



# Society for Undergraduate Mathematics

presents a documentary by

## Dr. Vicki Hill

on the life and work of

# *Constantin Carathéodory*

Thursday, April 15, 2004

12:00 in 617 Wachman Hall

The mathematician Constantin Carathéodory (1873-1950) received his Ph.D. in 1904 at the renowned University of Göttingen (under Hermann Minkowski). After teaching at various German universities he moved to the University of Smyrna at the request of the Greek government, but when the Turks invaded he saved the library and moved to Athens. Then he moved back to Germany, teaching at the University of Munich for the rest of his career.

Carathéodory made significant contributions to the calculus of variations, measure theory, and the theory of functions of several variables. He added important results to first-order partial differential equations and conformal representations of simply connected domains. He wrote several important works, including the 1950, two-volume masterpiece, *Funktionentheorie*.

Dr. Hill will screen her half-hour documentary on the life and work of Carathéodory. Afterwards she will answer questions about her work, which is a product of a doctorate in mathematics and a master's degree in film.

Everyone is invited to bring lunch to the screening. The probability that popcorn will be supplied is  $\sum_{n=0}^{\infty} \frac{1}{2^{n+2}}$ .

