WE HEAR THAT...



SANDS

Matthew Sands, professor and deputy director of the Stanford Linear Accelerator Center, has been appointed vice chancellor—Sciences and professor at the University of Cali-

fornia, Santa Cruz. He has taught at MIT and at Cal Tech, where he participated in the design, construction and use of a 1.5-GeV synchrotron. At Stanford he was one of the leaders in the construction of the two-mile linear accelerator, the world's most powerful. He has also worked on a number of disarmament studies that eventually led to his serving as a consultant to the US Arms Control and Disarmament Agency.

Replacing Sands is Sidney D. Drell, a theoretical physicist who is also an accomplished violinist, occasionally playing with the Stanford Symphony Orchestra.

Other appointees at UCSC are Clemens A. Heusch from Cal Tech, to professor; Roger L. Douglass from American University of Beirut, to associate professor; Frank G. Bridges from University of California, San Diego, Charles Y. Prescott from Cal Tech, Ashok Suri from Cornell University, to assistant professor; and William L. Burke from Cal Tech, to lecturer.

Promoted to general manager of the Raytheon research division is Luther Davis Jr. He replaces Martin Schilling, who will continue as vice-president of research and development.

Among the 135 new members of the American Academy of Arts and Sciences are Anthony Turkevich, the James Franck Professor of Chemistry, and William H. Zachariasen, the Ernest DeWitt Burton Distinguished Service Professor of Physics, both of the University of Chicago.

A. F. A. Harper has been installed as president of the Australian Institute of Physics for 1969–70.

Elected Fellows of the Royal Society are A. H. Cook, H. M. Finniston, Alan

Walsh, Robert L. F. Boyd, William R. S. Garton, Charles W. Oatley and A. W. Merrison.

Dixon Callihan and the Critical Experiments Facility, with which he has been associated since 1946, have been administratively transferred from the Oak Ridge National Laboratory to the Y-12 Plant.

New director of research at the Fulmer Research Institute in the UK, succeeding E.A.G. Liddiard, is W. E. Duckworth.

John C. Villforth has been appointed director of the Environmental Control Administration's Bureau of Radiological Health. He succeeds Raymond T. Moore, who has been appointed associate commissioner of ECA.

Milos Seidl has joined the faculty as professor of physics at Stevens Institute of Technology. He was the first to discover experimental evidence for the negative-mass instability.

Charles S. Roberts has been promoted to head of the Computing Technology Dept at Bell Telephone Laboratories in Murray Hill, N.J. His responsibility will be technical support and man-



ROBERTS

agement of the computer center there. After joining Bell Labs in 1963, he became involved in research on the Van Allen belts and on the plasma physics of space. As a result of extensive space-satellite research, he formulated a theory that radio noise in the charged-particle gas surrounding the earth can cause a loss of electrons from the Van Allen belts.

William F. Swann is new director of sales development and product-planning for scientific photography at Eastman Kodak.

Nominations for the Society of Rheology officers are: president, Herschel Markovitz, Carnegie-Mellon University; vice-president, F. R. Eirich, Poly-

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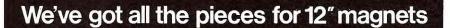
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technic Institute of Brooklyn; secretary, J. C. Miller, Union Carbide Corp; treasurer, R. E. Coulehan, Geigy Chemical Corp; editor, R. R. Myers, Kent State University. Nominated for members at large of the executive committee are: E. A. Collins, B. F. Goodrich Chemical Co, J. R. Knox, Avisum Corp, N. W. Tschoegel, Cal. Tech, and J. L. White, University of Tennessee.

Clovis R. Haden is new director of the Institute for Solid-State Electronics in the Electrical Engineering Department of Texas A&M University.

Roman Smoluchowski, Princeton University, has been named chairman of the Division of Physical Sciences, National Research Council. He received his MS in physics at



MS in physics at smoluchowski the University of Warsaw in 1933 and his doctorate in physics and mathematics at the University of Groningen in 1935. Smoluchowski, whose research interests are in theoretical aspects of solid-state physics, has made contributions to the understanding of reaction-mechanisms in solids and certain solid-state aspects of biology.

Alex Animalu, Jerry Peacher and Edward Hale have been appointed assistant professors of physics at the University of Missouri, Rolla.

Gilbert H. Nussbaum, formerly with the Atmospheric Physics Research Department of Bell Telephone Laboratories, is now assistant professor of physics at the University of Tennessee, Knoxville.

Lawrence R. Hafstad has retired as vice-president in charge of General Motors Research Laboratories.

Named to the Council of the National Academy of Sciences was Charles H. Townes, professor at large, Dept of Physics, University of California at Berkeley.

