



Chemical Abstracts Service  
provides access to  
STN in North America

May/June 2006

# STN News

CODEN: STNWEQ ISSN: 1040-1229 Vol. 22 No. 3

North American Edition

## STN<sup>®</sup>

### Highlights

- 2** STN<sup>®</sup> AnaVist<sup>™</sup>—Using subset visualizations to focus your competitive intelligence research
- 7** IPC 8 Rolled-up Core codes added to CA<sup>SM</sup>/CAplus<sup>SM</sup> and USPATFULL/USPAT2
- 12** Modifying IPC queries in STN<sup>®</sup> current-awareness alerts
- 14** Finding and searching Core and Advanced IPC codes
- 16** Free maintenance release of STN Express<sup>®</sup> with *Discover!*<sup>™</sup> (Version 8.01b) now available
- 17** Dial-up (X.25) access no longer available after June 2006

# STN<sup>®</sup> ANAVIST<sup>™</sup>

Now is  
a good time  
to try STN AnaVist!  
For more details  
see page 17.

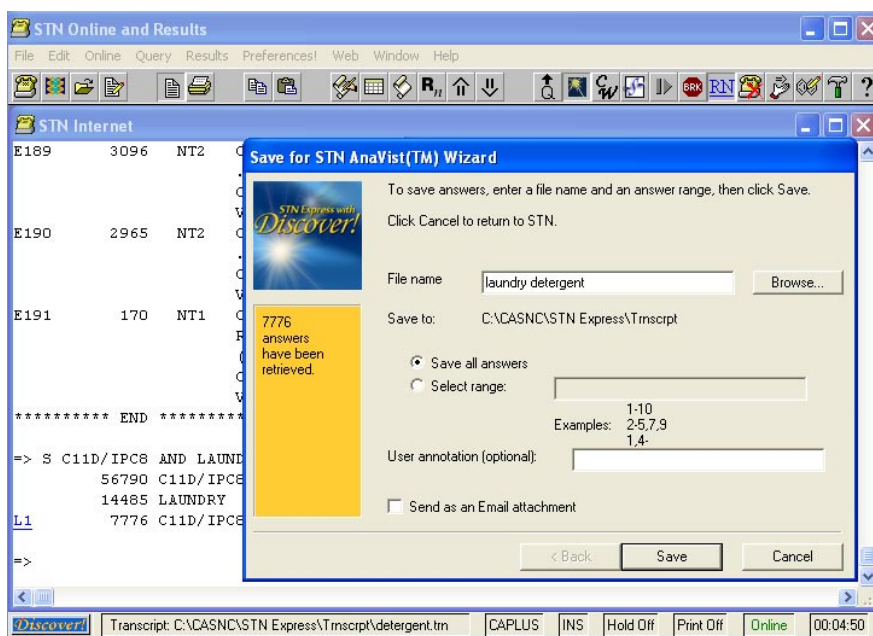
STN AnaVist offers some compelling competitive intelligence research capabilities. This article discusses how you can:

- Gather documents related to a topic of interest
- Visualize the documents
- Identify key competitors
- Create a subset visualization for a specific competitor
- Save documents for later reference

Subset visualizations are now included in the cost of creating a visualization set. This provides you with a cost-effective means for performing comprehensive competitive research.

Let's assume you are supporting a business analyst at a consumer products company. The analyst wants to research organizations that have been issued patents related to laundry detergents during the last 5 years.

## Using subset visualizations to focus your competitive intelligence research



*The Save for STN AnaVist Wizard lets you easily save STN Express<sup>®</sup> answer sets for use in STN AnaVist.*

