

WE HEAR THAT

Albert V. Crewe has succeeded **Norman Hilberry** as director of the Argonne National Laboratory, the nuclear research facility which the University of Chicago operates for the Atomic Energy Commission. In view of his approaching retirement, and because of the need for insuring continuity in the administration of the Laboratory, Dr. Hilberry urged earlier this year that the University take immediate steps to designate his successor. Dr. Crewe, a 34-year-old, British-born physicist who has been director of the Particle Accelerator Division at Argonne since September 1958, came to the University of Chicago as a research associate in 1955. He had previously been a lecturer in physics at the University of Liverpool. In addition to his responsibilities at Argonne, where he has been involved for the past three years in the design and development of the 12.5-Bev zero gradient synchrotron, Dr. Crewe is an associate professor in the Department of Physics and the Enrico Fermi Institute for Nuclear Studies at the University of Chicago.

Daniel Zaffarano has succeeded **G. W. Fox** as chairman of the Physics Department and as division chief in the Institute for Atomic Research at Iowa State University. Dr. Fox retired from his administrative duties for reasons of health, but remains as professor and graduate-admissions advisor in the Department and as senior physicist in the Institute.

Max T. Weiss and **Jack Munushian**, former assistant director and head of the Hughes Aircraft Company's Applied Physics Department, respectively, have joined the Aerospace Corporation in El Segundo, Calif. Dr. Weiss is now director of Aerospace's Electronics Research Laboratory and Dr. Munushian is head of the Solid State Electronics Department.

Milton M. Klein, former consultant to the General Electric Company's Missile and Space Vehicle Department in Philadelphia, has joined the staff of the Geophysics Corporation of America, Bedford, Mass.

S. Roy Morrison, senior staff scientist at the Minneapolis-Honeywell Research Center in Hopkins, Minn., has been promoted to assistant director of the Center.

Ralph P. Hudson has succeeded **C. M. Herzfeld** as chief of the Heat Division of the National Bureau of Standards in Washington, D. C. Dr. Herzfeld, who was recently appointed associate director of NBS, is currently on a year's leave of absence while serving as assistant director of the Advanced Research Projects Agency of the Defense Department. **Yardley Beers** has been named chief of the Millimeter-Wave Research Section of the Bureau's Radio Standards Laboratory in Boulder, Colo.

Claus Haake, formerly senior physicist for Westinghouse Electric, has joined **Giannini Controls Corporation's** Research Laboratories in Pasadena, Calif., as research manager.

Jerome Rothstein has been named vice president and chief scientist for Maser Optics, Inc., Cambridge, Mass. He was formerly senior scientific executive for Edgerton, Germeshausen & Grier, Inc., in Boston.

Henry J. Gomberg has resigned as director of the University of Michigan's Phoenix Project and has been granted a leave of absence from his post as professor of nuclear

engineering at the University in order to serve as deputy director of the Puerto Rico Nuclear Center, a research facility supported by the US Atomic Energy Commission. **William Kerr**, who was appointed chairman of the Department of Nuclear Engineering in July, has been named acting director of the Phoenix Project and will serve in that capacity on a half-time basis until a permanent director is chosen. The University has also announced the retirement of **Robert R. McMath**, who now has the titles of director emeritus of the McMath-Hulbert Observatory and professor emeritus of astronomy. Prof. McMath, who was one of the founders of the Observatory, served as its director for sixteen years.

William G. Chace of the Air Force Cambridge Research Laboratory has been named as an advisory science editor for Plenum Press, New York. He will edit Plenum's forthcoming series of books on high-energy-pulse techniques.

Henri T. Pichal, whose appointment to the staff of Trak Microwave Corporation was announced earlier this year, has rejoined Electronic Communications, Inc., of St. Petersburg, Fla., where he is in charge of solid-state microwave-receiver development.

