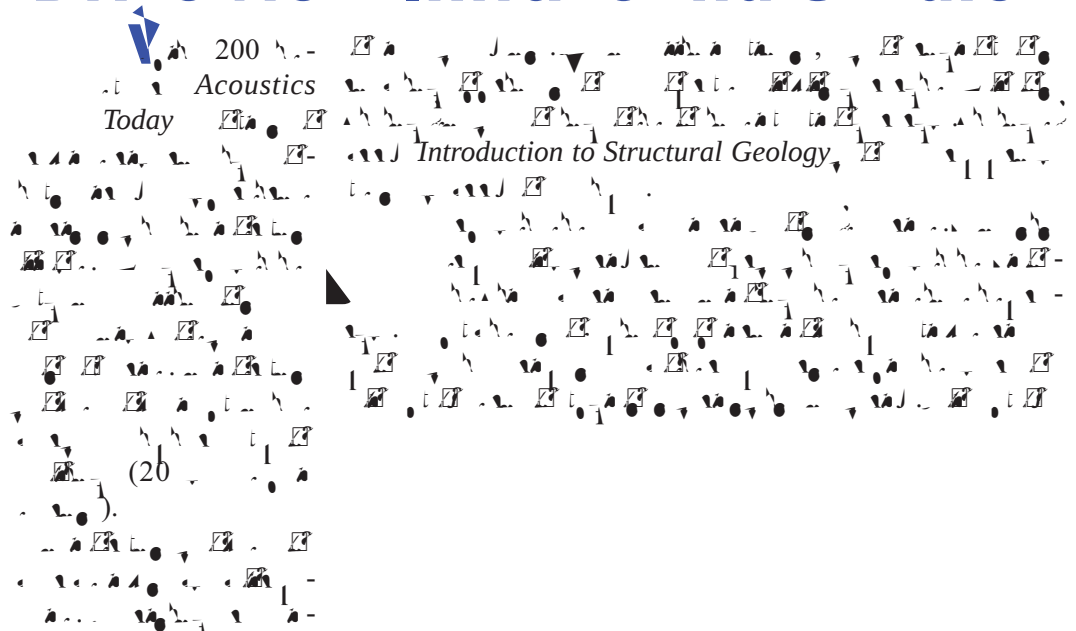


GEOLOGY *at SMU*

Geology at SMU is a dynamic and exciting field of study. In 200

Exploration, Drilling, and Seismicity



Professor Gene Herrin leading an undergraduate field trip into the Arbuckle Mountains, Oklahoma.

β (the probability of a false positive) is the probability of rejecting the null hypothesis when it is true. (The probability of a false negative is α .) The probability of a false positive is the probability of rejecting the null hypothesis when it is true. The probability of a false negative is the probability of failing to reject the null hypothesis when it is false. The probability of a false positive is the probability of rejecting the null hypothesis when it is true. The probability of a false negative is the probability of failing to reject the null hypothesis when it is false.

versus the probability of a false negative. The probability of a false positive is the probability of rejecting the null hypothesis when it is true. The probability of a false negative is the probability of failing to reject the null hypothesis when it is false.

100,000. The probability of a false positive is the probability of rejecting the null hypothesis when it is true. The probability of a false negative is the probability of failing to reject the null hypothesis when it is false.



The predominance of chondrites suggests that the planets accreted by collisions of mechanical mixtures of high & low temperature materials and not by pure chemical condensation from the nebula. C stands for carbonaceous chondrite (the O and V stand for a type locality; the * stands for Allende). LL stands for very low iron; L, low iron; and H, high iron. Types 1 and 2 exhibit aqueous alteration whereas Types 3 through 6 indicate increasing degrees of metamorphism (modified from Wood, 1990, *NASA S₃ E*). The meteorites on Earth today mainly originated from the asteroid belt; a few types are now thought to be from Mars and the Moon; the latter are all members of the achondritic group (right column). The Martian achondrites are identified on the basis of their noble gas ratios which are similar to those measured by NASA's Viking Mission and

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