

The **RESEARCH SCHOLARS IN RESIDENCE PROGRAM** at Cal Poly
is pleased to present a
LECTURE
for the University and local community.

*What do cakes, divorces, inheritances, eBay auctions and disarmaments
all have in common? Find out at the upcoming lecture:*

GETTING A FAIR SHARE



by

Dr. Ted Hill

**Cal Poly Research Scholar
in Residence**

**Tuesday, Jan 29th
7:00 pm**



Cal Poly Kennedy Library, Room 510-B

Light refreshments will be served.

Since the dawn of history, people have bickered and battled over fair allocation of resources -- the division of estates, disputed territories, and spoils of war. Such dilemmas have for the most part been resolved unilaterally, by kings like Solomon, by judges, or by brute force. Few truly logical solutions evolved. In the past 50 years, however, a number of mathematical devices have been discovered that offer elegant, practical, and often surprisingly simple resolutions to many problems in fair-division.

This lecture, aimed for the lay scientific audience, will discuss some of these discoveries, how they led to solutions for fair-division problems from ancient Babylon and Egypt, for practical everyday problems such as dividing a cake or choosing a leader fairly, and for modern political problems such as disarmament.

Dr. Hill is Research Scholar in Residence at Cal Poly, and Professor Emeritus of Mathematics at Georgia Tech, and has published extensively about Fair Division.

Sponsored by the Office of Research and Graduate Programs.