

# Imaging and Scholarly Communication

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## **Abstract**

Important changes that are underway in the demand for and production of digital images of objects of cultural heritage are likely to have substantial effects on the development of imaging science and technology. Research and teaching in a variety of disciplines, including especially those in the humanities, are increasingly dependent on imaginative and innovative uses of digital images. In fact, the broader and deeper demand for digital images in higher education, for example, both reflects and is stimulating remarkable changes in lines of inquiry and the development and transmission of knowledge in a variety of disciplines. Drawing on the author's experience in the early development of ARTstor and related imaging projects, this talk will attempt to characterize the accelerating demand for digital images in the cultural heritage arena, describe some of the various mechanisms that the cultural heritage community itself is creating to produce, disseminate, and maintain digital images in order to meet this demand, and to outline some of the implications and opportunities for the further development of imaging science and technology.

## **Biography**

Donald J. Waters is the Program Officer for Scholarly Communications at The Andrew W. Mellon Foundation. Before joining the Foundation, he served as the first Director of the Digital Library Federation (1997-1999), as Associate University Librarian at Yale University (1993-1997), and in a variety of other positions at the Computer Center, the School of Management, and the University Library at Yale. Waters graduated with a Bachelor's degree in American Studies from the University of Maryland, College Park in 1973. In 1982, he received his Ph.D. in Anthropology from Yale University. Waters conducted his dissertation research on the political economy of artisanry in Guyana, South America. He has edited a collection of African-American folklore from the Hampton Institute in a volume entitled *Strange Ways and Sweet Dreams*. In 1995-96, he co-chaired the Task Force of the Commission on Preservation and Access and the Research Libraries Group on Archiving of Digital Information, and was the editor and a principal author of the Task Force Report. He is also the author of numerous articles and presentations on libraries, digital libraries, digital preservation, and scholarly communications.