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 Cu₃Au; investigated the complex calendar of the Maya Indian civilization.