## Subset visualizations provide a cost-effective means for targeting your competitive intelligence research.

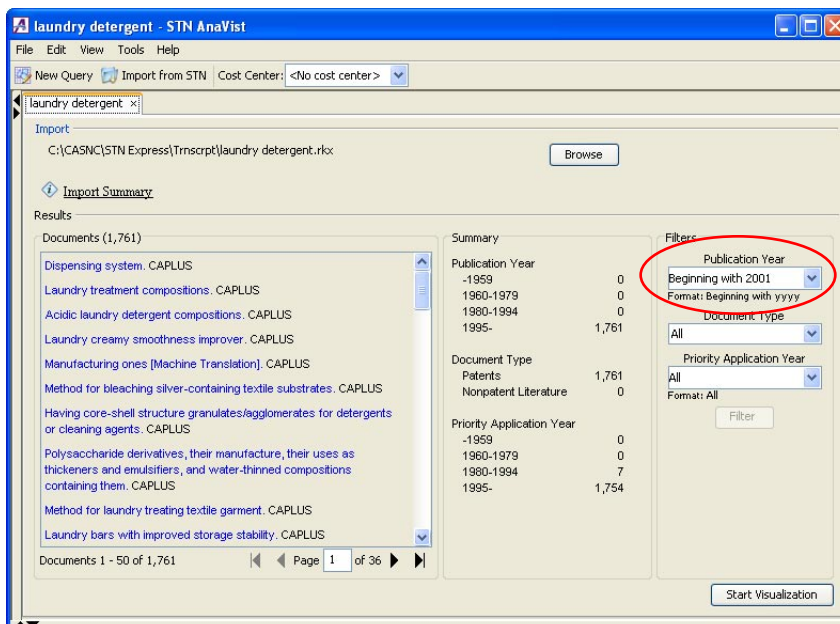
### Gathering documents

You have two options for gathering documents:

- Search concepts or key words within STN AnaVist
- Conduct your search in STN Express® with *Discover!*™ (Version 8.0 or higher)

For this example, you may wish to use STN Express and the new IPC 8 thesaurus in CAplus<sup>SM</sup> to identify an IPC code for laundry detergents.

Once you've gathered all of the documents of interest, use the Save for STN AnaVist Wizard to create an .rnx file for import into STN AnaVist.



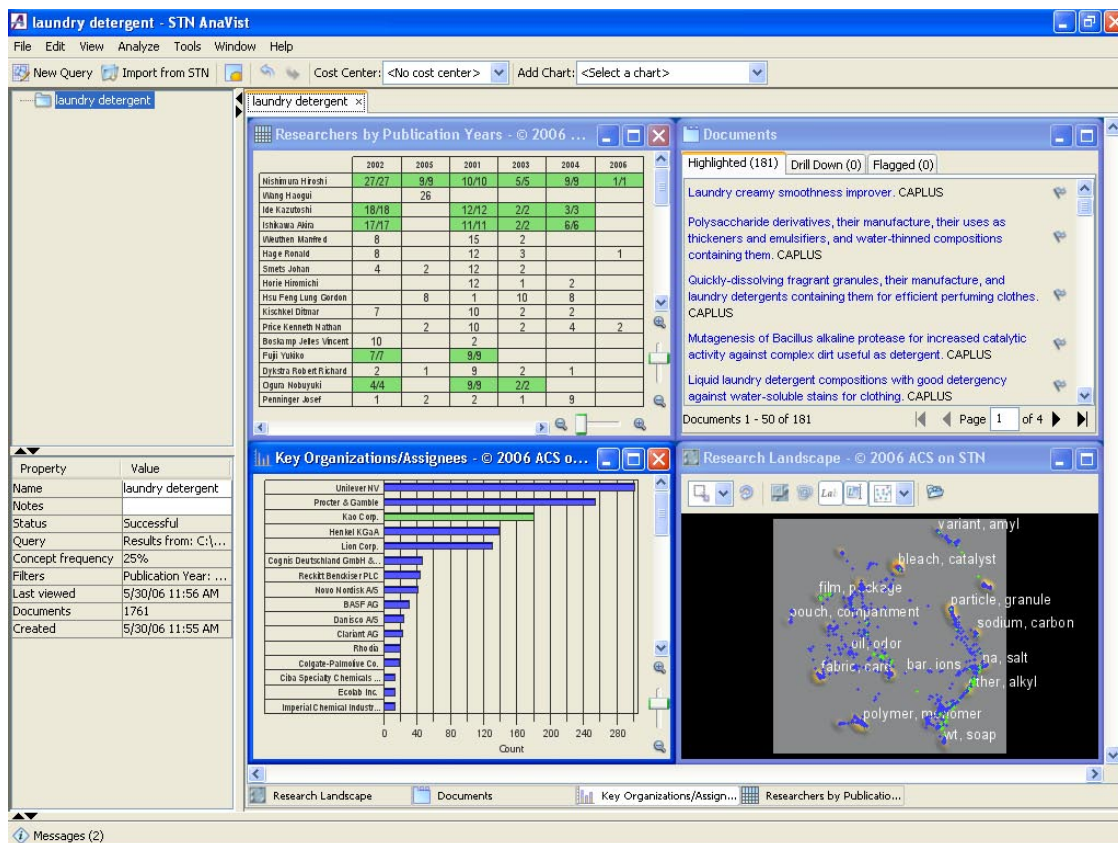
The imported answer set can be quickly filtered prior to visualization.

