

## **John Abelson, Karl Hostetler, Dan Lindsley and John Wheatley receive John Simon Guggenheim fellowships**

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Four University of California, San Diego faculty members are among 276 scholars, scientists and artists chosen to receive John Simon Guggenheim fellowships for 1980. The winners were chosen from among 3,066 applicants in the foundation's 56th competition.

The four UC San Diego Guggenheim Fellows are: Dr. John N. Abelson, professor of chemistry; Dr. Karl Y. Hostetler, associate professor of medicine in residence; Dr. Dan L. Lindsley, professor of biology, and Dr. John C. Wheatley, professor of physics.

The fellowships were awarded on the basis of demonstrated accomplishment in the past and strong promise for the future. The winners were selected by an academic committee based on applications and the worthiness of their research proposals. In all, 96 institutions are represented by one or more fellows.

Abelson, a member of the UC San Diego faculty for 11 years, is recognized as being a leader in the research of genetic regulation, particularly nucleic acid structure and function. As a Guggenheim Fellow he will continue his studies in this field through a proposal titled, "The Mechanism of Gene Expression in Higher Organisms."

Hostetler came to UC San Diego in 1973. His research interests are in phospholipid bile synthesis. He has traveled to Russia to study cancer cells to see if he could find any abnormalities in the way in which the Russians make phospholipids that might account for the differences sometimes found in phospholipids common to cancer cells. Hostetler's research proposal for his Guggenheim Fellowship is titled "Studies in the Biochemistry of Lipids."

Lindsley joined the UC San Diego faculty in 1967 and served as chairman of the Department of Biology from 1977 to 1979. He was elected to the National Academy of Sciences in 1973 and to the American Academy of Arts and Sciences in 1975. His research deals primarily with the genetics of fruit flies. His Guggenheim Fellowship proposal is titled "Studies in Chromosome Cytogenetics."

Wheatley, a member of the UC San Diego faculty since 1966, has worked in the area of low temperature physics and has conducted research primarily on liquid helium at temperatures close to absolute zero. He was elected to the National Academy of Sciences in 1975 and is a member of the American Physical Society. His research proposal for his Guggenheim Fellowship is titled "The Properties of Liquids Working in Heat Engines."

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