

Metallurgical Engineers, he served the division as its chairman, as one of the founders of its Chemistry and Physics of Metals Committee, and in various other capacities. In the forties, he was one of a group of physicists, which included Charles Barrett, Clarence Zener and Frederick Seitz, that helped influence the division and the physical-metallurgy profession in general toward a scientific rather than an empirical approach, an orientation which has characterized an increasing fraction of the profession in the following years. He was a fellow of the American Physical Society.

Marvin Metzger
University of Illinois

Surain Singh Sidhu

The leader of the neutron diffraction group of the metallurgy division at Argonne National Laboratory, Surain Singh Sidhu, died on 7 Oct. in Downers Grove, Ill., after a short illness.

Sidhu, who was born in India in 1902, became a US citizen in 1929. He was educated at the University of Pittsburgh (PhD, 1937), served on its faculty from 1925 to 1947 and directed its x-ray laboratory from 1948 to 1950. The remainder of his career was spent at ANL. His special fields were x-ray, electron and neutron diffraction studies, the physics of radiology and x-ray, gamma-ray and electron radiography.

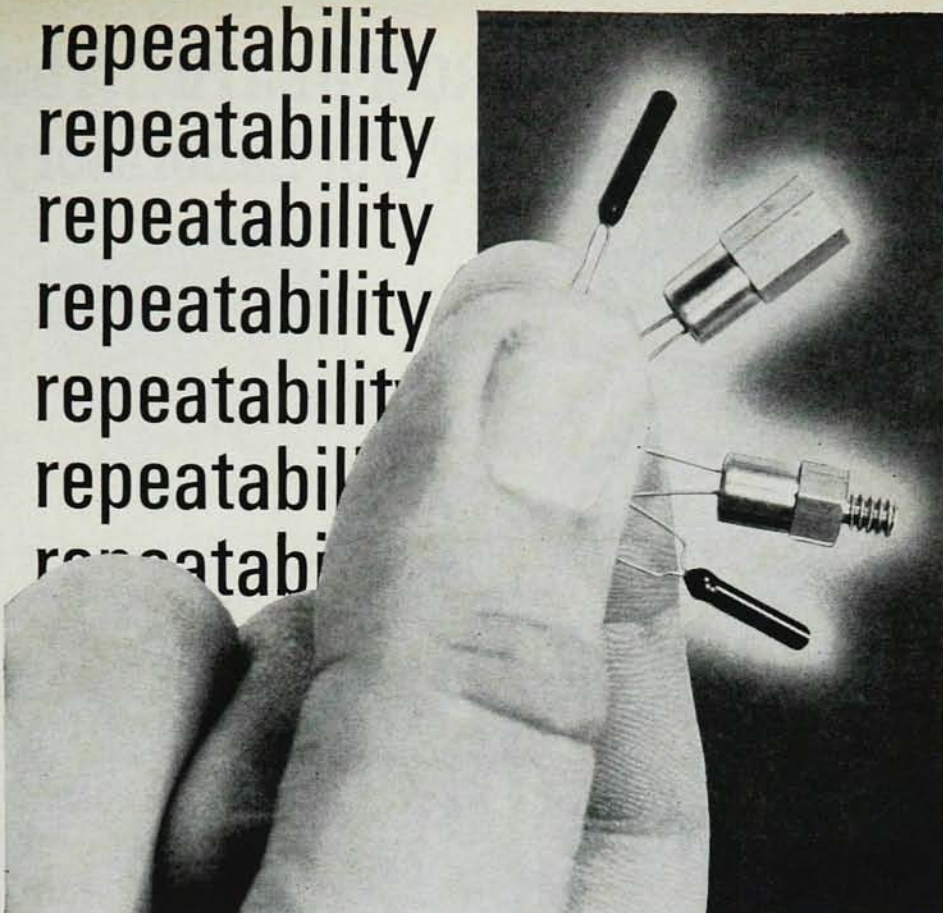
Sidhu was a fellow of the American Physical Society, and a member of the American Crystallographic Association and the American Association of Physics Teachers.

Theodore Merkle

The associate director for physics at the Lawrence Radiation Laboratory, Theodore Merkle, died on 12 Aug. of cancer.

Merkle was born in Toledo, Ohio and educated at the University of Michigan. After guided-missile research with the Navy during World War II, he took his doctorate at the University of California at Berkeley. He joined LRL as a physicist in 1953 and became an associate director there in 1959. A reactor physicist, he worked on weapons and propulsion projects. □

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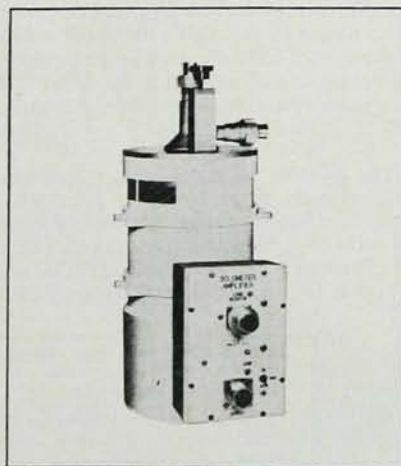
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