

WE HEAR THAT...

Melvin Daybell, formerly on the staff at Los Alamos, joined the University of Southern California as associate professor of physics and engineering; he will continue at Los Alamos as a consultant.

Director of Research for Laboratories, RCA in Zürich is **Walter J. Merz**.

Harvey W. Lance of National Bureau of Standards, Boulder, was elected chairman of the National Conference of Standards Laboratories, succeeding **Charles E. White**. The chief of the new solid-state electronics section at Boulder is **Robert J. Mahler**.



MALHIOT

The Illinois Institute of Technology appointed **Robert J. Malhiot** professor and chairman of the physics department. Malhiot was previously an associate professor of physics and acting chairman of the dept. His field of special interest is theoretical physics, especially general relativity and gravitation.

Appointed director of the Research Applications Laboratory at TRW's Physical Research Center is **Harold E. Adelson**.

S. S. Penner was named vice-chancellor for academic affairs of the University of California, San Diego. He will continue as director of the Institute for Pure and Applied Physical Sciences.

Thomas F. O'Malley, of General Research Corp, will give a four-month series of lectures at the Queen's University of Belfast, Ireland.

The American Academy of Achievement has honored five scientists with its Golden Plate Awards: **Carl Eckart**, professor of geophysics, and **John H. Reynolds**, professor of physics, at the University of California; **Harold P. Furth** of the plasma physics laboratory at Princeton; **David Fultz**, department of geophysical sciences at the University of Chicago; and **John Toll**,

president of the State University of New York at Stony Brook.

Stuart L. Meyer was named associate chairman at Northwestern University and **Kundan Singwi**, from Argonne National Laboratory, professor. Appointed associate professor was **Robert Oakes**, from the Institute of Advanced Studies. New assistant professors are **Donald Ellis**, **Lawrence Welsh**, **Chia-Wei Woo** and **Michael Scardon**. On leave from The Technion, Israel, **Joshua Zak** is visiting associate professor.

The Naval Radiological Defense Laboratory appointed **Edward F. Gibson** one of its scientists-in-residence. He was formerly at the University of Oregon.

Emmanuel Meron is a visiting professor at the Johns Hopkins University, chemistry department.

The University of South Carolina has named as associate professor **Horacio A. Farach**, who has been visiting professor from the University of Buenos Aires. Promoted to associate professor is **Frank T. Avignone** and named assistant professors are **Julio Fernandez** and **Joseph Johnson**.

The International Commission on Radiation Units and Measurements created the **Louis Harold Gray** medal, honoring the late member and vice-president of the commission.

Robert J. Swenson has become chairman at Temple University. The former head of the statistical-physics section of the National Bureau of Standards, **Melville S. Green**, joined the department as professor. Appointed associate professors were **Sigurd Larsen**, formerly of NBS, and **J. M. J. van Leeuwen**, formerly with Nijmegen University, Netherlands and Rockefeller University.

The former department manager of the Physical Research Center of TRW Systems, **Marvin G. Ettinghoff**, joined Maiman Associate, Los Angeles, a technical investments counseling firm, as vice-president.

While acting as technical director of Heliodyne Corp, **Keith A. Brueckner** is on leave from the University of California, San Diego for the 1968-69 academic year.

Stavros Fallieros, of Bartol Research Foundation, became a professor at Brown University and **Jeremiah A. Cronin**, assistant professor. In the astrophysics program there **Michele Kaufman** of Harvard and **Lawrence F. Rossner** of Columbia have become assistant professors. **Luis Bel**, of the Institut Henri Poincaré, was named visiting professor.

The former group liaison scientist with the General Electric Research and Development Center in Schenectady, **Arleigh H. Markham**, has joined the staff of the American Society for Engineering Education in Washington, D. C.

Victor L. Pollak became associate professor and chairman of physics at the University of North Carolina at Charlotte.

