

emeritus at California Institute of Technology, died last spring at his ranch home in Mendocino, Calif. Benioff was known for his research in seismology and for his design of seismological instruments. This work was recognized by membership in the National Academy of Sciences.

He was presented with the Arthur L. Day Gold Medal by the Geological Society of America for helping to solve geological problems through physics and chemistry. Prior to his work at the institute seismological laboratories, he was with the Carnegie Institute in Washington.

Robert W. Crowe Dies; Former Lockheed Engineer and Editor

Robert W. Crowe, staff research engineer of Lockheed Electronics, died at age 46 in his home in Webster, Texas. Crowe's field was gaseous electronics, including gaseous insulation, electric breakdown in gases and quenching of gaseous ionization.

A member of the American Physical Society, Crowe also worked actively with the Conference on Electrical Insulation and Dielectric Breakdown. During his short career Crowe was granted several patents, served as American editor of the international journal, *Dielectrics*, and contributed as author or coauthor of nearly 30 papers.

He studied physical chemistry at Princeton under Charles P. Smyth and was granted his PhD there in 1951. Later he was employed in research activities at General Electric Research Laboratory, Thomas A. Edison Laboratory, Franklin GNO Corp and Lockheed Electronics.

Yale K. Roots Was Teacher at NYU, Findlay and Western

On 28 Aug. Yale Kirby Roots died after a short illness. He was a professor at New York University and served as department head at Findlay and Western colleges, both in Ohio. After retiring from teaching, he was a research physicist for the US Naval Propellant Plant in Indian Head, Md. He was a member of the American Physical Society, the Optical Society of American and the American Association of Physics Teachers, from which he received a distinguished service citation in 1961. □

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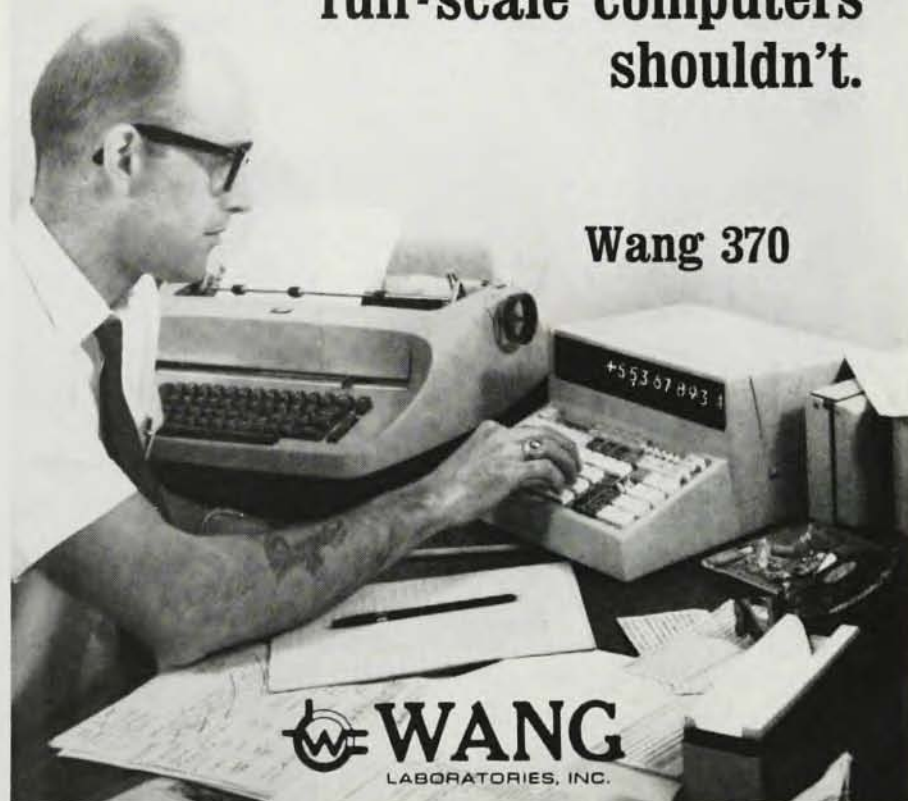
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