

# **Crafoord Prize 1983**



**Crafoord Prize Lectures presented at the  
Royal Swedish Academy of Sciences, Stockholm,  
on September 28, 1983  
by Edward N. Lorenz and Henry Stommel**

**Tellus**

## **The 1983 Crafoord Prize awarded to Edward N. Lorenz and Henry Stommel**



Professor Henry Stommel (left) and Professor Edward N. Lorenz receive the 1983 Crafoord Prize from the hands of His Majesty, the King of Sweden.

In 1980 Dr. Holger Crafoord and Mrs. Anna-Greta Crafoord provided funds to the Royal Swedish Academy of Sciences for the award of a major scientific prize. Dr. Crafoord was the former director of the Gambro Company, which is engaged in the development and manufacture of scientific, particularly medical, instruments and equipment. It was prescribed that the prize should be awarded annually and consecutively within the fields of mathematics and astronomy, geosciences, biosciences (especially ecology), and polyarthritis.

The prize was awarded for the first time in 1982 to Professor V. I. Arnold, Moscow State University, U.S.S.R. and Professor Louis Nirenberg, Courant Institute of Mathematical Sciences, New York University, U.S.A. for their research on non-linear differential equations.

On the basis of a proposal from the section for Mineralogy, geology and physical geography (class V) and the section for Geophysics (class XI) the Academy selected the field of research concerned with the large scale motions of the atmosphere and the sea to be recognized for the 1983 prize in the field of geosciences. Professor Edward N. Lorenz, Massachusetts Institute of Technology, Cambridge, MA, U.S.A., and Professor Henry Stommel, Woods Hole Oceanographic Institution, Woods Hole, MA, U.S.A., were chosen as the recipients of the prize for "their fundamental contributions to the field of geophysical hydrodynamics which in a unique way have contributed to a deeper understanding of the large-scale motions of the atmosphere and the sea". At a ceremony on September 28, 1983 each winner received the prize and a Crafoord medal in gold from the hands of His Majesty, the King of Sweden.

A symposium on the subject area was arranged by the Academy, and was opened by presentations given by the two prize winners. The two lectures by Professor Lorenz and Professor Stommel are found on the following pages.

BERT BOLIN