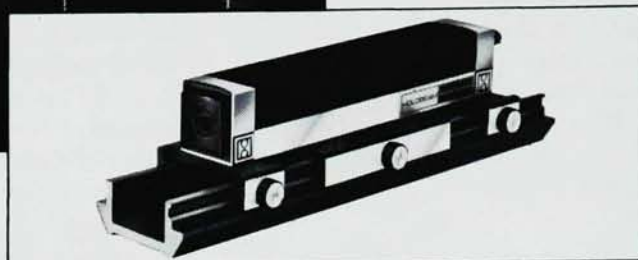
Oak Ridge Associated Universities elected **Arthur C. Menius** vice-chairman of the Council. He is dean of the School of Physical Sciences and Applied Mathematics at North Carolina State University.



GOLDMAN

Joining Xerox Corp as group vice-president, research and development, is **Jacob E. Goldman**. He will coordinate all technical operations and direct the research and engineering science division. Goldman was with the Ford Motor Co as director of its scientific laboratory at Dearborn, Mich.

Alexei A. Maradudin has become chairman of the physics department of the University of California, Irvine. He succeeds **Kenneth W. Ford**, who was elected chairman of the Academic Senate. Joining the department are **Alfred M. Bork**, formerly of Reed College, as professor; **Gerard Van Hoven**,



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Michael Moe, **Mark Mandelkern** and **George Reiter** as assistant professors. **Gordon Shaw** has been promoted to professor and **Myron Bander** to associate professor.

At the International Atomic Energy Agency **André Finkelstein**, France, became deputy director general for the department of research and isotopes. He succeeds **Henry Seligman** of the United Kingdom. Director of the new division of publications is **Heinrich Metzendorf**.

Named manager of the microwave semiconductor division of Solitron Devices, Inc is **Barry G. Cohen**.

Heinrich Hora, of the Institut für Plasmaphysik, Garching bei München, Germany, is an adjunct associate professor at Rensselaer Polytechnic Institute-Hartford Graduate Center.

The University of Washington, Seattle, appointed **Arnold B. Arons**, formerly of Amherst, professor. New associate professors are **David G. Boulware** and **Lowell S. Brown** and **Joseph E. Rothberg**, both from Yale. Assistant professors are **Naren F. Bali** and **Oscar Vilches**. **Edward M. Purcell** of Harvard has become Battelle Distinguished Professor for a six-month period commencing in February.

Solomon Zwerdling of the MIT Center for Materials Science and Engineering has become research scientist at Douglas Advanced Research Laboratories.

Named head of the physics dept at George Mason College of the University of Virginia is **William C. Johnston** from the Carnegie Institute of Technology.

The New York Institute of Technology promoted **Gabriel Sunshine** and **Miriam Sidran** to professor. **William Alling** of Moorhead State College, **Shin-R Lin** of the University of Massachusetts and **Pratip N. Raychowdhury** of George Washington University have been named associate professors. Appointed assistant professor was **Joseph Zorskie**.

Formerly with Bell Laboratories, **J. Wilhelm Kluver** is now chief executive of Experiments in Arts and Technology.

Stanley A. Golden joined Aerojet-General Corp as associate scientist. He was formerly with North American Rockwell.

At the New Mexico Institute of Mining and Technology **Peter D. Noerdlinger**, formerly of the University of Iowa, was named associate professor and **Elliott P. Moore** assistant professor.

KMS Industries named **Louis Cutrona** staff vice-president. **Arthur Cox**, of Bell and Howell Co., succeeds him as vice-president of the optics division. Promoted to assistant director, optics division, was **Gary Cochran**.

Bruce W. Shore of Harvard has become associate professor at Kansas State University; named assistant professors are **Gregory G. Seaman** from Rutgers and **James R. Macdonald** from the Niels Bohr Institute.

Appointed deputy assistant director in the office of the director of Defense Research and Engineering is **S. Benedict Levin**.

Henry W. Knerr has retired after 32 years with the Pennsylvania State University, where he was a professor of physics and associate dean of the graduate school.



STITCH

Malcolm L. Stitch has joined the Korad department of Union Carbide Corp as assistant general manager. He will be responsible for commercial and military laser product lines and research-and-development activities. Stitch was with Hughes Aircraft Co., where he was recently chief scientist-lasers of the research and development division.

Fulmer Research Institute in Stoke Poges, Bucks, UK appointed **W. E. Duckworth** as director-designate.

