

N. E. Golovin of the Office of Science and Technology has received a Ford Foundation grant to explore organizational and functional models for a possible "Evaluative Branch" to supplement the present legislative, judicial and executive branches at the several levels of government in the United States. He will be working during the next year as a fellow of the Brookings Institute in Washington and the Division of Engineering and Applied Physics of Harvard University.

Emilio Segrè has become a member of the Cyclotron Corp. board of directors.



HOGAN

The new chief executive and director of Fairchild Camera and Instrument Corp is **Lester Hogan**. He was formerly director, vice-president and general manager of the semiconductor-products division of Motorola, Inc. Hogan was a Gordon McKay Professor of Applied Physics at Harvard.

Barry Saltzman and **Lubert Stryer** have been named to the Yale faculty, as professor of geology and geophysics and professor of molecular biophysics and biochemistry respectively.

Director of the new Advanced Development Operation at Philco-Ford Corporation's Aeronutronic Division is **Harold H. Hall**.

The Dept. of Physics at Northeastern University has announced that **Petros N. Argyres** has joined the faculty as professor; **Clive Perry** also has joined as associate professor. **Lowell Dworin**, **Robert P. Lowndes** and **Gerhard Lutz** have joined as assistant professors. Promoted to associate professor was **Bernard Gottschalk** and, to assistant professor, **Allan Widom**.

Gerald W. Johnson has become director of field development of Gulf General Atomic. Becoming director of technical evaluation and assistant director of the laboratory is **Chalmers W. Sherwin**.

At the University of Missouri in St. Louis **John Rigden** has been named an associate professor, after heading the physics department of Eastern Nazarene College, Massachusetts. Appointed assistant professors were **Charles N. Inskeep**, **Philip B. James**, **Jacob J. Leventhal** and **Gerald North**.

Three men have been named to three-year terms on Canada's National Research Council. They are **J. S. Dewar**, president of Union Carbide Canada Ltd., Toronto; **Marshall Laird**, chairman of the biology department at Memorial University in St. John's, Newfoundland, and **P. R. Sandwell**, president of the consulting engineering firm of Sandwell and Co., Vancouver, B.C.

Robert A. Smith, formerly director of the Center for Materials, Science and Engineering at MIT, has become president of the Heriot-Watt University in Edinburgh.

The former deputy chief executive of the Organization for Economic Cooperation and Development high-temperature reactor Project Dragon, **Leslie R. Shepherd**, has been appointed chief executive of the project, succeeding **C. A. Rennie**.

Michael W. Rice, formerly with Smith College, has joined the staff of Windham College as an associate professor.

At Case Western Reserve **W. L. Gordon**, **T. L. Jenkins** and **B. Segall** have been promoted to professor. Promoted to assistant professors were **C. R. Sullivan** and **A. J. Dahm**. **P. R. Bevington**, formerly of Stanford, has been appointed associate professor.

Maurice Goldhaber of Brookhaven National Laboratory has been elected vice-chairman of the Nuclear Physics Division of the American Physical Society. **John A. Harvey** of Oak Ridge was named secretary-treasurer. **G. A. Bartholomew** of Chalk River Nuclear Laboratories, **Dieter Kurath** of Argonne and **Victor F. Weisskopf** of MIT were elected to two-year terms on the executive committee.

Ben Tunkelang, **Merrill M. Hessel** and **Roger L. Dilling** have joined the faculty of Fordham University as assistant professors.



GABOR

Dennis Gabor has been named visiting professor of engineering at the State University of New York at Stony Brook. Gabor will retain his position with CBS Laboratories. He was recently the first recipient of the Albert A. Michelson medal of the Franklin Institute. The award recognizes Gabor's pioneering research in communication theory that led to the new science of holography. The award was established through a bequest of the late George S. Crampton, a member of the institute's committee on science and the arts.

The Korad Dept. of Union Carbide has promoted **James F. Hadwin** to manager of its military lasers division.

T. M. Wu, formerly of Case Western Reserve University, and **Gerald Intemann**, from Stevens Institute of Technology, have become assistant professors at the State University of New York at Binghamton.

Florida State University has named **John Philpott** and **Yung-Li Wang** assistant professors in low-energy nuclear physics theory and solid-state theory respectively. Promoted to associate professor is **Neil Fletcher**. Appointed staff physicists are **Kenneth R. Chapman**, responsible for the Van de Graaff accelerator, and **Richard LaSalle**, responsible for the on-line computer.

Nathaniel E. Hager, formerly a research physicist at the Armstrong Cork Company Research and Development Facilities in Lancaster, Penna. has been promoted to research associate.

Philip F. Gustafson has become associate director of the radiological physics division of Argonne National Laboratory. He was a nuclear fallout



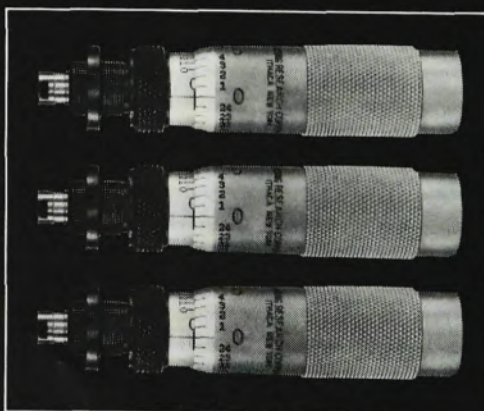
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specialist with the division of biology and medicine of the AEC.

