
The Public-Access Computer Systems Review

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COMMUNICATIONS

Edward A. Galloway and Gabrielle V. Michalek, The Heinz Electronic Library Interactive Online System (HELIOS): Building a Digital Archive Using Imaging, OCR, and Natural Language Processing Technologies

In February 1994, Carnegie Mellon University (CMU) embarked on a project to convert one million pages of the congressional papers of Senator John Heinz (R-PA) into digital format and to provide access to these papers through information retrieval software developed at CMU. To create the HELIOS database, documents are scanned, converted to ASCII form via OCR, verified and organized, and indexed using the CLARIT natural language processing software. The HELIOS project will develop three graphical user interfaces in a Microsoft Windows environment: a scanning interface, an archivist/verification interface, and an end-user interface. HELIOS will allow researchers to access the Heinz papers through the CMU campus network as well as through the Internet.

- o HTML file

World-Wide Web:

<http://info.lib.uh.edu/pr/v6/n4/gall6n4.html>

- o ASCII file

Gopher:

<gopher://info.lib.uh.edu:70/00/articles/e-journals/uhlibrary/pacsreview/v6/n4/galloway.6n4>

List Server:

Send the e-mail message GET GALLOWAY PRV6N4 F=MAIL to
listserv@uhupvm1.uh.edu.

COLUMNS

Casting the Net

Priscilla Caplan, You Call It Corn, We Call It
Syntax-Independent Metadata for Document-Like Objects

Metadata really is nothing more than data about data; a catalog record is metadata; so is a TEI header, or any other form of description. The goal of the 1995 OCLC/NCSA Metadata Workshop was to define a set of data elements simple enough for authors and publishers to use in describing their own documents as they put them on the Net, but useful enough to facilitate discovery and retrieval of these documents by others. This simple metadata could then also be used by catalogers and other third parties as a starting point for creating more rigorous or more detailed descriptions.

- o HTML file

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uhrlibrary/pacsreview/v6/n4/caplan.6n4](gopher://info.lib.uh.edu:70/00/articles/e-journals/uhrlibrary/pacsreview/v6/n4/caplan.6n4)

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Tahereh Jafari is the primary support person.

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