### Visualizing documents

To begin visualizing documents, log on to STN AnaVist. Then click **Import from STN** on the toolbar to locate and open your STN Express answer set.

Since the analyst is only interested in the last 5 years, use the Publication Year filter to remove older documents. Now you are ready to visualize the documents.

Click **Start Visualization**, and STN AnaVist provides you with a variety of charts and a Research Landscape on laundry detergent patents.



*STN AnaVist lets you immediately see which documents are associated with a specific competitor.*

## Identifying key competitors

To see what the competition is doing with regard to laundry detergent patents, take a look at the Key Organizations/Assignees chart. When you identify a company you would like to study further, click its bar. This highlights the company's documents in all of the charts as well as in the Research Landscape.

With the highlighting, you immediately see the research fronts (peaks in the Research Landscape) in which the company is most active.

The Documents window lists the company's patent publications in the laundry detergent area. And, the Researchers by Publication Year chart shows you the names of their leading scientists who are active in patenting laundry detergents.

In minutes, and for no additional cost, you have collected important information on one of your leading competitors, information that might well have taken you hours to collect using other methods.

# Feature

## Creating a subset visualization

The Subset Visualization feature lets you create a Research Landscape focusing only on a specific company. Click the **Subset Visualization** icon on the toolbar to create a visualization of only the highlighted documents.



Your new Research Landscape and charts focus on laundry detergent patents from that single company. You'll want to rename this project so that you can easily find it later.

The screenshot shows the STN AnaVist software interface. The main window is titled "Competitor 1 - STN AnaVist". The toolbar includes "New Query", "Import from STN", and "Subset Visualization" (circled in red). The interface is divided into several panes:

- Left Pane:** A tree view showing "laundry detergent" and "Competitor 1".
- Top Center Pane:** A table titled "Researchers by Publication Years - © 2006 ...".
- Right Pane:** A list of "Documents" with 59 highlighted items. The first document is: "Quickly-dissolving fragrant granules, their manufacture, and laundry detergents containing them for efficient perturning clothes. CAPLUS".
- Bottom Left Pane:** A bar chart titled "Key Organizations/Assignees - © 2006 ACS o...". The x-axis is labeled "Count" and ranges from 0 to 180. The y-axis lists organizations, with "Kao Corp." highlighted in green.
- Bottom Right Pane:** A "Research Landscape - © 2006 ACS on STN" showing a network of terms: "releasing, soil", "sodium, sulfate", "oxide, propylene", "particle, bulk", "anion, mpa", and "film, packaged".
- Bottom Left Property Table:**

Property	Value
Name	Competitor 1
Status	Successful
Query	Subset of laundry...
Concept frequency	25%
Filters	None applied
Last viewed	5/30/06 12:21 PM
Documents	181
Created	5/30/06 12:21 PM

*A subset visualization for a specific competitor quickly identifies the research fronts and leading scientists.*

# Feature

## Saving documents

Because you will have a continuing interest in this competitor, you may wish to save the documents for this company to your hard drive.

