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firm nearby was making it impossible for the plant to operate; the veneer firm was thinking of moving, although this would mean the loss of a substantial investment and unemployment for several hundred persons. The industrial extension service staff at the state university helped the offending company abate the nuisance, thus avoiding a major economic loss to the community. Commerce Department files tell of other cases where small industrialists have received help from state technical advisers.

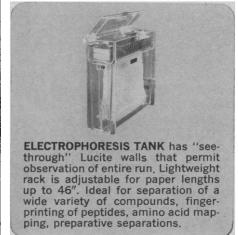
The State Technical Services Act is only a remnant-though an important one-of the ambitious plan Commerce lost in Congress in 1963. But if it manages to achieve anything approaching the successes that President Johnson has predicted for it, the act may encourage enough innovation to end all thought of direct federal support for industrial research. The act, together with other encouragement for technological change, perhaps resulting from such initiatives as the current studies of patent, tax, and antitrust policy, could facilitate the kind of industrial dvnamism about which Hollomon has been talking.—LUTHER J. CARTER

#### Announcements

A group of about 15 laboratory business managers and administrative associates at Yale have formed an Organization of Administrative Associates, representing the university's various science, engineering, health, and personnel departments. The group aims to explore means for more effectively utilizing business managers to free department chairmen and laboratory heads to concentrate more on professional and policy matters. Ken Hartford, laboratory business manager in the biology department at Yale, was elected chairman of the organization.

A Center for Research on Language and Language Behavior (CRLLB) has been established at the University of Michigan, Ann Arbor. Plans call for programs of basic research on language learning with people of all ages and levels of language proficiency; activities to improve the techniques of language learning; applied research to field-test instructional techniques, materials, and devices; and distribution of information for the enhancement of research, development, and instruction in language learning. The Center is organized with

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representatives from the various disciplines at the university that are involved with research in speaking, hearing, and language. Harlan L. Lane is the director.

The Philadelphia Museum of Art has an exhibit of paintings, sculpture, surgical instruments, and other objects, depicting the history of medicine in Philadelphia from its British origins to the present. "The Art of Philadelphia Medicine" is part of that city's observance of the bicentennial of medical education in the U.S., which began with the founding of the medical school at the University of Pennsylvania. The exhibit, which began last week, will continue through 7 December.

A group of retired scientists, engineers, and other technically or professionally qualified persons are members of TEAM, Inc., an organization to provide part-time advisers to government and other public and social agencies "acting in the public welfare and for the human good." Technically Experienced Associates, Mobilized, offers its services gratis in the areas of research

management, scientific and technical education, public health and welfare, conservation and development of natural and human resources, and national defense. Members register their experience, qualifications, and interests with the TEAM central office, which in turn notifies institutions that may have a use for them. TEAM members donate their services for specific projects arranged by the central office, and are reimbursed only for travel and expenses. Additional information is available from TEAM, Inc., 541 Hunting Ridge Road, Stamford, Connecticut 06903.

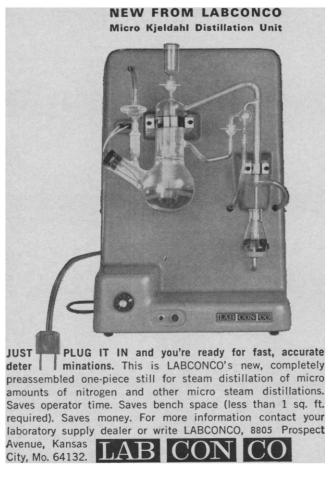
#### **Meeting Notes**

A series of seminars on biophysics and physical chemistry of connective tissue will be held at Stowe, Vermont, 10–16 October, sponsored by the rheumatism research unit, University of Vermont, the life sciences division of the U.S. Army Research Office; and the Geigy Chemical Corporation. Subjects to be covered include biological lubrication, water binding, macromolecular metabolism, water structure, elec-

trolytes and hydrogen ion regulation of viscosity of biological solutions, osmotic pressure, transport mechanisms, and the bionics of connective tissue. The meeting is by invitation only and about 50 participants will attend from Britain, Europe, Scandinavia, Australia, New Zealand, and the United States. (Federation of American Societies for Experimental Biology, 9650 Wisconsin Ave., Bethesda, Maryland)

The National Academy of Sciences division of earth sciences plans to hold a symposium on "time and stratigraphic problems in the **evolution of man**" 16 October at the Carnegie Institution of Washington. The symposium is intended to emphasize the importance of fundamental paleontologic and stratigraphic research in the study of the earth's history. (M. Gordon Wolman, Carnegie Institution of Washington, 1530 P Street, NW, Washington, D.C.)

