

we hear that

forming a team of sputtering-phenomena researchers at General Mills in Minneapolis. A graduate of Technical University in Munich, with degrees in engineering and technical physics, Wehner has worked in both the engineering and physics fields.

At the University of Illinois at Urbana-Champaign, **Shau-jin Chang** has recently been promoted to associate professor.

Richard F. Gasparovic, formerly of the engineering staff of RCA Advanced Technology Laboratories, has joined the applied physics laboratory of Johns Hopkins University.

The new deputy director general of the International Atomic Energy Agency's department of technical operations is **Yuri F. Chernilin**. He was previously at the I. V. Kurchatov Institute of Atomic Energy in Moscow, USSR.

J. Robert Buchler, a research astrophysicist with the Kellogg Laboratory of the California Institute of Technology, has been appointed assistant professor at Yeshiva University.

At Chicago State University, **Harvey S. Leff**, formerly of Case Western Reserve University, has been ap-

pointed associate professor and chairman of the department of physical sciences. Named as assistant professors of physics at the university were **Susan E. Kayser**, formerly of the State University of New York at Stony Brook and **George C. Valley**, formerly at the University of Chicago.

Promoted to executive director of the scientific research staff of the Ford Motor Co is **W. Dale Compton**.

Walter John, formerly senior physicist at the Lawrence Radiation Laboratory, Livermore, has been appointed professor and chairman of the department of physics and physical sciences at Stanislaus State College, Turlock, Calif.

Allen C. Dotson has been named chairman of the department of physics at Western Michigan University. **Larry Oppliger** has been promoted to professor and **Priya Vashishta** has joined the department as assistant professor.

obituaries

Joseph H. Holloway

Joseph H. Holloway, an expert in the field of cesium-beam atomic frequency standards, died 25 September. He was 42 years old.

After receiving his PhD from Massachusetts Institute of Technology in 1956, Holloway joined the National Co, where he was associated with the development of the first commercial atomic frequency standards. Later he joined the Bomac Laboratories division of Varian Associates, where he was principal designer of a series of cesium-beam tubes that are now in widespread use in atomic frequency standards for timekeeping, navigational systems and other applications. Since 1967, when Hewlett-Packard Co

acquired the portion of the Varian group he was with, he had been primarily engaged in the design of a very small cesium-beam tube intended for aircraft collision-avoidance systems, and a long tube, in conjunction with the National Bureau of Standards, to be used as an element in its frequency and time standards.

J. D. Bernal

With the death, on 15 Sept., of John Desmond Bernal the physics community has lost a unique person, for whom the best simple description is "the evangelist of science"—a term coined by W. L. and C. K. Shultz. It is inadequate to label him as a "crystallog-

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