

# CAS Report

## Highlighting the News from CAS

Randy Waddell  
Director, Marketing  
Joint Board-Council Committee on CAS (CCAS)  
August 29, 2011

## 2011 Joint-Board Council Committee on CAS (CCAS):

- Spiro Alexandratos (chair)
- Kenneth Balkus
- Grace Baysinger
- Morris Bullock
- Leon Combs
- Judith Currano
- Patricia Dedert
- Michael Filosa
- Charles Huber
- Robert McMahon
- Robert Sindelar
- Sunny Wang
- Donald Clarke
- Wendy Cornell
- Ingrid Montes

## **Five initiatives**

**ACS Member Network**

**CHMINF-List**

**Local Sections**

**PIUG**

**Undergraduate Colleges**

## CCAS Web Site

- (1)** Go to ACS web site [acs.org](http://acs.org) or [chemistry.org](http://chemistry.org)
- (2)** Log in to the member network
- (3)** Click on Membership and Networks
- (4)** Click on ACS Member Network
- (5)** Enter CCAS into Search Box (on middle right of page)

# Agenda

## CAS content

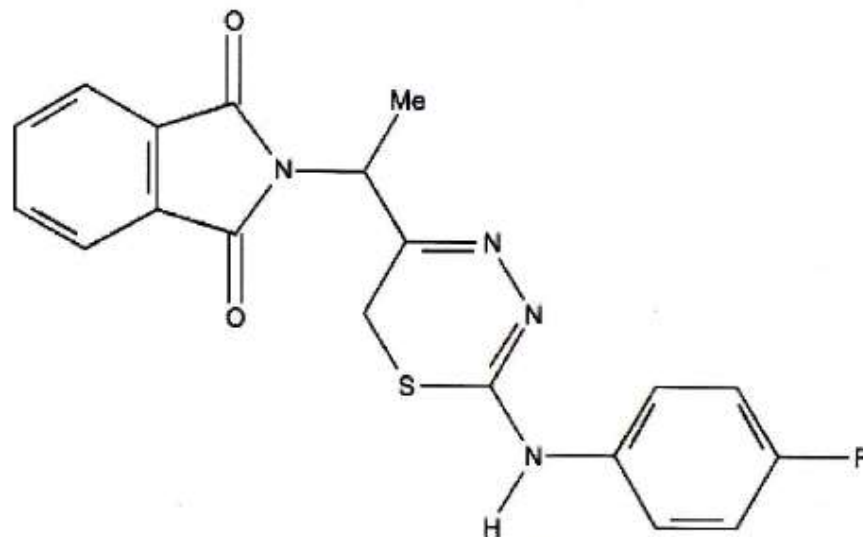
### Product updates

- SciFinder®
- STN
- CD Products

### Other news

## CAS REGISTRY<sup>SM</sup> reached 60 million substances in May

- Identified by CAS scientists in a Chinese patent application about a new antiviral therapeutic:
  - Pan, Xian Dao; Zhang Pei Cheng; Yang, Ya Jun; Jiang, Jian Shuang; Zhao, Li Min. Preparation of 2-amino-1,3,4-thiadiazine derivatives as antiviral agents. CN 2009 10235377, May 4, 2011
- Reflects extensive coverage of global patent disclosures
  - At least 1.8 million new substance registrations originate from patent applications each year since 2008



As of August 26

# CAS is the clear leader in chemistry and related scientific information

## Substances

>62M organic and inorganic substances ★  
>63M sequences ★  
>100 ahead of print journals ★  
Updated daily  
Substances reported in literature back to 1802  
3.3 billion experimental and predicted properties ★

## Reactions

>35M single- and multi-step reactions ★  
>14M synthetic preparations ★  
Updated weekly (30-50K)  
Reactions back to 1840  
Reaction conditions starting in 2003

## CAS Content

## References

>34M patents, journals, dissertations, etc. ★  
>10K scientific journals covered  
Patents from 62 patent offices ★  
Updated daily (~4.5K) ★  
~300M citations back to 1997 ★  
Coverage back to early 1800s

## Markush Structures

>893K Markush structures representing organic and organometallic substances in patents ★  
Coverage back to 1961  
Updated daily (60-75 patent citations and 150-200 Markush structures)

★ Updated from Spring meeting

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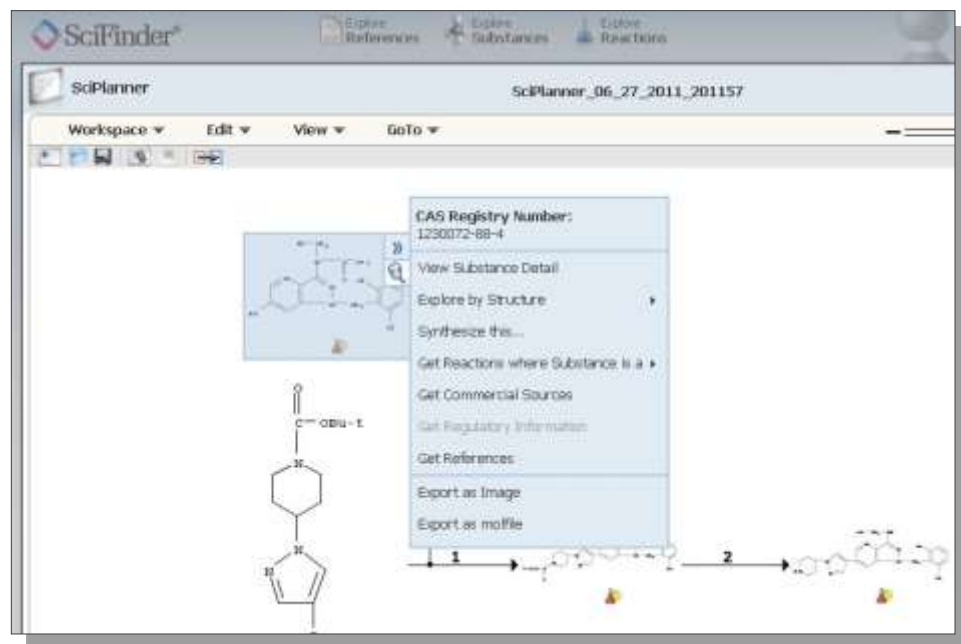
# SciFinder users are excited about SciPlanner since the March launch