Faculty appointments in physics recently announced by the University of Maryland's College of Arts and Sciences in College Park, Md., have accounted for an increase of 30 percent in the size of the Department of Physics. The following physicists have joined the Department: (as professor of physics) **Gaylord Estabrook**, who formerly taught physics at the College of Pharmacy on the University's Baltimore campus; (as associate professors) **Harry D. Holmgren** from the Naval Research Laboratory, **Margaret Waggoner** from Stanford University, **Gaurang Yodh** from the Carnegie Institute of Technology, **Rolfe E. Glover, III**, formerly of the University of North Carolina, and **Gianni Quarenì** from the University of Bologna; (as assistant professors) **Arnold J. Glick** from the Weizmann Institute of Technology in Israel, **Richard E. Prange** from the Institute for Advanced Study, **Paul E. Condon** from Princeton University and the Brookhaven National Laboratory, **David S. Falk** from the University of Genoa, **O. W. Greenberg** from the Massachusetts Institute of Technology, and **Toshiyuki Nishiyama**, formerly of Osaka University and more recently a research fellow at the Weizmann Institute; (as research associates) **Ronald Aaron** from the University of Pennsylvania, **S. N. Biswas** from the Tata Institute of Fundamental Research in Bombay, **Robert I. Gayley, Jr.**, from Lafayette College, **M. A. Nagarajan** from the Institute of Nuclear Physics in Calcutta, **Iwao Sato** from Tohoku University in Japan, **N. V. V. J. Swamy** from Karnatak University in India, and **Angela Vignudelli** from the University of Genoa, who came to Maryland with her husband, Dr. Gianni Quarenì. In addition to the above appointments, **Ernest Ambler** of the National Bureau of Standards and **Robert Glasser** and **Alan Kolb** of the Naval Research Laboratory have been named as visiting professors of physics at Maryland, on a part-time basis, to give graduate-level courses in physics. Also teaching part time is **Bertram Donn** of the Goddard Space Flight Center of the National Aeronautics and Space Administration, who has been appointed as a visiting lecturer in astronomy to help initiate



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a program of instruction in astronomy which was inaugurated in the fall under the auspices of the Physics Department. Another astronomer, **Uco Van Wijk** from Princeton University, has joined the Physics Department faculty as assistant professor of astronomy.

James A. R. Samson, formerly at Harvard University, has joined the staff of the Geophysics Corporation of America in Bedford, Mass., where he will take part in a study aimed at investigating the nature of planetary atmospheres.

V. Lawrence Parsegian, until recently professor of nuclear engineering and dean of the School of Engineering at Rensselaer Polytechnic Institute, has been appointed to the newly established post of "Rensselaer Professor". Responsibilities under the new professorship are not limited to any single department or school, but instead are associated with the current over-all effort at Rensselaer to cultivate interdisciplinary programs of teaching and research.

The following physicists have joined the staff of the Los Alamos Scientific Laboratory: **William Albert Steyert, Jr.**, **Lester Carl Lemke, Jr.**, **Frederick Earl Fajen**, **Edward Lee Jolly, Jr.**, **Eugene Marcos Sandoval**, and **Richard Woods**.

Aden B. Meinel has been appointed professor of astronomy, research professor in the Lunar and Planetary Observatory, and astronomer in the Steward Observatory at the University of Arizona. Dr. Meinel was previously an associate director of the Kitt Peak National Observatory.

Marshall F. Crouch, associate professor of physics at Case Institute of Technology in Cleveland, has resumed his teaching and research activities after having returned from a two-year tour of duty in Japan as deputy scientific attaché at the United States Embassy in Tokyo.

Michigan State University has announced the appointment of **James W. Butler**, formerly of the Naval Research Laboratory, as professor of physics. New assistant professors in the Michigan State Physics Department are **Herbert Bolotin** from Brookhaven; **Michael J. Harrison** from the University of Birmingham; and **Peter A. Schroeder** from the National Research Council of Canada.

Nandor L. Balazs, formerly of Princeton University, has accepted a professorship in the Department of Physics at the Long Island Center of the State University of New York, Oyster Bay, N. Y.

The University of Colorado has announced the appointment of **Ernst Brun** from Zurich, Switzerland, as acting associate professor of physics for the current academic year. **Franz Mohling**, formerly of Cornell University, has been named assistant professor of physics. **Shinzo Nakai**, a Fulbright visiting scholar from Tokyo for the 1961-62 academic year, and **William Johnson** from Indiana University, have also joined the staff of Colorado's Physics Department as research associates.

C. H. Blanchard, formerly of the Pennsylvania State University, has been named assistant chairman of the Department of Physics at the University of Wisconsin. **C. J. Goebel** from the University of Rochester and **M. B. Webb**, formerly with the General Electric Company, have also joined the Wisconsin Physics Department staff. **S. E. Darden** of the University of Notre Dame is a visiting staff member during the current semester. Members on leave from the Department are **M. B. Ebel**, who is at the Institute for Theoretical Physics in Copenhagen, and **R. F. Sawyer**, who is at the Institute for Advanced Study in Princeton.