

## ACS Publications Division

2013 Update for the Joint Board-Council  
Committee on Publications

Brian D. Crawford  
President

JBCCP Open Session  
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Indianapolis, IN

## ACS Publications is Showing Strong Performance in 2013

- Financial Performance is on track with budget
- Journals Program is flourishing
  - Editorial peer review capacity further expanded
  - New journals successfully introduced; others under development
  - Manuscript Submissions and Article Output both robust
  - Web Usage metrics remain strong
- New *C&EN* strategic plan is approved
  - Next step: Editor-in-Chief Maureen Rouhi to coordinate a comprehensive editorial audit to guide action planning
  - Dr. Kevin Davies (VP, Business Development and Publisher) actively pursuing new publishing revenue opportunities
- *ACS ChemWorx* is steadily gaining traction
  - More than 16,000 active users

## ACS Publications Is Showing Strong Performance in 2013



- Marketing and Sales outreach has strengthened our customer relationships
  - Librarian Summits convened throughout 2013 have informed our 2014 pricing and new product bundles
  - *ACS on Campus* events held internationally; elevating ACS brand and reputation
- Strategic collaborations with CAS continue
- ACS Publications Member benefits are aiding member retention

## ACS Journals Remain the Most Cited & Most Trusted in Chemistry

### Highlights from the 2012 Journal Citation Reports® from Thomson Reuters



- **2012 median ISI Impact Factor for ACS journals = 4.593**
- **> 2.2 million total citations recorded across the entire ACS Journals portfolio**
  - Twice the number of total citations received by ACS journals in 2005
  - An increase of one-half million more annual citations to the Society's scholarly journal program than was evidenced just three years ago (2009 JCR data).
- **ACS journals ranked #1 in either Citations or Impact Factor (or both) within 15 separate ISI subject categories, including all seven core chemistry categories**
- **18 ACS journals achieved an Impact Factor of 5 or greater**
  - *Journal of the American Chemical Society's* Impact Factor increased to 10.677
  - *Chemical Reviews'* Impact Factor – an impressive 41.298 — is the highest in Multidisciplinary Chemistry
  - *ACS Nano* and *Nano Letters* both once again achieved Impact Factors >10, at 12.062 and 13.025, respectively

## Recent New Journals Have Succeeded in Securing Authors and Subscribers

ACS Applied Materials & Interfaces



ACS Chemical Neuroscience



ACS Medicinal Chemistry Letters



Journal of Physical Chemistry Letters



ACS Catalysis



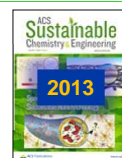
ACS Synthetic Biology



ACS Macro Letters



ACS Sustainable Chemistry & Engineering



co-published  
Division of Chemical Education  
2010

Proprietary and Confidential  
American Chemical Society

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## New ACS Journals Contribute to Our Reputation for Editorial Rigor

Title	Year Launched	Impact Factor	Ranking	Subject Category	Quartile in Category
ACS Applied Materials & Interfaces	2009	5.008	25	Materials Science, Multidisciplinary	Q1
			18	Nanoscience & Nanotechnology	Q2
ACS Catalysis	2011	5.265	23	Chemistry, Physical	Q1
ACS Chemical Neuroscience	2010	3.871	7	Chemistry, Medicinal	Q1
			72	Neurosciences	Q2
			88	Biochemistry & Molecular Biology	Q2
ACS Medicinal Chemistry Letters	2010	3.311	15	Chemistry, Medicinal	Q1
ACS Synthetic Biology	2012			Biochemical Research Methods	
ACS Sustainable Chemistry & Engineering	2013				
Journal of Chemical Education	2010	0.817	21	Education, Scientific Disciplines	Q3
			109	Chemistry, Multidisciplinary	Q3
Journal of Physical Chemistry Letters	2010	6.585	1	Physics, Atomic, Molecular & Chemical	Q1
			11	Nanoscience & Nanotechnology	Q1
			15	Chemistry, Physical	Q1
			18	Materials Science, Multidisciplinary	Q1
ACS Macro Letters	2012			Polymer Science	

ACS Journals Median Impact Factor

4.593

Impact Factor = Citations in 2012 to articles published in 2011 and 2010 divided by the total number of articles published in 2011 and 2010

