

fessors are **Charles F. Hooper Jr.** and **Earl M. Sawyer.** Appointments include **Sheo S. Prasad** from Arecibo Ionospheric Observatory to associate professor and **Samuel B. Trickey** of Texas A&M, **Henry R. Weller** of Duke and **James E. Purcell** of Case and Florida State to assistant professor. **Howard L. Cohen** of Indiana is assistant professor of astronomy.

Appointed the first fellows of the Cooperative Institute for Research in Environmental Sciences at the University of Colorado are **John C. Harrison**, **James W. Warwick**, **George Reid** and **James R. Wait.**

President of the Institute of Electrical and Electronics Engineers for 1969 is **F. Karl Willenbrock**, provost of the faculty of engineering and applied sciences at the State University of New York, Buffalo.

James R. Campbell, formerly of General Dynamics Corp, was named executive officer of Cornell University's Laboratory of Nuclear Studies.

New president of the USA Standards Institute is **Francis L. LaQue**, vice-president of the International Nickel Co. **Roy P. Trowbridge**, of General Motors, is vice-president.

APS Honors Hopfield, Thomas, Bunn and Slichter

At its 25 March meeting the American Physical Society will award its 1969 Oliver E. Buckley Solid-State Physics Prize to **J. J. Hopfield** and **D. G. Thomas**. **Charles W. Bunn** will receive the High Polymer-Physics prize and **Charles Pence Slichter** the Irving Langmuir Prize in Chemical Physics.

Endowed by Bell Telephone Laboratories, the Buckley prize recognizes theoretical and empirical contributions to solid-state physics and consists of \$1000 and a certificate. Hopfield and Thomas are cited "for their joint work combining theory and experiment which has advanced the understanding of the interaction of light with solids." Hopfield is a professor at Princeton and Thomas is with Bell Telephone Labs.

Charles Bunn, receiving the High Polymer-Physics Prize, is noted for his research on the crystal structure of

Formerly at the University of Illinois, **Joel A. Snow** was named associate program director for theoretical physics, division of mathematical and physical sciences, at the National Science Foundation.

At the Naval Radiological Defense Laboratory, **John W. Prichett** received a gold medal for producing solutions to previously intractable problems of incompressible fluid flow through original adaptations of techniques of advanced computer technology. He is with the ocean technology branch of the nuclear technology division.

Kurt E. Shuler, chairman of the chemistry department at the University of California, San Diego, has received the gold medal award from the Department of Commerce for his contributions to chemical physics.

New assistant professors at West Virginia University are **F. Burr Anderson** from Honeywell Research Center and **Richard P. Treat** from Giannini Scientific Corp.

Allen E. Fuchs has become chief scientist of the Air Force Aero-Propulsion Laboratory at Wright Patterson Air Force Base, Dayton, Ohio. He was formerly professor and department chairman of aeronautics at the Naval Postgraduate School.

macromolecules. He is presently with The Royal Institution. The prize, a certificate and \$1000, is sponsored by the Ford Motor Co.

A professor at the University of Illinois, Slichter was honored for "innovations in the applications of magnetic-resonance techniques to the understanding of the structural and dynamic properties of matter." The Irving Langmuir Prize recognizes interdisciplinary research in chemistry and physics. Established by the General Electric Foundation, it is given alternately by the American Chemical Society and APS. The award is \$5000 and a certificate.

Gell-Mann Receives 1968 Research Corporation Award

The 1968 Research Corporation Award went to **Murray Gell-Mann**, of the California Institute of Technology, for work in theoretical physics, especially

