

WE HEAR THAT

Wayne A. Bowers, professor of physics at the University of North Carolina, will be on leave of absence in England during the coming academic year. He will be working in the area of theoretical solid-state physics at Cambridge University under a National Science Foundation fellowship.

Walter Kruschwitz, professor of physics and mathematics at Union University, has accepted an appointment (effective in September) as professor of physics at Mobile College, a new four-year liberal-arts college in Mobile, Ala., where classes will be in session for the first time this fall.

Harold Lipchik, general manager of American Machine & Foundry Company's field operations and engineering division in Santa Barbara, Calif., has been appointed divisional vice president and technical director of AMF's Advanced Products Group assigned to the firm's staff in Greenwich, Conn.

Lawrence M. Baxt of the Philip Morris Research Center in Richmond, Va., has been promoted to the newly created position of associate principal scientist.

Charles A. Whitney, a lecturer at Harvard University since 1958, has received appointments as an associate professor of astronomy at the University and as a physicist at the Smithsonian Astrophysical Observatory, which cooperates closely with the Harvard College Observatory in astrophysical research.

Louis A. Turner has retired as deputy director of the Argonne National Laboratory and has accepted an appointment at Princeton University, where he will be concerned with the administration of research in addition to having some teaching responsibilities.

The Lockheed Missiles and Space Company has announced the formation of a physical electronics group in its Electronic Sciences Laboratory in Palo Alto, Calif. Members of the group include **Herman W. Bandel**, **Eamon Barrett**, **William Culshaw**, **Leon H. Fisher**, **David E. Golden**, **Gabriel F. Herrmann**, **Robert M. Hill**, **Stephen K. Ichiki**, **Jaan Kanne- laud**, **Sidney J. Tetenbaum**, and **Romayne F. Whitmer**, all formerly with the General Telephone and Electronics Laboratories in Palo Alto. Dr. Whitmer has also been named assistant laboratory director. The names and present positions of a number of others who have relocated as a result of the closing of the Palo Alto facilities of General Telephone and Electronics are as follows: **Kenneth A. Wickersheim** and **Robert L. White**, associate professors of materials science and electrical engineering, and **Morton Mandel**, research physicist in the Genetics Department at Stanford University; **John W. Carson**, member of the Laser De-

velopment Department of Hughes Aircraft Company in Culver City, Calif.; **James E. Hopson**, on the technical staff of the Advanced Research Division of Arthur D. Little, Inc., Cambridge, Mass.; **Eldred F. Tubbs**, assistant professor of physics at Harvey Mudd College, Claremont, Calif.; **Robert J. Debs** and **John C. Schneider**, research scientists in the Space Sciences Division of the Ames Research Center, NASA, Moffett Field, Calif.; **Walter M. Müller**, senior physicist, General Motors Research Laboratory, Santa Barbara, Calif.; **Robert A. Lefever**, division supervisor, Sandia Corporation Research Laboratories, Albuquerque, N. M.; **Nien-Chih Chang** and **Armond B. Chase**, members of the technical staff at Aerospace Corporation in El Segundo, Calif.; **Walter Proskauer**, senior research engineer at the Electrostatic Printing Corporation in San Francisco; and **Leon E. Sobon** and **Mrs. Frances Rogers**, members of the Solid State Chemistry Group of Hewlett-Packard Associates, Palo Alto.

Horst E. Kunig, formerly associated with the Research Division of American Standard in Union, N. J., has joined RCA's Microwave Research Laboratory at the David Sarnoff Research Center in Princeton, N. J.

Lauriston S. Taylor has been named associate director of the National Bureau of Standards in Washington, D. C. He was formerly chief of the Bureau's Radiation Physics Division. **Klaus D. Mielenz**, who has spent the past two years at the R. Fuess Optical Company in Berlin, Germany, has been appointed to the Bureau's Metrology Division. **Donald J. Albares**, formerly a research assistant for the Electrical Engineering Department of the University of Illinois, has joined the Radio Plasma Section at the NBS Laboratories in Boulder, Colo.

John W. McNall of the Westinghouse Lamp Division at Bloomfield, N. J., has been named to the new post of manager of advanced development.

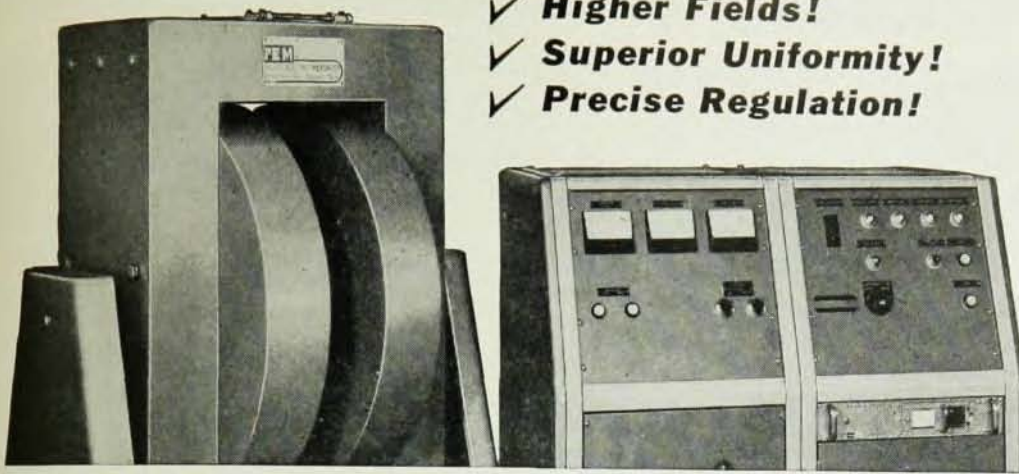
Richard T. Whitlock of Western Reserve University has accepted an appointment to the chair of Theoretical Physics at Thiel College in Greenville, Pa.

