

WE HEAR THAT

The Department of Physics and Astronomy at Michigan State University, East Lansing, has announced staff additions to four departmental groups. New appointments in the Experimental Nuclear-Physics Group of the Cyclotron Laboratory include those of **Sam M. Austin**, formerly assistant professor of physics at Stanford University, as associate professor; **Richard A. Atneosen** from Princeton University as research assistant professor; **Gary M. Crawley** from the University of Melbourne as research associate; and **George H. McKenzie**, a recent physics graduate from the University of Birmingham, as research assistant. New additions to the staff of the Theoretical Nuclear and Elementary-Particle Group include **Jack H. Hetherington**, previously a research associate at the University of Minnesota, as assistant professor; **Ram K. Bansal** and **John W. Durso**, research associates at the University of Rochester and the Institute of Theoretical Physics in Naples, respectively, as research associates; and **Jacques R. Raynal**, engineering professor at the Centre d'Etudes Nucléaires de Saclay, as visiting professor during half of this academic year. **Gerald L. Pollack** of the National Bureau of Standards Institute for Materials Research, has joined the Solid-State and Low-Temperature Group as associate professor. **Edward H. Carlson**, previously an assistant professor at the University of Alabama, and **G. J. Butterworth**, a research associate from Imperial College, have assumed the same positions in this group.

George S. Stranahan, formerly a research associate at Purdue University, has joined the Theoretical Solid-State Group as assistant professor, and **LeRoy Colquitt, Jr.**, who recently received his PhD from the University of Pittsburgh, has been appointed research associate in the group.

Sherwood K. Haynes has returned to the chairmanship of the Michigan Department after spending an eight-month sabbatical at the Institute for Nuclear Research in Amsterdam. Pro-

fessor **Alfred Leitner** is on leave from Michigan for the current academic year to work with **Gerald Holton** on Harvard University's Project Physics.

Harry A. Brown, formerly associate professor of physics at San Francisco State College, has been named associate professor of physics at the University of Missouri in Rolla. **Robert J. Bell**, former senior research physicist at the Southwest Research Institute, has been appointed assistant professor of physics at Rolla.

Norman Rostoker has been named manager of fusion and plasma physics at the General Atomic Division of General Dynamics in San Diego. Dr. Rostoker, who recently returned to General Atomic after serving as professor of physics at the University of California in San Diego, will direct the controlled-fusion program jointly sponsored by General Atomic and the Texas Atomic Energy Research Foundation.

C. Beat Meyer, presently on leave of absence from the University of Washington, has been named director of Industrial Research for the Sulphur Institute of Washington, D. C., and London.

Robert W. Estlin, formerly assistant professor of physics at the Illinois Institute of Technology, has been appointed associate professor of physics at Roosevelt University.

John G. Daunt, formerly professor of physics at Ohio State University, has been appointed professor in the Physics and Electrical Engineering Departments of Stevens Institute of Technology.

Robert D. Finch, most recently a post-doctoral fellow at the Physics Department of the University of California in Los Angeles, has joined the Department of Mechanical Engineering at the University of Houston as assistant professor.

Berthold Zarwyn has joined Bell Aerosystems Company as chief engineer of electro-mechanical and elec-

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4. **Ph.D. in Mathematics or Mathematical Statistics.** To teach undergraduate courses of mathematical statistics as well as general courses in Mathematics. Encouraged to participate in Solid State applied research.

Contact Dean Marion L. Shane,
113 Sharia Kasr El Aini, Cairo,
U.A.R.

tronic systems. Dr. Zarwyn came to Bell from a position as corporate consultant and assistant to the executive vice president and technical director of Airborne Instruments Laboratory.

Alfred A. Kraus, Jr., professor of physics at West Texas State University in Canyon, has been appointed director of the University's Killgore Research Center. Ernest C. Carlson, formerly of the University of Kansas' Low-Temperature Group, has joined the West Texas faculty as assistant professor of physics.

Joseph G. Hirschberg, formerly head of the optical section of the Plasma Physics Laboratory at Princeton University, has been appointed professor and chairman of the Department of Physics at the University of Miami. New assistant professors in the Miami Department are James C. Nearing, formerly teaching assistant at Columbia University, and Joseph H. Wojtaszek, formerly research assistant at the University of Rochester. Oktay Sinanoglu of Yale University and Julian S. Schwinger of Harvard University have accepted invitations to lecture at the Miami Center for Theoretical Studies.

Yutze Chow has been promoted from assistant professor to associate professor in the Department of Physics at the University of Wisconsin. Hiroshi Ezawa, theoretical physicist on leave from Tokyo University, has been appointed visiting associate professor in the Department. De Wayne Johnson, electron-diffraction experimentalist from the Bell Telephone Laboratories, has received a joint appointment as assistant professor in the Wisconsin Physics Department and its College of Applied Science and Engineering.

Martin Packard has been named vice president of Varian Associates Analytical Instrument Division. He was most recently the Division's general manager. Edward Fryer, formerly professor of physics at Pomona College, has been named general manager of the Quantum Electronics Division of Varian's Instrument Group.

James E. Barry has been promoted from senior physicist to head of the Radiation Physics Group at the

Lowell Technological Institute Research Foundation.

Marshall Fixman, former professor of chemistry at the University of Oregon and director of its Institute for Theoretical Science, has been appointed professor of chemistry at Yale University.

J. Mayo Greenberg, professor of physics at Rensselaer Polytechnic Institute, is currently spending a six-month leave of absence at the Institute for Advanced Study's School of Mathematics in Princeton, where he is engaged in astrophysical research. Walter Eppenstein, associate professor of physics, is on leave of absence from the RPI faculty until next June. He is serving as an honorary research associate at the Harvard University research project for the development of a new physical science course.