Arthur W. Warner Jr, has been awarded the fourth C. B. Sawyer Memorial Award for his contributions to the .development of high-frequency

thickness shear quartz resonators for precise frequency control and as an aid to the measurement of the intrinsic Q of quartz material.

Stanley G. Mason, McGill University, has been selected as the 1969 Bingham Medalist of the Society of Rheology. His research is on the physics and chemistry of paper and cellulose.

Frederick T. Wall, vice chancellor at the University of California, San Diego, has been appointed the first executive director of the American Chemical Society. He will supervise



WALL

and coördinate the wide range of activities of the society, which, according to Wall, "... must not divorce itself from its responsibility for improving human conditions."

Francis X. Hart has been appointed assistant professor of physics at the University of the South.

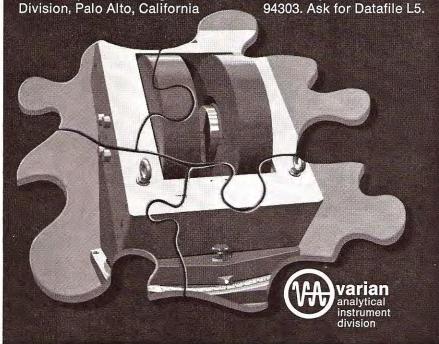
Donald A. Chisholm has been appointed vice-president, research and development, of the Northern Electric Co, Ltd, a subsidiary of The Bell Telephone Co of Canada.

Julius Cohen has joined the staff of the Institute for Applied Technology at the National Bureau of Standards, US Department of Commerce. Cohen, a member of the American Physical Society, will conduct his research on the piezoelectric effect in polymers.

Brian H. Flowers, Langworth Professor of Physics, University of Manchester, has received the honor of Knight Bachelor. His field is theoretical physics, especially nuclear studies.

Three new postdoctoral research fellows have been selected and three have been reappointed for a second year at the Center for Theoretical Studies of the University of Miami. The new appointees are Mario Dal Cin of the University of Munich, particle physics and biophysics; Michael Conrad, Stanford University, theoretical biophysics; and Michel C. Bergere, Purdue University, quantum field theory and general relativity. Named for a second year of residency are

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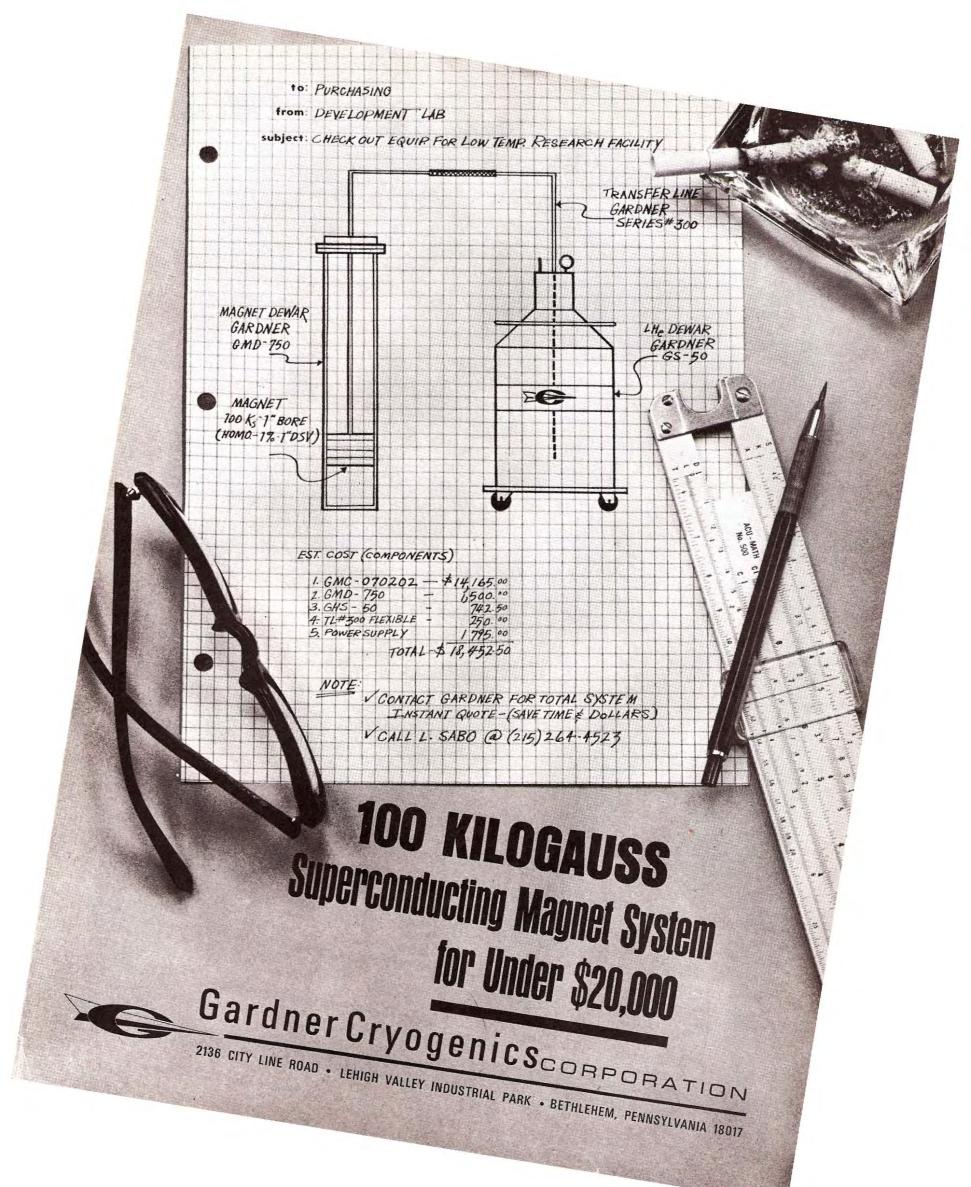
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Geoffrey Iverson, University of Adelaide, Australia, plasma physics; Gerhard Mack, U. of Munich, particle physics and biophysics; and Ruth M. Williams, Imperial College, London, plasma physics.

