ACS PUBLICATIONS

Over a Century of Essential Chemistry on Your Desktop

Special Libraries Association
Chemistry Division Vendor Roundtable
Monday, June 10, 2002
Los Angeles Convention Center, Room 408 B

Matthew J. Price
Publications Division
Assistant Director
Product Marketing

Dean J. Smith
Publications Division
Assistant Director
Sales
The Mission …

…of the American Chemical Society is to encourage in the broadest and most liberal manner the advancement of the chemical enterprise and its practitioners.

Toward that end, ACS advances scholarly knowledge, provides the professional service support, communicates with varied audiences, and is actively involved in the science, education, and public policy arenas.

- 30 Electronic Journals, 3 Magazines
- Most Cited Journals in Chemistry
- Cover all scientific disciplines and consistently rank among the highest impact journals in science
ISI® 2000 Journal Citation Reports:

- ACS journals cited more than 722,800 times in 2000
- ACS Journals ranked #1, #2, or #3 in 18 of 23 subject categories
- 72% increased in Impact Factor from 1999 to 2000
- 84% increased in Citations from 1999 to 2000
- JACS cited 188,117 times in 2000

ACS Journal Archives

Scanning a stack of paper 81 stories high — a towering challenge.

- More than 11,000 ACS journal issues, 500,000 articles, 2.5 million pages
- Copies on both DVD and magnetic tape to ensure secure storage
- 600 dpi for black and white pages; 400 dpi for color and halftone figures
- Commitment to continued enhancements
  - Links to Chemport, Cross Ref
  - Supplementary Information
Enhanced Searching Capability

- **Citation Find**: Find an article based on journal name, volume #, and first page # (Citation) OR DOI

- **Search Journals**: Author name or any combination of search terms and select “Search” for quick results (uses defaults in Advanced Search area)

- **Advanced Search Options**: Select multiple journals by name OR a collection. Default is All Journals

- **Timeframes**: ASAP Articles, CY+4, Archives OR enter a date range

- **Sort Results**: Date, Relevance, Journal and number displayed on a page – up to 100 items
From Page 1 of JACS (c.1879) to ASAP Articles® posted daily…

THE AMERICAN CHEMICAL SOCIETY.

I.—PROCEEDINGS.

Regular Meeting, January 2nd, 1879.

The meeting was called to order at 8 o’clock, by Mr. Nichols, in the absence of the President and Vice-Presidents. Dr. Alsberg was elected Chairman. The minutes of the last meeting were read and adopted.

The resignation of Prof. Barker was read and accepted.

Messrs. H. M. McIntyre and G. W. Wigner were elected Members.

Messrs. F. W. P. Herbert Hazard were elected Members.

The Corresponding Secretary has sent to

Web Release Date: June 6, 2002

$ Purchase

57Fe Mössbauer Isomer Shifts of Heme Protein Model Systems: Electronic Structure Calculations

Yong Zhang, Junhong Mao, and Eric Oldfield
Web Release Date: 06-Jun-2002; DOI: 10.1021/ja011583y

Abstract Full: HTML / PDF (134K)
To today’s breakthrough articles...
Nobel Laureates Found in the ACS Journal Archives

- **Linus Pauling** – *JACS* and *J Phys Chem*
- **Irving Langmuir** – *JACS*
- **Jacobus Van’t Hoff** (1st Nobel Prize recipient in 1901) – published in *JACS* in 1905
- **Ahmed Zewail** – *JACS* and *J Phys Chem*
- **Paul Berg** – *JACS* and *Biochemistry*
- **Lars Onsager** – *JACS* and *J Phys Chem*
- **William N. Lipscomb** – *Inorganic Chemistry*

- Over the course of the 100 years the Nobel Prize has been awarded, a total of 94 recipients in Chemistry have published in ACS journals
- In the last 30 years, 51 of the 59 Nobel recipients have published in ACS journals
ACS Journal Archives provide...