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American Chemical Society

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## Challenges Persist

- Traditional advertising sales for *C&EN* continue to struggle
  - Display and Classified advertising off budget
  - Offset somewhat by growth in new digital programs (webinars)
- Library budget constraints in US and abroad
- Open access mandates are clearly on the rise
  - UK, Europe, and US remain epicenter(s) of activity
  - Increased coordination across funding agencies in US and abroad
  - Legislative activities in US reinforcing OSTP public access pursuits
- Competition for author mindshare (including from OA entrants) is intense
  - Generational (and attitudinal) change; social media on the rise
  - New challenges to IP enforcement and copyright protection
  - Rise of R&D in new global regions presents strategic challenge for US-centric societies
  - Established players broadening their OA offerings

## Open Access in US: Current Political Developments

- Still pending: action on resurrected Federal Research Public Access Act (FRPAA) in the form of 2013 Senate and House “FASTR” bills
- 22 February 2013 Policy Memorandum from Office of Science and Technology Policy (OSTP)
  - Agency plans for public access were due August 22
- State-level OA agitation and legislation on the rise
- Association of Research Libraries advocacy continues
- Universities continue to issue institutional OA mandates
- Outreach by publishers to Federal research funders
  - Publisher-led proposal to OSTP and Federal Agencies for public-private collaboration (CHORUS)
  - (Inbound) linking as alternative to central government repository or agency-specific repositories



**The CHORUS Project**

A multi-agency, multi-publisher, portal and information bridge that identifies, provides access, enhances search capabilities and long-term preservation to journal articles resulting from agency funding

**CrossRef Partners**

More than 4,300 participating publishers and societies, who have registered metadata for more than 60 million content items (journal articles, conference proceeding chapters and ebooks and book chapters) and 29,000 journals

**In response to OSTP memo**

[http://www.whitehouse.gov/sites/default/files/microsites/ostp/ostp\\_public\\_access\\_memo\\_2013.pdf](http://www.whitehouse.gov/sites/default/files/microsites/ostp/ostp_public_access_memo_2013.pdf)

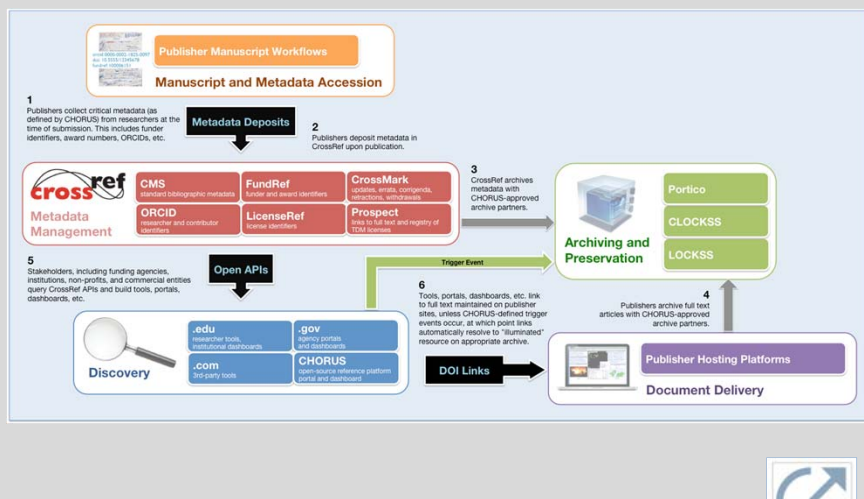


**CHORUS Project: Key Objectives**

- **Public Access:** Publishers provide and host, using FundRef for front-end identification and CrossRef linking to the VoR or the accepted manuscript
- **Compliance:** Publishers ensure using FundRef; agencies, authors and research institutions can easily confirm.
- **Archival Preservation:** Multi-level solution, publisher archives, with trusted third-party back-ups (Portico, CLOCKSS, LOCKSS, etc.).
- **Bibliographic Search and Discovery:** FundRef, commercial search engines, library tools, and API support for agency-specific portals.
- **Low Cost:** No cost for agency participation except for staff time on the CHORUS steering committee.