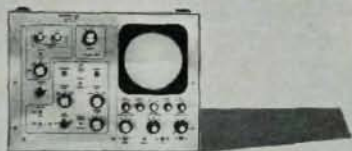
Melvin Ferentz, associate professor of physics at St. John's University in Jamaica, N.Y., has been promoted to full professor and named chairman of the Physics Department. He succeeds Edward A. Burke, associate professor in the Department, who will be spending the coming academic year on sabbatical leave of absence at Brookhaven National Laboratory. James Joseph has been promoted from associate to full professor in the Department, and Fang-cher Chang has been advanced from assistant to associate professor. New appointments at St. John's include Gabriel Sunshine, former instructor in physics at New York University, as assistant professor and Eugene Butkov, assistant professor at Hunter College, as visiting assistant professor.

Elizabeth M. Rona, staff member of the Special Training Division at Oak Ridge Institute of Nuclear Studies, has joined the University of Miami as professor in the Department of Chemistry and the marine laboratory.

Richard M. Drisko, former associate professor of physics at the University of Pittsburgh, has joined the Oak Ridge National Laboratory as a research staff member.

New appointments to the Union Carbide Research Institute's Space Sciences Group in Tarrytown, N.Y.,

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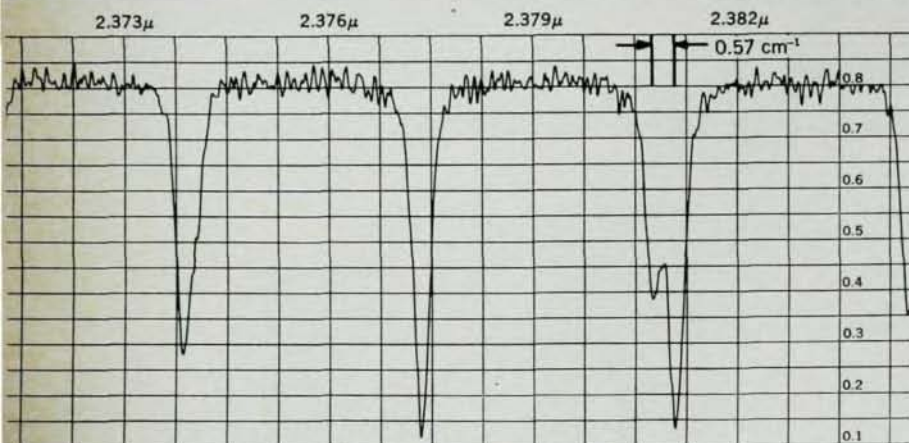
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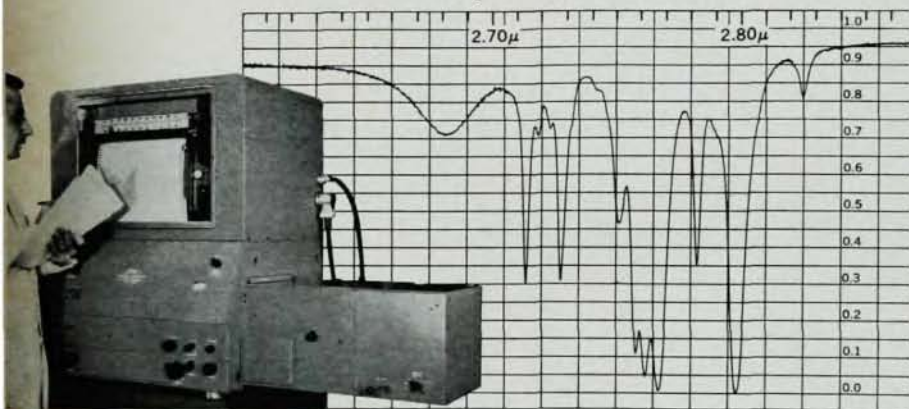
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include those of **Henry Brysk**, former manager of the Theoretical Physics Section of United Nuclear Corporation, as staff physicist and **Charles R. Marotta**, previously a senior scientist at United Nuclear, as staff analyst. **Frank J. LoSacco**, previously assistant group leader in the Physics Department of Union Carbide's Mining and Metals Division, has been transferred to Tarrytown as a staff physicist in the same group.

Lloyd C. Bagby, formerly professor and head of the Physics Department at the Detroit Institute of Technology, has become vice president of the International Casting Corporation's plant in New Baltimore, Mich.

Richard W. Vook, formerly of the Franklin Institute Laboratories, has been named associate professor of metallurgy at Syracuse University.

John Knight, former assistant to the chief scientist of the British Royal Navy, has been named senior physicist in the Defense Systems Analysis Division of Operations Research Inc.

New assistant professors in the Department of Physics at Northeastern University include **Jonas Alster**, former research assistant professor at the University of Washington, **Bernard Gottshalk**, former research associate at Harvard University, **George Leung**, former visiting scientist at the International Center for Theoretical Physics in Trieste, Italy, **Y. N. Srivastava**, former research associate at the University of California in Riverside, and **Eberhard von Goeler**, former research associate at the Deutsches Elektronen Synchrotron in Hamburg and visiting instructor at Northeastern. **George Glass**, formerly associated with the Laboratory of Nuclear Science at the Massachusetts Institute of Technology, has been appointed research associate at Northeastern.

Marvin Gettner has been promoted from assistant professor to associate professor in the Northeastern Department. **Ronald Aaron** is spending a year's leave of absence at the Goddard Space Flight Center, and **Michael Glaubman**, associate professor of physics, will spend a year as visiting associate professor at the University of Illinois.