

WE HEAR THAT

The Physics Department at Northwestern University has announced the promotion of **Richard H. Capps** from assistant professor to associate professor of physics. He is currently on leave of absence in Italy, having received Fulbright and Guggenheim grants for research at the National Laboratory for Nuclear Research at the University of Rome. **Fausto Fumi**, who also holds an appointment at the Argonne National Laboratory, has joined the Northwestern faculty as professor of physics. Other appointments announced by the Department include those of **Chih-Ree Sun** as assistant professor and of **Walter W. Wada** as visiting professor. Dr. Wada is on loan to Northwestern for the year from the Nucleonics Division of the Naval Research Laboratory. **Arnold J. F. Siegert**, professor of physics at Northwestern, is on leave in the Netherlands during the current academic year while engaged in research under a NSF senior post-doctoral fellowship at the University of Amsterdam's Institute for Theoretical Physics.

Kenneth J. Button, formerly of the MIT Lincoln Laboratory, has been appointed assistant to the director of MIT's National Magnet Laboratory. Other new additions to the Magnet Laboratory staff include **Arthur Freeman** from the Ordnance Materials Research Office, **Jacek Furdyna** from Northwestern University, and **Peter Carden**, who is on leave from the Australian National University in Canberra.

William E. Kreger has been appointed head of the Nucleonics Division at the US Naval Radiological Defense Laboratory in San Francisco. Dr. Kreger, who was formerly in charge of the Laboratory's Nuclear Radiation Physics Branch, served as acting head of the Division during the past year.

Werner Paul Wolf has left his position as university demonstrator at Oxford University's Clarendon Laboratory, having accepted a dual appointment to the faculties of the Department of Physics and the new undergraduate Department of Engineering and Applied Science at Yale University. Dr. Wolf holds the rank of associate professor of physics and applied science.

David Turnbull, formerly on the staff of the General Electric Company's Research Laboratory in Schenectady, N. Y., has been named Gordon McKay Professor of Applied Physics in the Division of Engineering and Applied Physics at Harvard University, Cambridge, Mass.

George L. Haller has been named vice president of the new Advanced Technology Services of the General Electric Company in Schenectady, N. Y. He was formerly general manager of GE's Defense Electronics Division.

T. A. Griffy and **F. F. Liu**, from Duke and Purdue Universities, respectively, have been named as research associates in Stanford University's W. W. Hansen Laboratories of Physics.

Calvin D. Wood and **John W. DeFord** have been appointed assistant professors of physics at the University of Utah.

George C. Towe, formerly head of the Physics Department at Findlay College, has joined the Department of Physics at Alfred University, Alfred, N. Y.

The Defense Research Corporation in Santa Barbara, Calif., has named **Bernard A. Lippmann** to the newly created post of director of physics. Dr. Lippmann was previously with the University of California's Lawrence Radiation Laboratory at Livermore.

At Tufts University, **Kathryn A. McCarthy** has been promoted from associate professor to professor of physics. **Leonard J. Eyges** of the MIT Lincoln Laboratory has been appointed visiting lecturer, and **Robert H. Webb** has been named assistant professor of physics.

Jerry B. Marion and **David M. Zipoy** of the University of Maryland's Department of Physics and Astronomy have been advanced to the rank of professor and associate professor, respectively. **Gus T. Zorn**, formerly of Brookhaven National Laboratory, has joined the Department as an associate professor. The Department has also announced the appointments of **Brandt Kehoe**, **Malcolm C. Whatley**, **Edward F. Beall**, **B. Sechi Zorn**, **Young Suh Kim**, and **S. M. Bhagat** as assistant professors, and of **Allan Lenchek**, **Uri Shafir**, **S. K. Ghosh**, **Eduard A. K. Hintz**, **David A. Simkin**, **Anthony M. Green**, **Walter Greiner**, and **A. B. Singh** as research associates. **Robert Karplus** of the University of California at Berkeley is serving during the current academic year as a visiting professor at Maryland.

San Fu Tuan, formerly of Brown University, has been named by Purdue University as an associate professor of physics.

William E. Gordon has joined the staff of Combustion and Explosives Research, Inc., in Pittsburgh.

Robert Greenler, formerly of Allis-Chalmers Manufacturing Company, has joined the Physics Department of the University of Wisconsin (Milwaukee) as an associate professor.

Ali Kyrala, formerly associate professor of physics at Arizona State University and staff scientist in Motorola's Semiconductor Division, has been appointed to a full professorship at the US Naval Postgraduate School in Monterey, Calif.

Matti Nurmia of the University of Helsinki, and **Herman G. Kummel** of the Max Planck Institut für Chemie, have become associate professors in the Physics Department at Oklahoma State University. **Victor L. Pollak** and his wife, **Betty D. Pollak**, have also joined the Department as assistant professors.