Raymond C. Elton has been appointed head of the Naval Research Laboratory's high-temperature-physics branch in the plasma-physics division.

Henry V. Bohm, a professor at Wayne State, has been appointed vice-president for research and graduate studies. Appointed associate professor was **Adriaan M. DeGraaf**; **David Griffiths** was named assistant professor.

Fredrick T. Seibel and **Robert Carter** have joined Los Alamos Scientific Laboratory to work in the weapons division. Other divisional appointments include: **David Mosher** in experimental physics, **Donald L. Wade**, **George Allhouse** and **Alan L. Dudley** in theoretical, **Jon De Koker** and **Richard H. Hill** explosives research, **Robert M. Frank** and **Billy Buzbee** in computer science and services, **James A. Baran**, **Albert Lieber** and **James A. Whitfall** in testing.

Appointed associate professor at Indiana State University is **Uwe J. Hansen**.

At Northwestern University **Frank L. Adelman** has been appointed director of foundation research planning and professor of geophysics.

N. C. Gerson, a consultant in ionospheric physics for Syracuse Research Corp, joined the corporation's applied-science division.

Albert G. Petschek, formerly a professor at the New Mexico Institute of Mining and Technology, has joined Systems, Science and Software in La Jolla, Calif. as a senior research scientist. **Glenn E. Seay** has been appointed head of the experimental-physics department. He was formerly manager of applied physics research for Sandia Corp.

At the University of Idaho **Philip Deutchman** has become assistant professor. Promoted to professor was **Everett Sieckman** and, to associate professor, **Robert J. Kearney**.

Francis Han-Sing Chang has joined the Florida Institute of Technology as an assistant professor.

Donald H. Kobe has been appointed associate professor of theoretical physics at North Texas State University.

The University of Illinois has appointed **Swaminatha Sundaram** as head of the physics department. Promoted to associate professor was **Gloria T. Hoff** and appointed as associate professors were **Alan Edelstein**, **Ram Sharma** and **David Schreiber**. **Donald Rote** and **Ben Varga** have been appointed assistant professors.

At the American Institute of Physics, **Samuel Schiminovich** and **Bruce M. Foreman** have joined the information-retrieval staff. They formerly were assistant professors at New York University and the University of Texas respectively.



HUNTOON

Robert D. Huntoon retired from the National Bureau of Standards after 27 years of service. His most recent position was chief of the office of program development and evaluation. Huntoon was appointed deputy director in 1958 and became director of the Institute for Basic Standards in 1964.

New appointments at North Carolina State University are **Fred Lado**, formerly at Los Alamos, as assistant professor and **Gary E. Mitchell**, formerly assistant professor at Columbia University, as associate professor.

Andrus Niiler and **Sibley C. Burnett** have joined the Los Alamos Scientific Laboratory to work in the experimental-physics division. Working in the theoretical division is **Donald R. Harris**.

Appointed associate professor at the State University at Buffalo is **Gilbert O. Brink**. **Milton Primer** and **Robert H. T. Yeh** have been named assistant professors. Promoted to professors are **Shegeji Fujita**, **Robert Hurst** and **Moti Rustgi**.

Aerospace Corporation Laboratory Operations has appointed **G. W. King** vice-president and general manager and **Robert A. Becker** associate general manager. **George A. Paulikas** has become director of the space physics laboratory.

Optics Technology Inc has promoted **William E. Standring** to division manager of the new fiber-optics division. **Robert J. Alpin**, who was formerly manager of International Operations for Cary Instruments, was named vice-president of marketing.

Robert M. Williams has been named patent associate of Research Corporation, a foundation for the advancement of science in New York City.

The University of Louisville has promoted **W. F. Huang** and **J. J. Sinai** to associate professor. Appointed as assistant professors were **J. L. DuBard** and **P. W. France**.

Frank E. Schwamb, formerly of the Franklin Institute, and **Hughes B. Jenkins** have been named associate professors at Valdosta State College in Georgia.

L. Don Leet, an authority on seismology, has retired from Harvard as professor of geology, emeritus.

James L. Kassner has been named director of the University of Missouri-Rolla Graduate Center for Cloud Physics Research. **I. H. Adawai** has become a professor at the University. He was formerly with Battelle Memorial Institute. **Kaare J. Nygaard** has become associate professor and two new assistant professors are **William R. Snow** and **Don M. Sparlin**. **John Carstens** has been appointed assistant professor and associate senior investigator (cloud physics) of the space-science research center, Rolla. As assistant professor and senior investigator of the space-science center is **Leonard L. Levenson**. **Robert J. Bell** and **John T. Park** were promoted to associate professor. **Don C. Hopkins** has resigned to become professor and chairman at South Dakota school of Mines and Technology.

At the Naval Ordnance Laboratory in Silver Spring, Md. **Louis R. Maxwell** has been named senior research consultant to the associate technical director for research.

