** (57), urological surgeon, Branford, Conn., Apr. 19; **Edward J. Turbert** (—), physician, West Hartford, Conn., Apr. 3; **Phillip Van Ingen** (77), pediatrician, New York, N. Y., March 31; **Charles F. Vaughn** (78), research engineer, Niagara Falls, N. Y., March 30; **Francis M. Walters** (65), physical metallurgist, Los Alamos, N. M., Apr. 18; **Morris Weintrob** (52), surgeon, Brooklyn, Apr. 7.