Gregory K. Hartmann, technical director of the US Naval Ordnance Laboratory for the past eight years, has been honored with the 1963 Career Service Award of the National Civil Service League. Dr. Hartmann has been associated with the Navy since 1941 and has been at NOL since 1946.

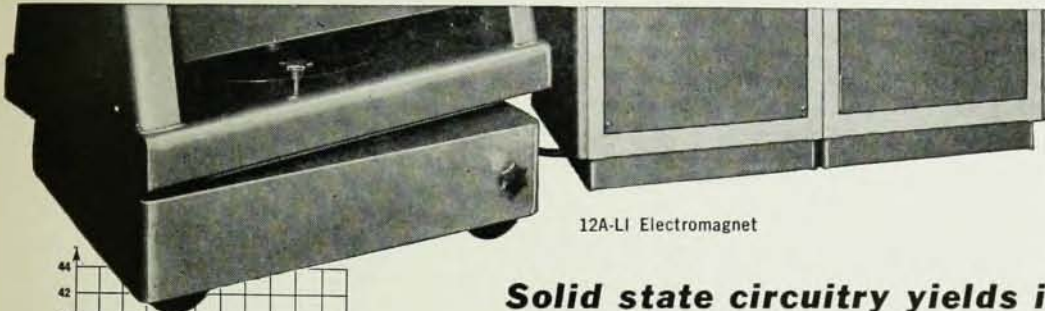
Joshua Goldberg and **Stuart Fickler** of the Aeronautical Research Laboratory, Wright-Patterson Air Force Base, have served during the current academic year as adjunct associate and assistant professors, re-

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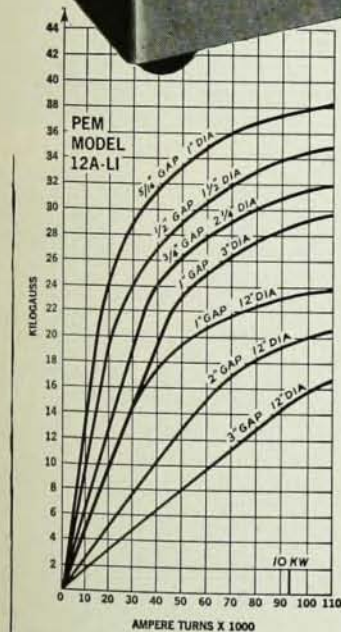
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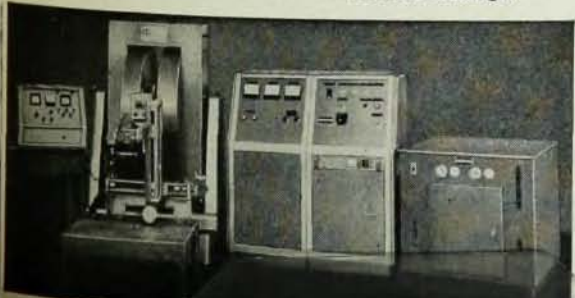
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spectively, in the Physics Department of the University of Cincinnati. **John Davies** of the Naval Ordnance Laboratory has joined the University as a visiting assistant professor of physics. Recent promotions in Cincinnati's Physics Department include those of **Ernst Franke**, from associate to full professor of biophysics, and **William R. Wright**, from associate to full professor of physics and head of the department.

O. P. Rustgi, formerly head of the Optics Division of Project Telescope at the Smithsonian Astrophysical Observatory, has joined the Electromagnetics Laboratory research staff at Northrop Space Laboratories in Hawthorne, Calif. He is in charge of the Laboratory's program in extreme-ultraviolet research.

Bernard S. Greensfelder, formerly with the Shell Development Company, has joined the staff of Stanford Research Institute in Menlo Park, Calif., as a senior scientist.

Paul H. Gleichauf has joined the Rauland Corporation, a subsidiary of the Zenith Radio Corporation, as manager of the monochrome cathode-ray tube research and development department. Prior to joining Rauland, Dr. Gleichauf was with the General Electric Company's Electronics Laboratory in Syracuse, N. Y.

E. Dale Trout, who recently retired from the General Electric X-Ray Department after 34 years of service with the GE organization, has accepted an appointment as a sales representative for the Instrument Division of the Victoreen Instrument Company in Cleveland, Ohio.

Stephen S. Friedland has become chief executive officer of Solid State Radiations, Inc., of Los Angeles. The firm has also announced the appointment of a new president, **Henry S. Katzenstein**, who was formerly vice president and director of engineering at Lear-Siegler. **Michael Zatzick** from Brown University has joined the staff as a physicist.

Charles H. Anderson, former research assistant and instructor in physics at Harvard University, has joined the staff of RCA's Electronics Research Laboratory at the David Sarnoff Research Center in Princeton, N. J.

Walter Roth, formerly with the Armour Research Foundation, has joined the Xerox Corporation's Fundamental Research Laboratory in Rochester, N. Y., as manager of the Gaseous Electronics Research Department.

Richard E. Grove, professor of physics at Randolph-Macon College in Ashland, Virginia, has been named director of a new computer center which the college expects to place in operation by September of this year. The center is being established as part of IBM's educational allowance program for colleges and universities and will be leased on an annual basis from IBM. In addition to his new duties as director, Dr. Grove will continue to offer courses in the Randolph-Macon physics Department.