De Paul University has named **Thomas G. Stinchomb** chairman of the physics department. He was formerly a senior physicist at IIT Research Institute. Newly appointed assistant professors are **Margaret M. Stautberg** from the University of Kentucky and **Suhair M. El Saffar** from Johns Hopkins University.



NORDSIECK

The new director of the physics department at General Research Corp is **Arnold T. Nordsieck**. He will lead research in subjects such as aerodynamics, lasers and atmospheric physics and chemistry. Prior to his position with General Research, Nordsieck was with the physical-science department of General Motors Defense Research Laboratories.

Walter G. Driscoll joined the staff of St Vincent Hospital in Worcester, Mass. as director of research and facilities development and of the new department of biomedical engineering.

The University of Utah promoted **Haven E. Bergeson**, **John W. DeFord** and **Owen W. Johnson** to associate professor. **Michael O. Larson** was appointed research assistant professor.

Nicholas J. Grant, professor of metallurgy, has been appointed director of the Center for Materials Science and Engineering at MIT.

At Los Alamos **Edmund O. Fiset** joined the theoretical division. Other divisional appointments include **George F. Auchampaugh**, physics; **Ronald S. Dingus**, weapons; **Edward D. Theriot**, medium-energy physics; and **Merlyn S. Krick**, nuclear propulsion.

Julian D. Cole of Cal Tech has become the first faculty research fellow of the Flight Sciences Laboratory, Boeing Scientific Research Laboratories.

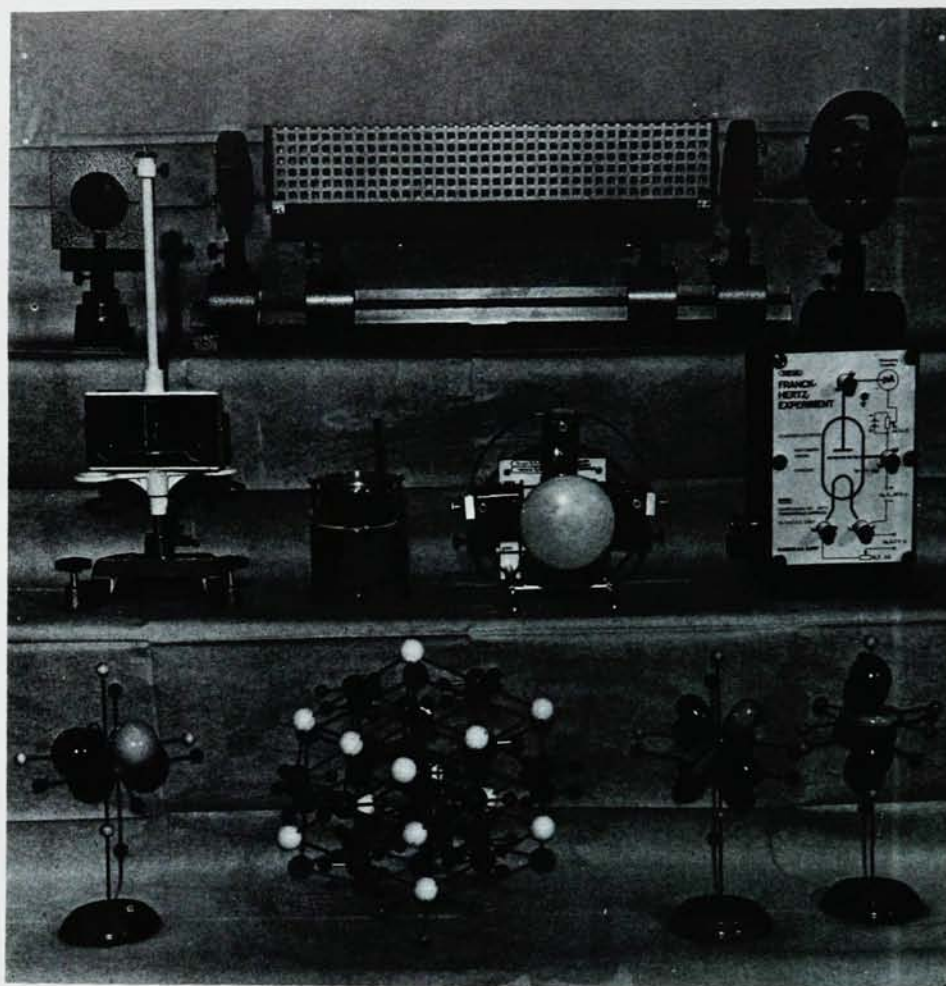
New assistant professors at Mississippi State University are **Clayborne D. Taylor**, formerly of Sandia Corp; **F. Glenn Liming** of Duke; and **Joseph L. Ferguson**, formerly of Vanderbilt University.

