

GENEALOGY DATABASE ENTRY

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Quimby, Shirley Leon

1893 - 1986

DEGREE: PhD

DATE: 1925

PLACE: Columbia

TEACHER/RESEARCH ADVISOR: Wills

pioneered the use of quartz crystals to make precise measurements of elastic constants of solids; developed the composite oscillator, a device consisting of a piezoelectric quartz crystal serving as an ultrasonic driver cemented to a second crystal to be studied; showed that from the resonant frequency of the composite oscillator you could obtain the elastic constant and internal friction for the crystal being studied; studied magnetic phenomena, internal friction due to crystal dislocations, and ordering phenomena in Cu_3Au ; investigated the complex calendar of the Maya Indian civilization.

1. *Physics Today* **1986**, 39(11), 119-121.