The tenth scintillation and semiconductor counter symposium will be held in Washington, 2–4 March. Papers are invited on scintillation counters, scintillators, and photomultipliers;



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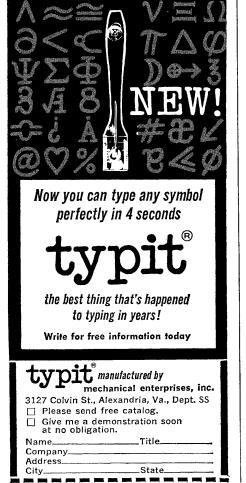
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Booth No. 72 AAAS Convention

MISTAIRE LABORATORIES 152 Glen Avenue Millburn, N.J. 07041 semiconductor detectors and associated circuitry; detector logic, circuits, and data processing; spark chambers and track imaging. Emphasis is primarily on radiation detectors, secondarily on applications and related techniques. Deadline for receipt of abstracts: 30 November. (W. Higinbotham, Brookhaven National Laboratory, Upton, L.I., New York 11973)

The winter meeting of the Society of **Rheology** will be held at the U.S. Naval Post Graduate School, Monterey, California, 31 January to 2 February. Contributed papers are being solicited for oral presentation, and will be considered for publication in the society's Transactions. Duplicate copies of a 200- to 400-word abstract are required. Deadline: 19 November. (D. J. Meier, Shell Development Company, 1400 53 Street, Emeryville, California)

A symposium on transmission of viruses by the water route will be sponsored by the U.S. Public Health Service in Cincinnati 6-8 December. Sessions will be held on epidemiology, methods for detection and quantitation of small amounts of virus in large volumes of water, minimal infective doses, viruses that may be important in water transmission, and quantitative studies on viruses in water and sewage. Attendance will be limited. (G. Berg, U.S. Public Health Service, 4676 Columbia Parkway, Cincinnati, Ohio 45226)

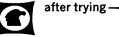
#### **Courses**

A meeting on information retrieval will be held at the University of Minnesota 10-13 November. It will focus on recent developments in indexing theories and search strategies, library mechanization of bibliographic records, and the relation of regional and specialized information services to national agencies and activities, with special reference to the biomedical sciences. A \$25 registration fee is required. (Director, Center for Continuation Study, University of Minnesota, Minneapolis)

The fourth short course on electronic information display will be presented by American University, Washington, 15–18 November. The purpose of the course is to introduce the theory, use, and general hardware aspects of electronic displays; fundamentals of display requirements; human factors; and programming. The tuition fee is \$200.

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(P. W. Howerton, Center for Technology and Administration, American University, 2000 G Street, NW, Washington, D.C. 20006)

The Association of Clinical Scientists will present an applied seminar on the clinical pathology of infancy, 12–13 November in Washington. The topics to be covered include: diagnosis of congenital biochemical disorders; jaundice; clinical pathology of systemic diseases; endocrinology and metabolism; cytogenetics. Enrollment will be limited to 300, and the registration fee is \$60. (F. W. Sunderman, 1833 Delancey Place, Philadelphia, Pennsylvania)

#### Grants, Fellowships, and Awards

The American Heart Association has established two teaching scholarships in cardiology to encourage medical teachers to devote the major part of their efforts to teaching. The scholarships will support the recipients for 5 years; stipends are \$11,000 the first year, with \$1000 annual increment and \$1000 a year to the teacher's institution to cover expenses for travel, minor items of equipment, and teaching materials. The teaching scholars will work primarily at the undergraduate medical school level as full-time faculty members; they may not have private practice. Candidates should have completed their residency or fellowship training; they may be either physicians or Ph.D.'s, less than 40 years old, and citizens of the United States or Canada. Deadline for receipt of applications: 1 November. (F. J. Lewy, Department of Medical Education, American Heart Association, 44 East 23 Street, New York 10010)

Nominations of candidates for the Woodrow Wilson fellowships for 1966-67 will be accepted until 31 October. Candidates should be seniors or graduates of colleges in the U.S. or Canada, planning a career in college teaching, but not yet registered in a graduate school; they must be nominated by their professors. The Woodrow Wilson Fellowship Foundation primarily supports candidates in the humanities and social sciences. Science and mathematics majors may be nominated, but if they are U.S. citizens they must apply for a NSF fellowship and accept that if it is offered. Recipients of the Wilson fellowships will receive stipends of \$2000 for one academic year; tuition

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1554 SCIENCE, VOL. 149

and fees will be paid by the foundation to the graduate school. Nominations should be sent to the chairman of the selection committee in the college's region; names and addresses of the 15 regional chairmen can be obtained from the foundation, 32 Nassau Street, Princeton, New Jersey.