## CHORUS Conceptual Design



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## CHORUS: News and Updates

- CHORUS signatories now include more than 70 organizations including ACS, AIP, APS, Elsevier, RSC, Wiley
- CHORUS public announcement and source for updated information <http://publishers.org/press/110/>
- Initial Media Coverage: [Library Journal](#), [The Scientist](#), [Science](#), [Inside Higher Ed](#), [Scholarly Kitchen](#) article and follow up, [Scholarly Kitchen](#) podcast, [Chronicle of Higher Ed](#), [ALPSP Statements](#), [Elsevier Connect](#), [C&EN](#), [Physics Today](#)
- Dr. Susan King, SVP, Journals Publishing Group, ACS Publications (Chair of AAP/PSP Executive Council and Member, CHORUS Steering Committee)



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## ACS Open: Launch Planning Underway for 2014



**Goal:** Accommodate need for authors to comply with OA mandates while maintaining the Society's economic hold on copyright in a "mixed economy"

1. Expand author/sponsor pays OA participation via new *ACS AuthorChoice* licensing options, price points, and services-- including embargoed open access and certified deposits with repositories on behalf of authors.
2. Facilitate an OA transition across the ACS journals portfolio, responsive to author and funding sponsor demand, by introducing a credit-based stimulus author rewards program 2014-2016.
  - ❖ Direct to authors; high-visibility stimulus program to affirm ACS commitment
  - ❖ Credits to be issued to each ACS Contributing Author published in 2013
3. Introduce a new OA initiative entitled "*ACS Editors' Choice*"
  - ❖ One article per day selected and openly promoted to readers
4. Develop and launch a new high-visibility, high-impact Open Access interdisciplinary chemistry journal under the auspices of the Society.
  - ❖ **ACS CENTRAL Science** (working title)
  - ❖ Free to both authors and readers
  - ❖ Underwritten by ACS, with other sponsors to be sought

## New Challenges to Copyright



- New technology-based abuse and IP piracy schemes add to the catalog of copyright infringing activities
- ACS is keeping pace by using a combination of technology-based and investigative methods to monitor, detect, and pursue abusers
  - Monitoring downloads
  - Analyzing member and institutional subscription data
  - Referring information to legal authorities
  - Negotiating settlement agreements
  - Seeking engagement with workflow service providers
  - Developing best practice approaches within the industry
  - Pursuing leads from abusers who are caught
  - Engaging in joint litigation as warranted

## Cyberlockers

- Cyberlockers are websites that allow users to upload and store files – often for no charge and with few, if any, filtering or restrictions on what is posted.
- The content uploaded usually can and is intended to be downloaded by other Internet users.
- Cyberlockers make money by selling "fast access" to third-party content on its servers. The more users access this content to download it, the more the cyberlocker earns.

## Sci-Hub: A Chameleon Approach to Piracy

- New, free document sharing site whose objective is “*access to scientific literature to people regardless of income level*”
  - Claims to have 21 million documents available
- Sci-Hub masks its activity by making requests through the accounts of legitimate customers. Document requests look valid. Very difficult to detect.
- How it works:
  - End users request a document from Sci-Hub. Sci-Hub retrieves the document through an institutional account it has infiltrated, delivers a copy to the requestor and deposits a second copy into its own rogue database, *Library Genesis* (libgen) for future reuse



## A New Concern: Unauthorized Posting and Sharing of Papers on Scientific Workflow Support Sites



- Currently there are three such sites of interest:
  - Academia.edu
    - “a platform for academics to share research papers...monitor deep analytics around the impact of their research, and track the research of academics they follow”
    - 3.5 million users, 1.6 million papers, 5 million unique visitors per month\*
  - ReseachGate.net
    - “a social, crowd sourced platform designed for researchers, which offers tools and applications for researchers to interact and collaborate”
    - 3 million users, more than 10 million publications can be accessed via the platform

## A New Concern: Unauthorized Posting and Sharing of Papers on Scientific Workflow Support Sites



- Three scientific networking sites of interest (continued):
  - Mendeley.com
    - “a free reference manager and academic social network that can help you organize your research, collaborate with others online, and discover the latest research”
    - 2.3 million users, over 340 million documents, 206,000 research groups
    - Acquired by Elsevier in April 2013
- An STM Association *Best Practice Statement for Social Network Platforms* is nearing completion, calling for:
  - Platforms to provide information enabling publishers to identify and pursue individuals or groups facilitating unauthorized posting and distribution
  - Filters to detect and enable suspension of repeat infringers
  - Display warnings about pirate web sites, and link disablement