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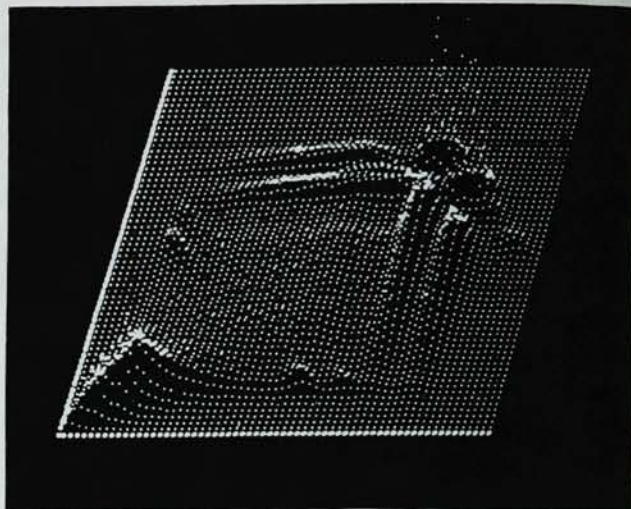
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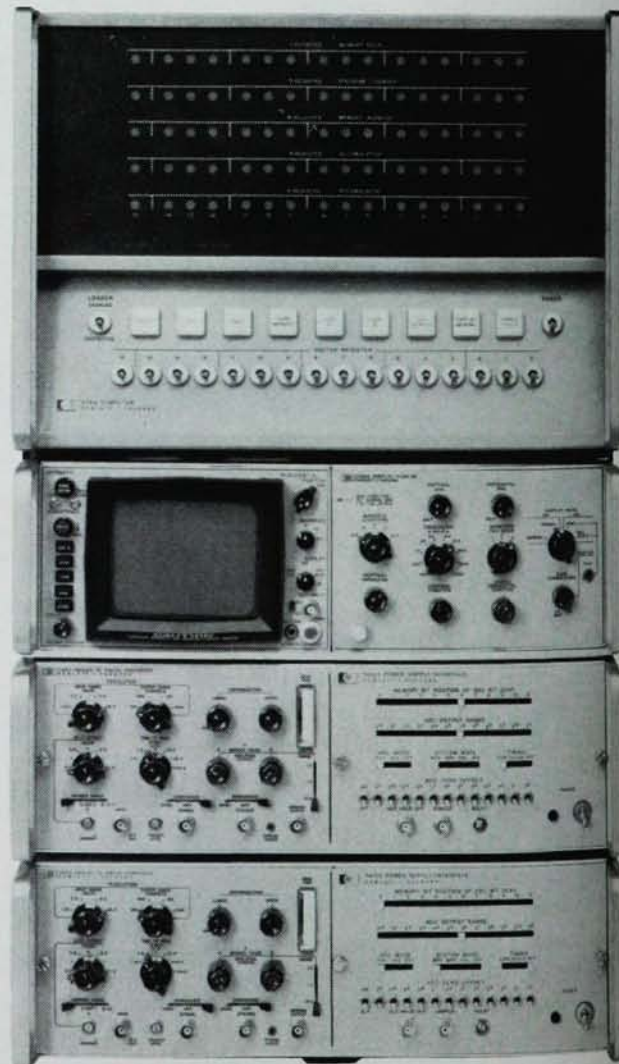
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This isometric display of Co^{60} coincidence spectra was generated by an HP 5406A Multiparameter Analyzer System using 64 x 64 channels.



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in elementary particles. The award includes a citation, plaque and \$10 000. A matching sum was given to Cal Tech.

Gell-Mann's $SU(3)$ theory predicted the omega-minus particle, which was subsequently found in experiments at Brookhaven National Laboratory (PHYSICS TODAY, April 1964, p. 57). Appointed Millikan Professor of Theoretical Physics in 1967 at Cal Tech, he was also visiting professor in 1967-8 at the Institute for Advanced Study at Princeton.

The Research Corporation, a foundation for the advancement of science, gives the award annually for major scientific contributions to human knowledge.

Geological Penrose and Day Medal to Wilson and Vine

The Geological Society awarded the Penrose Medal and the Arthur L. Day Medal to John Tuzo Wilson and Frederick J. Vine, respectively. The Penrose Medal, the society's highest award, honors research in pure geology; the Day Medal recognizes contributions to geology through the use of physics and chemistry.

Wilson is professor of geophysics at the University of Toronto and is known for his research on the physics of the earth and on intercontinental comparisons of geology. At Toronto, he initiated new applications of nuclear science to geology, especially in radiometric dating by the potassium-argon and lead methods.

A member of the geological and geophysical sciences department at Princeton University, Vine was a participant in the International Indian Ocean Expedition. He is currently interested in the paleomagnetic study of continental material, but is also continuing research in marine geology.

Maryland Young Scientist Award to Howel Pugh

Howel G. Pugh of the University of Maryland was the recipient of the Maryland Academy of Sciences 1968 Outstanding Young Scientist Award. Pugh was cited for his experiments on the structure of nuclear systems and their reactions, his contributions to cyclotron design and his role as a teacher. The award consists of \$500 and a gold medal.

Receiving a distinguished young

scientist certificate for physics was Raymond D. Mountain of the heat division, National Bureau of Standards. He was noted for his studies of relaxation processes in fluids and their effects on the inelastic scattering of light.

Coblentz Award to Zerbi For Infrared Spectroscopy

Guiseppe Zerbi from the University of Milan will receive this month the 1969 Coblentz Award for his work in theoretical spectroscopy, especially the elucidation of polymer structure.

The award is given annually by the Coblentz Society for contributions to infrared spectroscopy by a scientist younger than 36. The international society is named in honor of W. W. Coblentz, who was a pioneer in infrared spectroscopy at the National Bureau of Standards.

Royal Society Honors Gabor with Rumford Medal

The British Royal Society awarded its Rumford Medal to Dennis Gabor, staff scientist for CBS Laboratories. Given biennially for discoveries in light or heat, the award was presented to Gabor for contributions to optics and for the discovery of holography.

Gabor, also professor emeritus of the Imperial College of London, has been responsible for advancements in communication and color television. The Rumford Medal was founded in 1796 by Count Rumford (Benjamin Thompson).

OSA Tillyer Medal to Riggs; Richardson Medal to Cary

The Optical Society of America will give this month the Edgar D. Tillyer Medal to Lorrin A. Riggs and the David Richardson Medal to Howard Carey. Riggs is cited for his work in the electrophysiology and psychophysiology of the human visual system; Cary for his contributions to instrumentation design and production in areas from spectroscopy to chemical, medical and nuclear research.

Riggs is presently a professor at Brown University and was from 1960 to 1968 the L. Herbert Ballou Foundation University Professor. He now holds the Edgar J. Marston University Professorship in Psychology. Developing a method for recording the electroretinogram, he studied the electrophysiological and psychophysical ef-



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