#### Scientists in the News

A. B. Kinzel, who has retired as vice president for research of the Union Carbide Corporation, has become president and chief executive officer of the Salk Institute for Biological Studies, San Diego. He recently was elected president of the National Academy of Engineering.

He succeeds **Jonas Salk**, who will continue as director and senior fellow of the Institute. Salk plans to devote his efforts to research and the academic development of the institute.

The National Science Foundation has announced the appointments of the following program directors in the social sciences:

Anthropology: Richard W. Lieban, on leave from the University of North Carolina, replacing Allan H. Smith, who has returned to Washington State University.

Economics: Howard W. Nicholson, on leave from Clark University, succeeding Howard W. Hines, who has become director of the division.

Sociology and Social Psychology: Carl W. Backman, on leave from the University of Nevada, succeeding Robert L. Hall, who has joined the University of Illinois at Chicago Circle.

S. Douglas Cornell, executive officer of the National Academy of Sciences-National Research Council, has been named president of Mackinac College, Mackinac Island, Michigan. He will be succeeded at NAS-NRC by John S. Coleman, staff deputy for plans and programs, and executive secretary of the division of physical sciences.

John J. Pritchard, head of the department of anatomy at Queen's University, Belfast, Northern Ireland, is visiting professor of anatomy at the University of Illinois college of medicine for the 1965–1966 term.

Robert W. Weiger, assistant director of the National Cancer Institute, has

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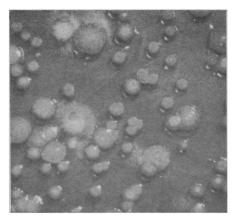
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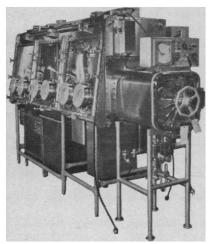
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been named chief of the Office of Pesticides in the Public Health Service. He will direct a national program to improve public health protection in the use of pesticides.

Hurlon C. Ray, of the Soil Conservation Service, Albuquerque, New Mexico, has been appointed chief of the pesticide intelligence system in the Department of Health, Education, and Welfare. The division, part of the recently formed Office of Pesticides, will assemble, evaluate, and issue reports on the presence of pesticides in the environment.

Gilbert P. Haight, Jr., of Swarthmore College, has become a visiting professor for chemical education for the American Chemical Society and the Texas Academy of Sciences. He will be a professor of inorganic chemistry at Texas A&M University, and will be in charge of the freshman chemistry program.

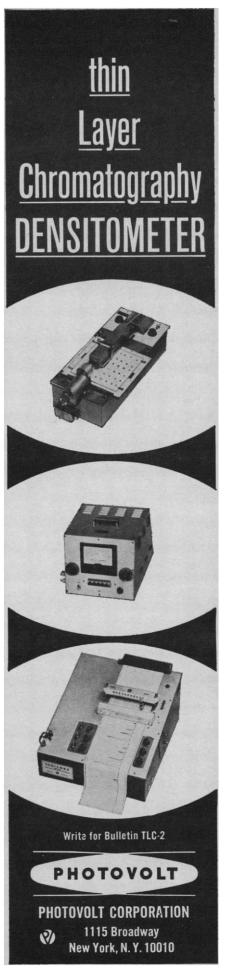
John G. Daunt, formerly professor of physics at Ohio State University, has become professor in the physics and electrical engineering departments at Stevens Institute of Technology.

The new president of Fordham University is Leo P. McLaughlin, formerly president of St. Peter's College, Jersey City. He succeeds Vincent T. O'Keefe, who has been named assistant to the superior general of the Jesuit order in Rome.