## New Editor-in-Chief Appointments

### Harry Atwater (California Institute of Technology) *ACS Photonics* (new in 2014)



#### Editor's Vision

- Publish high-quality articles that exhibit interdisciplinary nature of photonics, with emphasis on addressing important problems at the research frontier of photonics and optoelectronics
- Establish and maintain a vigorous and healthy editorial enterprise of Editors
- Rapid and fair peer-review of manuscripts
- Stimulate authors and the chemistry and photonics research communities to exploit cross-disciplinary opportunities

#### Editor Accomplishments

- Howard Hughes Professor of Applied Physics and Materials Science
- Director, DOE Energy Frontier Research Center on Light-Matter Interactions in Solar Energy Conversion
- Materials Research Society President, 2000
- 2013 Fellowship, Royal Netherlands Academy of Arts and Sciences
- SPIE Green Photonics Award, 2012



## Jillian Buriak (University of Alberta) *Chemistry of Materials*

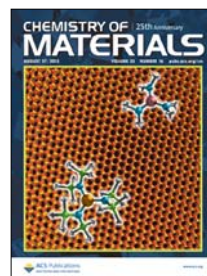


### Editor's Vision

- Strengthen author outreach: enhance triage process, personalize communication, focus on early-career authors
- Establish strong communication and interaction among Associate Editors and with Editorial Advisory Board
- Refine journal scope and expand coverage into new and emerging areas of materials science
- Develop social media and news media presence, update and enhance journal brand recognition

### Editor Accomplishments

- Canada Research Chair of Nanomaterials, Professor of Chemistry
- Senior Research Officer and Group Leader, National Research Council, Canada National Nanotechnology Initiative
- Fellow of the AAAS, Royal Society of Canada, Royal Society of Chemistry
- ACS Pure Chemistry Award, Fresenius Award, the E. W. R. Steacie Memorial Fellowship, 2005 Rutherford Memorial Medal in Chemistry



## Bruce E. Logan (Pennsylvania State University) Deputy Editor of *Environmental Science & Technology Letters*



### Editors' Vision

- Provide community with a flagship forum for Letters content in the environmental and related multidisciplinary fields
- Capture underrepresented market in ACS Publications portfolio
- Leverage *ES&T* editorial strength and reputation to better meet environmental community's needs
- Provide a companion journal to *ES&T* and complement other multidisciplinary journals in the portfolio, including *ACS Sustainable Chemistry & Engineering*, *Energy & Fuels*, and *Nano Letters*
- Continue strong success of ACS Letters journals in the marketplace



Jerald Schnoor, Editor-in-Chief of *Environmental Science & Technology* and *Environmental Science & Technology Letters* (New in 2013)

### Bruce Logan's Accomplishments

- Member of the National Academy of Engineering, 2013
- International Francqui Chair Professorship, Ghent University 2012-2013
- Fellow of the Water Environment Federation, 2011
- *Environmental Science & Technology* "Super Reviewer" award, 2011
- National Water Research Institute Athalie Richardson Irvine Clarke Prize (2009)



**Vincent M. Rotello (University of Massachusetts-Amherst)**  
***Bioconjugate Chemistry***



**Editor's Vision**

- Expand the community of *Bioconjugate Chemistry* readers and authors
- Increase the quality and number of submissions
- Increase exposure in countries that produce high-quality research that are currently underrepresented
- Broaden the impact of the journal

**Editor Accomplishments**

- University of Massachusetts System Technology Development Award, 2013
- Langmuir Lecturer, ACS Division of Colloid and Surface Chemistry, 2010
- Fellow, American Association for the Advancement of Science, 2010
- Fellow, Royal Society of Chemistry, 2007



**Phillip E. Savage (University of Michigan)**  
***Industrial & Engineering Chemistry Research***



**Editor Vision**

- Make *Industrial & Engineering Chemistry Research* the undisputed leading journal for general-interest chemical engineering / applied chemistry in the world
- Increase the average citation impact of published manuscripts
- Improve the experience authors and reviewers have with the journal
- Simultaneously plan for and handle continued growth in the journal, both manuscript submissions and published output

**Editor Accomplishments**

- Fellow of the ACS (2012)
- Chair of the ACS Division of Industrial & Engineering Chemistry (2011)
- Director of the Environmental Division of the American Institute of Chemical Engineers (2013-2015)
- Fellow of the American Institute of Chemical Engineers (2010)
- Michigan Green Chemistry Governor's Award (2009)



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