Thomas A. White has joined Furman University as assistant professor.

Vernon J. Henry, marine geologist and director of the University of Georgia Marine Institute, Sapelo Island, has

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been named program director of submarine geology and geophysics division of environmental sciences.

Allen Hermann has become assistant professor at Tulane. **Raymond M. Wilenzick** and **Robert Morriss** were promoted to professor.

Allan C. Schell has been appointed editor of the *IEEE Transactions on Antennas and Propagation*. He is a research physicist at Air Force Cambridge Research Laboratories.

Elected a corresponding member of the Société Royale des Sciences de Liège, Belgium is **Robert S. Mulliken** of the University of Chicago.

Atoms for Peace Award to Eklund, Smyth and Salam

Three scientists from Sweden, the US and Pakistan, active in the international effort to develop peaceful uses of nuclear energy, are the recipients of the 1968 Atoms for Peace Award.

The three are associated with the International Atomic Energy Agency; Sigvard Eklund, a Swede, is IAEA director general, Henry DeWolf Smyth is the US member of the IAEA board of governors and Abdus Salam is director of the agency's International Center for Theoretical Physics in Trieste (PHYSICS TODAY, September, page 77).

Established under the Atoms for Peace Program, the award is a memorial to Henry Ford and his son Edsel. It is an outgrowth of President Eisenhower's 1955 appeal for international efforts in developing peaceful uses of nuclear energy. Each recipient will receive a gold medallion and an honorarium of \$30 000.

Eklund has served as director of research and deputy managing director of the A. B. Atomenergi in Sweden and as secretary-general of the second Geneva atoms-for-peace conference. Smyth is associated with Princeton in teaching, research and administrative functions. He was a member of the US Atomic Energy Commission. In matters regarding international agreements in the uses of atomic energy he has been an adviser to the US State Dept. A professor of theoretical physics at the University of London, Salam was scientific secretary at the first two

Max Garbuny, consultant on low-temperature and radiation research for the Westinghouse Electric Corp, is spending the academic year in the College of Engineering and Applied Science at the University of Rochester as New York State Visiting Professor of Optics. **D. H. Douglass** has become professor and **R. L. Thews** assistant professor at the University of Rochester. **R. S. Knox** and **R. D. Parks** have been promoted to professor. Promoted to associate professors are **C. R. Hagen** and **D. Koltun**.

The Atomic Energy Commission has appointed **Fredrick R. Tesche** as special assistant to the assistant manager for military applications. He was at Los Alamos as associate meson-physics division leader.

Geneva atoms-for-peace conferences. He is a member of the UN advisory committee on science and technology.

Ewing Receives Sidney Powers Memorial Medal

The director of the Lamont Geological Observatory of Columbia University, Maurice Ewing, was honored with the 1968 Sidney Powers Memorial Medal of the American Association of Petroleum Geologists. Ewing received the gold medal and the citation for his work in ocean geology and his administration of the Lamont Observatory, which he helped establish.

The geophysicist's achievements include the first recorded seismic measurements in the open ocean, the first photographs of the deep ocean floor and the first determination of its crustal thickness. He has developed and refined many instruments, including the Ewing Piston Corer.

Laser Scientist, Patel, Gets Ballantine Medal

The Franklin Institute has awarded Kumar N. Patel its Stuart Ballantine Medal for his nitrogen-carbon-dioxide laser. Patel is head of the infrared physics and electronics research department at Bell Telephone Laboratories.

The award was established in 1964 to recognize scientists and engineers who have contributed to the field of communications and reconnaissance using electromagnetic radiation.

Leon M. Dorfman has been appointed chairman of the chemistry department at Ohio State and **Russel M. Pitzer** has been named associate professor.

RCA Laboratories has named **Fred D. Rossi** staff vice-president of material and device research.

Louis Levin has been named executive associate director of the National Science Foundation. He was formerly associate director of institutional relations.

Brian K. Annis, from the University of Maryland, has been appointed a research staff member at Oak Ridge National Laboratory.

Patel's investigation of atomic infrared-laser transitions helped to bridge the gap between laser radiation and that coming from micro-wave sources. The work on molecular vibrational-rotational laser transitions also has affected molecular spectroscopy.

Francis Rice Returns to Free-Radical Work at Johns Hopkins

At the age of 78, Francis O. Rice is returning to Johns Hopkins University after 30 years to take up again his work in free-radical reactions. Rice hopes to answer questions he could not while he was a young chemist in the 1920's.

He was recently a visiting research professor at the University of Notre Dame, working in astrochemistry in the Radiation Research Laboratory. His new position at Rice is principal research scientist in the Institute for Cooperative Research; it is Rice's sixth career (or a continuation of his second).

Harvard Astronomer Wins Gravitation Essay Award

The Gravity Research Foundation of New Boston, N.H. named David Layzer the first award winner of the essays on gravity. A professor of astronomy at Harvard, his essay was entitled "Gravitational Collapse, Cosmic Black-Body Radiation and the Origin of Astronomical Systems." Layzer discussed the possibility that quasars and the cosmic micro-wave background