“One of the key enhancements made in recent memory”

Investigator at GSK

“The new SciPlanner capabilities have revolutionized the way I will search for information”

Graduate Student at Florida A&M University



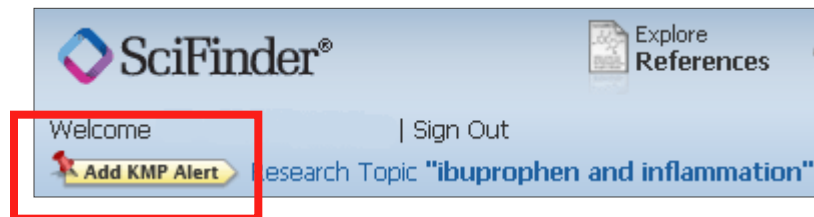
“The planner expands what I can think of doing in SciFinder”

Graduate Student at Harvard University

## Latest SciFinder enhancements focus on speed and ease-of-use

- Users will notice performance improvements (speed) in many areas
  - Testing shows that performance improved 20-30% across key functions

- More visible KMP Alert icon



- Ability to print and export range of answers
- Updated browser support
  - IE 9
  - Firefox 5
  - Chrome issue with structure drawing editor resolved

## More enhancements coming to SciFinder in 2011

- **Content**
  - More  $^1\text{H}$  NMR and  $^{13}\text{C}$  NMR and mass spectra
- **Search**
  - ACS Table of Contents graphics
- **Analyze**
  - Analyze by target/bioactivity indicators
- **Display**
  - Enhanced reference display
  - Simplified substance table/grid views
  - Target/bioactivity indicators in substance display
  - Browser support for Firefox 6 and Safari 6

**Look for enhanced reaction relevancy ranking  
and substance relevancy ranking in the  
upcoming months!**

## Unlimited access to SciFinder is now an option for academic customers

- **Access no longer restricted by concurrent seats**
- **Designed to maintain pricing equity among “peer” schools**
  - Based on the size of school’s chemistry / chemical engineering program
- **We will be phasing the introduction of this option to all universities through June 2012**



## CAS has developed new contract language to address walk-in access when required by U.S. academic institutions

**"SciFinder is provided to support research activities of Authorized Users (e.g., current students and faculty). However, SciFinder may be used occasionally by walk-in visitors or general public library patrons, provided that their usage is for non-commercial purposes, or as may be specified by applicable state laws."**



## 2011 SciFinder Academic Exchange Program students are also attending this ACS National Meeting in Denver!

- **Fifteen chemistry graduate students were selected from hundreds of worldwide applications**
  - Selection criteria includes scholarship, energy, creativity, and cheminformatics interest
- **Program includes a week-long immersion with CAS scientific and technical specialists to share ideas, discuss trends and challenges, and culminates with a trip to the ACS Fall National Meeting**



## SciFinder's Asian presence continues to expand

**“We have had a relationship with CAS for a long time, hence when we were required to select an enterprise-wide research platform for our R&D teams, SciFinder was the clear choice, given its reliable, high-quality content and advanced reaction planning tools.”**



Dr. Sourav Basu, Associate VP of TCG Lifesciences

**“SciFinder is a critical tool that ensures our scientists have the broad range of global chemistry information needed to accelerate research, enable our customers' growth and ensure we remain competitive. CAS is an invaluable partner for our ongoing success in a dynamic global marketplace.”**



Dr. Manoj Nerurkar, Head of Small Molecule Discovery & Development, Syngene International

## **FIZ-K and CAS are improving the current STN platform while we develop the new platform**

- **Enhanced MARPAT<sup>®</sup> display formats**
- **Enhanced Patent Family Results Management**
- **First iteration of the new STN platform is scheduled for availability to the STN Advisory Council in November**

The logo for STN, consisting of the letters 'S', 'T', and 'N' in a bold, blue, sans-serif font. The letters are slightly shadowed, giving them a 3D appearance. A registered trademark symbol (®) is located to the upper right of the letter 'N'.

## CA™ on CD and CASSI<sup>SM</sup> on CD will be discontinued by the end of 2011

- Declining revenue no longer supports resource costs
- CD-ROM platform presents long-term security issues
- Both products have Web-based alternatives
  - CA on CD: CA *web edition*
  - CASSI on CD: Online CASSI search tool



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- CA Sections were added to ACS Publications *Web Editions* Platform to enhance browsing of ACS Journals in July



# Thank You!

Follow us on Twitter @caschatter

Please visit us at booth # 1022  
[www.cas.org](http://www.cas.org)

Topics of Theater Presentations:

“What’s in your Water?”

“CAS, Your Launch Pad for Scientific Research”