Walter G. Rothschild is an invited guest professor in the Departamento de Fisica, Facultad de Ciencias Exactas y Naturales, University of Buenos Aires.

At the University of Alabama, Huntsville, John F. Porter Jr, associate professor of physics, has been named dean of faculty. Recent appointments to professor of physics are J. S. Castle Jr, formerly of the University of Pittsburgh, and Francis C. Todd, formerly of Oklahoma State University. Godehard A. Guenther, Marshall Space Flight Center, will be visiting assistant research professor. C. H. Chan, Purdue University, will join the faculty in 1970 as associate professor.

The President has named Harold C. Brown, president of Cal Tech, to a five-man negotiating team for missile talks with the USSR.

Five Cornell University physicists are on leave for the 1969-70 academic year. Hans A. Bethe, winner of the 1967 Nobel Prize in Physics, will make a world tour that includes stops in Japan, Australia, India, Israel, Italy, Germany, Great Britain and Denmark. Vinay Ambegaokar, professor of atomic and solid-state physics, will spend the next two years as director of the Research Institute for Theoretical Physics of the University of Helsinki. Finland. Peter A. Carruthers, professor of nuclear studies and atomic and solid-state physics, will spend the year at Cal Tech as a visiting professor. Kenneth G. Wilson and Richard M. Talman, associate professors of physics and nuclear studies, will spend the year doing research at the Stanford Linear Accelerator Center in Palo Alto, Cal.

R. G. Alsmiller, Charles E. Clifford and Robert Peelle were appointed associate directors of the neutron-physics division at Oak Ridge National Laboratory.

John L. Simonds has been appointed head of the physics division of the Research Laboratories of the Eastman Kodak Co. He was formerly head of the information technology laboratory.

The University of Arkansas promoted S. M. Day to chairman of the physics department; G. T. Clayton and O. H. Zinke to professors; and A. S. Hobson and C. B. Richardson to associate professors; and F. T. Chan, formerly doing postdoctoral research at Cornell University, was appointed assistant professor.

Albert N. Guthvie has retired as professor and chairman of the physics department, Brooklyn College, to join the staff of the Office of Naval Research. He is succeeded by Carroll C. Trail.

Promoted to the position of associate scientist at the Dow Chemical Co is Ritchie A. Wessling.

Bernard Gittelman has been appointed associate professor of physics at Cornell University. In addition to regular teaching duties, Gittelman will supervise thesis work by physics graduate students working with Cornell's 10-GeV synchrotron.

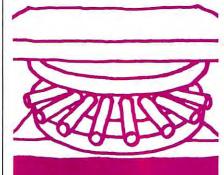
Halbert F. Gates, of Slippery Rock State College, has been appointed chairman of the department of physics, Bloomsburg State College.

Roger D. Hartmen was promoted to associate professor of physics at the University of Tulsa. A newly appointed staff member is William P. Moran, assistant professor.

The Faculty Council, the elected representative faculty governing body of the University of Colorado, elected Albert A. Bartlett to chairman.

W. A. Mills Honored for His Research in Health Physics

The Health Physics Society's annual Elda E. Anderson Memorial Award has been bestowd upon William A. Mills, a US Public Health Service radiological health-research scientist. Mills was commended for "research in health physics, particularly in neutron dosimetry, and in molecular biophysics; his public service in radiation protection; and his development of an outstanding bio-effects research program for the Public Health Service." Mills has been responsible for man-



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