- Secure & cost-efficient, long term solution for storage and retrieval of original research
- Immediacy of access
- Cost savings for institutions
  - Document delivery fees
  - Storage/shelf-space
  - Binding/maintenance of print copies
  - Administrative costs
  - Increased productivity

**BIG Benefits to Your Library**

ACS Journal Archives
User Resource Page
Last updated Tuesday, 21 May 02 17:04:08

- What's Available Now?
- Problems? Questions?
- How to Access the Archives?
- How to Access the Archives?

What's Available Now?

- Find out what percentage of each journal is now available in the Archives.
- As occurred pages pass our Quality Control (QC) process, we'll make additional volumes available. The entire Archives database will be available by July 1, 2002, the end of the trial period.
- The Table of Contents (TOC) for virtually all issues in the Archives can be accessed now. If an article listed in a TOC links to a blank page, it may mean that the issue containing that article has not yet passed the QC process. Once the issue passes QC, the article will become accessible.
- Search results will include only issues that have passed QC.
- Individual articles are currently not available for purchase online.
Quality Control

- Manual checks by ACS technical staff/chemists
- Computerized tests
  - Polarity
  - Skewing
- Solicited help from Library Advisory Group to critique output
IT Infrastructure

- **Complete IT Environment Redesign**
  - Integration of 2.5 Million New Pages
  - Revised Interface – Search and TOC Layers
  - Cross Journal Searching

- **Clustered servers linked to a high capacity Storage Area Network. (SAN/Cluster Project)**
  - 16 Unix Servers, Load Balancers, Mirrored Servers, eRights Authentication, New Journal Delivery System, Oracle Databases, Increased Bandwidth

- **Redundancy**
  - Two T-3 lines (Easy to Increase)
  - ISPs
  - Load-Balanced Oracle Web Servers
  - 10 Terabyte Storage Array

- **Disaster Recovery Provisions**
  - Multiple Physical Locations

All Equates to 99% Uptime
Determining Pricing

- Access is based on an annual fee for Small, Medium, and Large customer categories with multi-site & consortia arrangements
  - ACS expenditures
  - Usage levels for ACS Web Editions
  - Employees, faculty, students, sites, etc.
- Equates to a single-site yearly maintenance fee
  - Small = $1500
  - Medium = $3000
  - Large = $4500
## ACS Journal Archives

**Without Annual Print Price Increases**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Print</strong></td>
<td>$40,000</td>
<td>$40,000</td>
<td>$40,000</td>
<td>$40,000</td>
<td>$40,000</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td><strong>Web</strong></td>
<td>$0</td>
<td>$36,000</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$6,000</td>
<td>$6,000</td>
<td>$40,000</td>
<td>$40,000</td>
</tr>
<tr>
<td><strong>Archive One Large Site</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$2,250</td>
<td>$2,250</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td>$40,000</td>
<td>$76,000</td>
<td>$50,000</td>
<td>$50,000</td>
<td>$46,000</td>
<td>$48,250</td>
<td>$42,250</td>
<td>$44,500</td>
</tr>
<tr>
<td><strong>#of Articles</strong></td>
<td>20,000</td>
<td>60,000</td>
<td>60,000</td>
<td>80,000</td>
<td>100,000</td>
<td>120,000</td>
<td>640,000</td>
<td>660,000</td>
</tr>
<tr>
<td><strong>Cost Per Article</strong></td>
<td><strong>$2.00</strong></td>
<td><strong>$1.28</strong></td>
<td><strong>$0.84</strong></td>
<td><strong>$0.63</strong></td>
<td><strong>$0.46</strong></td>
<td><strong>$0.08</strong></td>
<td><strong>$0.07</strong></td>
<td><strong>$0.07</strong></td>
</tr>
</tbody>
</table>

**H I G H Q U A L I T Y. H I G H I M P A C T.**
ACS Journal Archives Results

- Over 1,000 Institutions have signed up for FREE trial access to ACS Journal Archives

- Over 75 Institutions have already subscribed
Contact Us!

- Customer Service
  1-888-338-0012
- Collateral and promotional material available
- Suggestions and ideas are welcome!

Matthew J. Price
202.452.8918
m_price@acs.org

Dean J. Smith
202.872.8063
d_smith@acs.org