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Robert Allan Smith, formerly professor of physics at the University of Sheffield in England, has been appointed director of the new Center for Materials Science and Engineering at the Massachusetts Institute of Technology.

In the Physics Department at New York University, Leona Marshall and Lawrence A. Bornstein have been promoted to professor and associate professor, respectively, and Richard L. Liboff and Arthur Salop have been appointed assistant professors. Jeremy Bernstein, from Brookhaven, and Joseph L. Birman, formerly head of the Luminescence Section of the Bay-side Laboratories of General Telephone and Electronics Research Laboratories, have accepted appointments as associate professors of physics at NYU. Malvin A. Ruderman, on leave for one year from the University of California at Berkeley, has been named visiting professor. Kurt Symanzik, previously with CERN in Geneva, and Wohlfart Zimmermann, from the Institute for Theoretical Physics of the University of Hamburg, have joined NYU's Courant Institute of Mathematical Sciences as professors of mathematical physics.

Barrie S. H. Royce has taken a two-month leave of absence from Princeton University's Solid State and Materials Program to visit Brazil's Escola De Engenharia de São Carlos, where a parallel program is going on under the direction of Prof. Sergio Mascarenhas. It is anticipated that the close cooperation between the two groups will be continued by further exchanges of personnel in the future.

Charles A. Domenicali and Douglas J. Henderson have been appointed professor and assistant professor, respectively, in the Department of Physics at Arizona State University.

Robert S. Codrington has been appointed manager of product engineering for the Instrument Division of Varian Associates, Palo Alto, Calif.

Caryl P. Haskins, president of the Carnegie Institution of Washington, D. C., has been elected a trustee of Yale University.

James L. Thomas, chief of the Resistance and Reactance Section at the National Bureau of Standards in Washington, D. C., has retired after 35 years of service with the Bureau. Dr. Thomas, who served as an instructor in physics at the University of Texas before joining the staff of the NBS Electricity Division in 1927, was chief of the Bureau's Resistance Measurements Section from 1943 to 1953. He is known for his development of the special type of electrical resistance standard (the "Thomas resistor"), which is used by most standards laboratories.

J. M. Reynolds has been named Boyd Professor and head of the Department of Physics and Astronomy at Louisiana State University. James D. Childress, formerly of General Dynamics and Brandeis University, and John T. Marshall, from Washington Univer-

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sity, have been appointed assistant professors. **Shigeo Minami**, on leave from Osaka City University, has joined the Louisiana State department as visiting professor.

Leonard J. Nugent has joined the quantum physics division of Electro-Optical Systems in Pasadena, Calif., as a senior physicist.

Walter L. Pondrom, Jr., formerly of the Shell Development Company's Exploration and Production Research Laboratory in Houston, Tex., has been appointed chief of physical research for the Research and Development Division of Autonetics, a division of North American Aviation, Inc., in Downey, Calif.

Paul A. Northrop, formerly of the MIT Lincoln Laboratory, has been appointed professor of physics at the University of Miami, Coral Gables, Fla. Other new members of the physics faculty are **Joseph R. Cox** from Indiana University and **Edward R. Goza** from the University of Washington, who have been appointed assistant professors at Miami, and **Richard W. Harrison** from the University of New Hampshire, who has been named an instructor.

Emanuel R. Piore, vice president of research and engineering of the International Business Machines Corp., has been elected a member of IBM's board of directors.

Asim O. Barut, formerly of the University of California at Berkeley, has joined the faculty of the University of Colorado as professor of physics. **Edwin A. Power** from University College in London, England, is spending the current academic year at Colorado as visiting professor of physics.

Leo Mandelkern, formerly with the National Bureau of Standards, has been named professor of chemistry and biophysics at Florida State University.

Richard C. Carlston has joined the advanced research division of Aerojet-General Corporation in Azusa, Calif.

Herbert Trotter, Jr., president of General Telephone & Electronics Laboratories, Inc., a subsidiary of General Telephone & Electronics Corporation, has recently been elected chairman of the GT&E Labs. He has been succeeded as president of the Laboratories by **Lee L. Davenport**, a former vice president of another GT&E subsidiary, Sylvania Electric Products, Inc.

John R. Betzler has been appointed to the Washington, D. C., Office of Space Technology Laboratories, a subsidiary of Thompson Ramo Wooldridge. Prior to joining STL, Dr. Betzler was Washington representative for the Los Angeles Space and Information Systems Divisions of North American Aviation.

I. Fankuchen, professor of physics and head of the Division of Applied Physics at the Polytechnic Institute of Brooklyn, has been elected a director of Anchor Alloys, Inc., Brooklyn, N. Y.