Becoming senior scientist at American Science and Engineering, space division is **Daniel R. Parsignault**, former assistant professor at Ohio State University.

Professor and physics chairman at Colorado State University is **John R. Neighbours**. **Prakash Chand** and **Chiao-Yao She** have been appointed assistant professors. Promoted to as-

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sociate professors are **John Raich** and **Marvin Heller**.

Promotions at Ripon College are **Hla Shwe** to associate professor and **Wayne Broshar** to assistant professor.

Brown University named **Robert T. Beyer** chairman of the physics department, succeeding **Philip J. Bray**, who is studying in England during a one-year leave.

H. T. Darracott became deputy chief of the operations-analysis division of Advanced Concepts Agency. He was formerly with the Army Material Command.

Frederick Seitz Awarded Herbert Hoover Medal

Frederick Seitz was awarded the 1968 Herbert Hoover Medal for Distinguished Service by the Stanford Alumni Association. He is the retiring president of the National Academy of Sciences and newly elected president of Rockefeller University.

Seitz's research has been in solid-state and nuclear physics and he has served as dean and vice-president for research at the University of Illinois. Science adviser to the North Atlantic Treaty Organization in 1959 and 1960, he was also a civilian member of the National Defense Research Committee and consultant to the Secretary of War during the second world war.

President of the American Physical Society in 1961, he was also chairman of the governing board of the American Institute of Physics from 1954-59.

Svestka, Czech Astrophysicist, Receives Guggenheim Award

Zdeněk Svestka, head of the solar department of the Astronomical Institute of the Czechoslovak Academy of Sciences, is the recipient of the Daniel and Florence Guggenheim International Astronautics Award. The award has been given annually since 1961 for contributions to space research and exploration in the previous five years. It includes a stipend of \$1000.

Svestka is on the staff of the Ondrejov Observatory and is professor of theoretical astrophysics at Charles

At Wisconsin State University W. **Parker Clark** became professor of physics emeritus. Succeeding him as chairman of the physics dept is **Frederick H. C. Schultz** from Washington State University.

Howard R. Bowen, president of the University of Iowa, was re-elected board chairman of Argonne Universities Association.

Russell D. Shelton, chief of the nuclear and plasma division at the Marshall Space Flight Center, Alabama, was named director of the Army Limited War Laboratory.

Moo Ung Kim joined Lycoming College in Williamsport, Pa.

University in Prague. His early work was concerned with photometric studies of the moon and variable stars, and he later became interested in research on solar flares and solar activity in general. He recently has concentrated on proton flares. Svestka is chairman of the Commission on Solar Activity of the International Astronomical Union and editor-in-chief of the monthly journal *Solar Physics*.

Franklin Institute Honors Theuerer, Duwez, Berger

Medal Day at the Franklin Institute honored 11 scientists and engineers for their achievements. Among the physicist winners were Henry C. Theuerer, receiving the Longstreth Medal, Pol Edgard Duwez, the Clamer Medal, and Karl Berger, the Levy Medal. The Michelson and Ballantine Medals went to Dennis Gabor and Chandra K. N. Patel, respectively (PHYSICS TODAY, November, pages 115 and 119). The institute's highest award, the Franklin Medal, was given to Marshall W. Nirenberg, for his role in breaking the genetic code.

Theuerer, who is with Bell Telephone Laboratories, was cited for "significant new ideas" in solid-state science and technology. He conceived and developed the floating-zone process, which is used to attain ultrapure samples of materials in single-crystal form.

In addition, he developed processes for producing epitaxial layers on silicon, many chemical means for preparing semiconductor raw materials and a



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