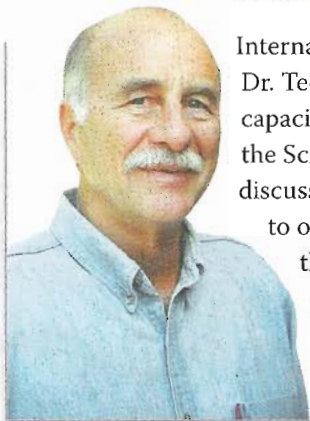


# CUESTA

# Visitors

## Prominent Mathematician Addresses Cuesta Students



Internationally renowned mathematician and Los Osos resident Dr. Ted Hill presented a lecture on “fair division” problems to a capacity crowd of students, faculty and guests this past March in the Science Forum on the San Luis Obispo campus. The lecture discussed recent mathematical devices that have been developed to offer simple solutions to many fair-division problems and how they have influenced major decisions throughout history.

Dr. Hill is a Professor Emeritus of Mathematics at Georgia Tech and a Research Scholar in Residence at Cal Poly.

He earned his bachelor's from West Point, master's from Stanford and doctorate in Mathematics from UC Berkeley.

He has also held visiting appointments around the globe pursuing his research interests of probability theory, fair division and Benford's Law.

Dr. Hill is tentatively scheduled to present another lecture on Benford's Law this upcoming fall semester. Benford's law also called the first-digit law, states that in lists of numbers from many real-life sources of data, the leading digit is distributed in a specific, non-uniform way. Benford's law is named after physicist Frank Benford, who stated it in 1938, although it had been previously stated by Simon Newcomb in 1881 in his paper “Note on the Frequency of Use of the Different Digits in Natural Numbers”. Dr. Hill accomplished the first rigorous formulation and proof in 1988. Since Dr. Hill's ground breaking work, Benford's law has been applied in the fields of fraud detection and in cryptography related to signal analysis for national intelligence agencies.