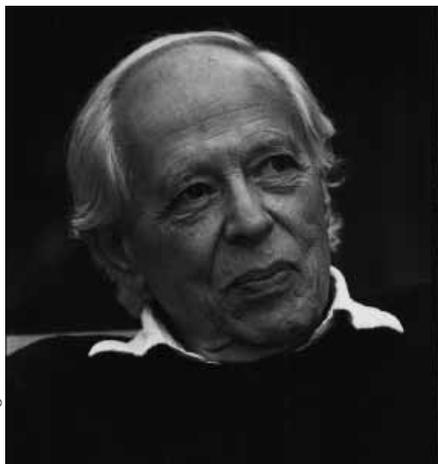


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## CONTRIBUTORS

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J. Seising

**ABRAHAM (BRAM) PAIS** is the Detlev W. Bronk Professor Emeritus of The Rockefeller University. Born in Amsterdam in 1918, he earned his Ph.D. degree from the University of Utrecht in 1941 and emigrated to the United States after World War II. In the 1950s he introduced the concept of associated production, which governs the behavior of strange particles, and developed the idea of particle mixing. He resides in New York City and Copenhagen, Denmark.

Among his many publications is *Subtle is the Lord: The Science and Life of Albert Einstein*, which in 1983 won the American Book Award for Science and the American Institute of Physics Science Writing Award. His other books include *Inward Bound, Niels Bohr's Times* and *Einstein Lived Here*. For his extensive contributions to the public understanding of science, he received the 1993 Gemant Award of the American Institute of Physics and the 1995 Lewis Thomas Prize.

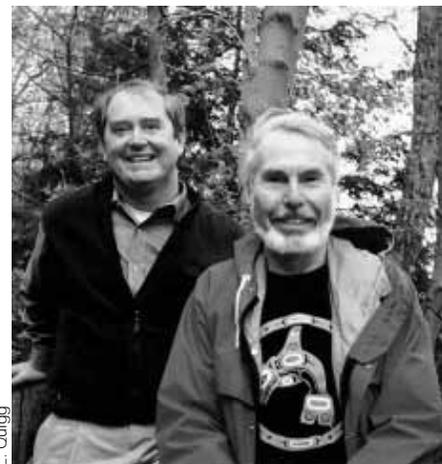


L. Weinberg

**STEVEN WEINBERG** is a member of the Physics and Astronomy Departments at the University of Texas, and the founding director of its Theory Group. His work in physics has been honored with the Nobel Prize, the National Medal of Science, the Heinemann Prize in Mathematical Physics, 13 honorary doctoral degrees, and election to the National Academy of Sciences, the Royal Society, the American Philosophical Society, and the American Academy of Arts and Sciences.

He is the author of over 200 scientific articles, one of which is the most cited article of the past 50 years in particle physics, and seven books of which the most recent is *The Quantum Theory of Fields*.

Educated at Cornell, Copenhagen, and Princeton, he taught at Columbia, Berkeley, MIT, and Harvard before coming to Texas in 1982.



L. Quigg

**CHRIS QUIGG**, left, is a member of the Theoretical Physics Department at Fermilab and Visiting Professor at Princeton University. His Ph.D. research at Berkeley was more distant from quarks and gauge fields than today's students can possibly imagine. It nevertheless began his lifelong engagement with experiment and his close association with J. D. Jackson (right), who is teaching him still.

A recurring theme in Quigg's research is the problem of electroweak symmetry breaking and the exploration of the 1 TeV scale. His current interests include mesons with beauty and charm, the top quark, and neutrino interactions at ultrahigh energies. He is also at work on a second edition of *Gauge Theories of the Strong, Weak, and Electromagnetic Interactions*.