The U.S. Naval Observatory has appointed Victor M. Blanco, former professor of astronomy at Case Institute of Technology, as director of its astrometry and astrophysics division; and Gerald E. Kron, former astronomer at the Lick Observatory, University of California, as director of the Observatory at Flagstaff, Arizona.

Martin B. Biles, scientific representative in the U.S. Mission to EURATOM, has been appointed the U.S. Atomic Energy Commission's scientific representative in Paris. He succeeds Abraham B. Friedman, who will return to the AEC headquarters in the division of research as deputy assistant director for chemistry programs.

Hans Gaffron, research professor of biochemistry and plant physiology at Florida State University, has received the 1965 Charles F. Kettering award



1556 SCIENCE, VOL. 149

from the American Society of Plant Physiologists. The \$1000 prize was awarded for his research on the photosynthesis of green plants.

#### **Recent Deaths**

Franz David Bielschowsky, 63; director of the tumor biology research unit, Cancer Society of New Zealand; 21 April.

Earle Ruskin Bryant, 86; retired head of the biology department at Muskingum College, Ohio; 17 August.

Three senior members of the staff of Los Alamos Scientific Laboratory died 15 August in a mountain climbing accident in southern Colorado. They were Robert B. Day, 42, physicist; Herbert Ungnade, 54, and Frank Pretzel, 44, physical chemists.

Martin B. Dworkis, 46; president of Manhattan Community College; 20 August.

Alvin C. Graves, 55; director of atomic testing at Los Alamos Scientific Laboratory; 29 July.

Ethel Harvey, 79; investigator in the department of biology at Princeton University until 1959; 2 September.

William J. Krefeld, 73; professor emeritus of civil engineering at Columbia; 4 August.

John H. Mueller, 70; former chairman of the sociology department at Indiana University; 31 August.

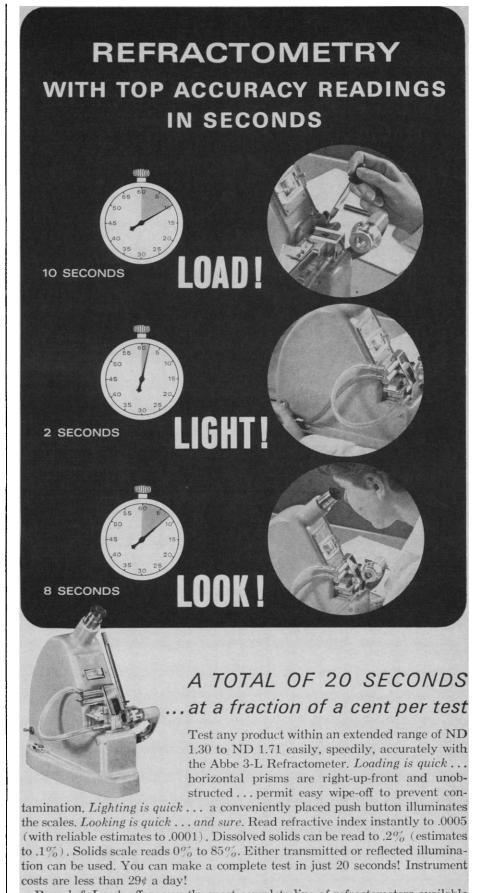
Hermann Staudinger, 84; retired professor at Freiburg University, Germany, and winner of the Nobel Prize in chemistry in 1953 for his research on the organization of molecules of synthetics, which became the basis for synthesis of many materials; 9 September.

Mortimer Taube, 54; chairman of the board and founder of Documentation, Inc., and a former deputy chief of the technical information service of the Atomic Energy Commission; 3 September.

Charles A. Weigel, 77; retired senior entomologist at the U.S. Department of Agriculture.

Erratum. In the abstract of the report "Absence of Martian radiation belts and implications thereof" by J. A. Van Allen, L. A. Frank, S. M. Krimigis, and H. K. Hills (10 Sept., p. 1228), the first sentence of the abstract should have begun "A system of sensitive particle detectors on Mariner IV showed the presence of electrons of energy (E<sub>e</sub>) greater than 40 kiloelectron volts..."

Erratum: In the report "Base specificity in the interaction of polynucleotides with antibiotic drugs" by D. C. Ward, E. Reich, and I. H. Goldberg (10 Sept., p. 1259), the second sentence of the abstract should start "Chromomycin, mithramycin, and olivomycin form complexes with DNA, preferably . . . ."



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