Once saved, you can conveniently refer to them at a later date. Because there is a charge per document saved, you may wish to save only some of the documents.

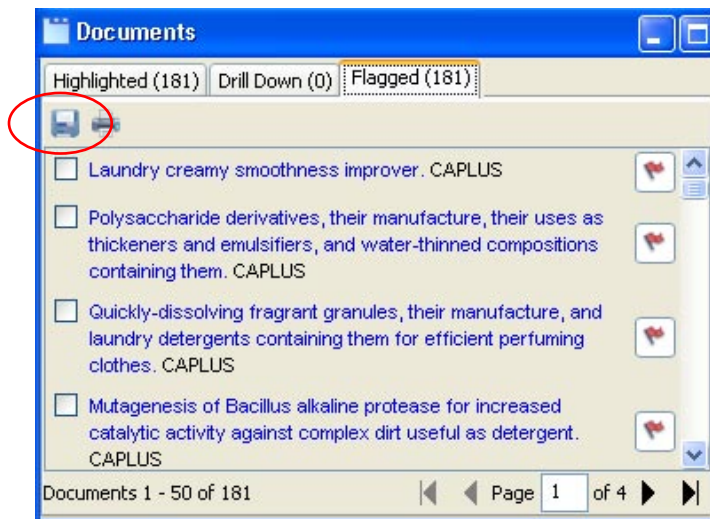
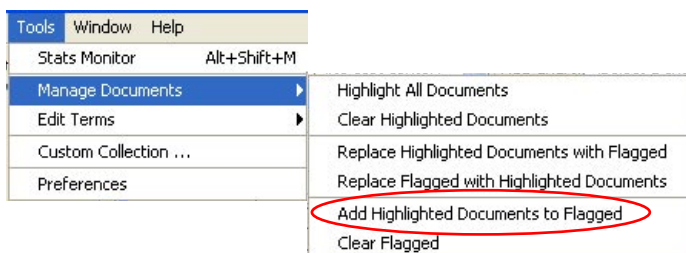
To save the documents:

1. Highlight the documents you wish to save.
2. Use the **Tools** menu to “flag” the documents.
3. Click the Flagged tab in the Documents window.
4. Click the **Save** icon.

The method described here lets you save the documents in Rich Text Format (.rtf) or Portable Document Format (.pdf).

Alternatively, you can use the Download CAplus Documents feature to save in comma-separated (.csv) format for use in third-party software. This feature is described in the STN AnaVist Avenue article in the November/December 2005 issue of *STNews*.

**Once you create your initial visualization, you can create as many subset visualizations as you like at no charge.**



*Saving the documents for a competitor allows you to conveniently refer to them at a later date.*

## Conclusion

Now that you know the process, you can research as many competitors as you like.

Once you create your initial visualization, there is no additional cost for each subset visualization.

By using STN AnaVist, you can quickly and cost effectively collect information on your company's key competitors!

## Additional resources

More information about STN AnaVist is available at:  
[www.cas.org/stnanavist/](http://www.cas.org/stnanavist/)

## BIOSIS® BIOSIS Previews® –journal coverage expanded

During 2005, BIOSIS Previews added over 250 journal titles to the current coverage. The new titles represent all areas of life sciences, as well as all regions of the globe, building on the international coverage for which BIOSIS is known. Nearly 21% of the newly added titles originate from Asia and Australia, 11% from Eastern Europe, and 9% from Central and South America.

This group of titles encompasses a wide range of life science areas, including systematics and taxonomy, biochemistry, ecology, agriculture, bioprocess engineering, pharmacology, and computational biology.

From Japan, 10 journals were added, including *Environmental Health and Preventive Medicine* and *Journal of Agricultural Science Tokyo Nogyo Daigaku*. Nine journals from Brazil were added, including *Revista Brasileira de Parasitologia Veterinaria* and *Ciencia Rural*.

*Journal of Applied Pharmacology* from South Korea and *Molecular Pharmaceutics* from the American Chemical Society are two of the pharmacology titles added. *Biosystems Engineering* (The Netherlands), *Microbial Cell Factories* (United Kingdom), *Photochemical and Photobiological Sciences* (United Kingdom), *Applied Biochemistry and Microbiology* (Russia), *Fruits* (Les Ulis), and *Jieyou Xuebao* (Chinese Society of Anatomical Sciences) were also added.

The BIOSIS Database Summary Sheet is available at: [www.cas.org/ONLINE/DBSS/biosiss.html](http://www.cas.org/ONLINE/DBSS/biosiss.html)

## CA/CAplus

–IPC thesaurus functionality enhanced for Core and Advanced codes; arrow highlighting added in IPC.TAB display format; F-Term thesaurus available; 1900-1906 U.S. patent records added; IPC 8 Rolled-up Core codes added; CAS sets new timeliness standard for Chinese patent information availability

### IPC thesaurus functionality enhanced for Core and Advanced codes

The IPC thesaurus has been enhanced to make it easier for you to identify the Core (COR) IPC code when the Advanced (ADV) code is known, or to identify the Advanced code(s), potentially providing greater specificity, when the Core code is known.

Example showing identification of a Core code when the Advanced code is known:

```
=> E C03B0001-02+CORE/IPC
E47      119  -->  C03B0001-02/IPC
E48      477  CORE  C03B0001-00/IPC
```

For more information on IPC Reform, visit:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)

[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

Arrow highlighting added in the IPC.TAB display format in CA/CAplus.

### F-Term thesaurus available

F-Terms are patent classifications used by the Japanese Patent Office (JPO) and have been included in CA/CAplus records since January 2004.

With this addition, you can now easily find information on the F-Terms in CA/CAplus by using the thesaurus in the F-Term (/FTERM) search field. The thesaurus can also be used to identify F-Terms for inclusion within search strategies.

#### Relationship code for F-Term thesaurus

#### Content

ALL	All associated terms (BT, NT, SELF, TI)
BT	Broader Terms (BT, SELF)
HIE	Hierarchy (BT, NT, SELF)
NT	Narrower Terms (NT)
TI	Complete Title of the Term
NEXT(n)	Next n F-Terms
PREV(n)	Previous n F-Terms
BRO(n)	Next n F-Terms and previous n F-Terms

To find information in the thesaurus, follow a term with the plus sign (+), one or more of the valid relationship codes, and then /FTERM.

Example of finding the title for an F-Term:

```
=> FILE CAPLUS

=> E 4K001/AA07+TI/FTERM
E1      0      BT4  FTCLA/FTERM
          FTERM CLASSIFICATION OF THE
          JAPANESE PATENT OFFICE

E2      0      BT3  4/FTERM
          Chemistry

E3      20258  BT2  4K/FTERM
          Metals Electrochemistry

E4      897    BT1  4K001/FTERM
          Manufacture and refinement of
          metals

E5      52     --> 4K001/AA07/FTERM
          Co metal or alloys

***** END *****
```

## 1900-1906 U.S. patent records added

Over 10,000 records for U.S. chemical patents from 1900-1906 were added to Volume 0 in the CA/CAPLUS family of databases on STN.

The additions provide unique access to the prior art and science and technology of that time, as well as complement the coverage of patents previously added from abstracts in the early volumes of the *Journal of the American Chemical Society*.

The records include bibliographic data and abstract-type information (from the document's initial paragraph), but not index entries. CA section numbers were added to each record to provide additional subject access.

Example of a newly added U.S. chemical patent record:

```
L13 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1906:53932 HCAPLUS
DN 0:53932
TI PROCESS FOR REPRODUCING DESIGNS, PICTURES,
LETTER-PRESS, AND THE LIKE
IN Ostwald, Wilhelm
PA Germany
SO U.S. CODEN: USXXAM
DT Patent
LA English
INCL 101-12.9; 430-30.8
CC 5 (Photography)
PATENT NO. KIND DATE APPLICATION NO. DATE
-----
PI US 798528 A 19050829 US 1903-181403 19031116
AB To all whom it may concern: Be it known that
I, WILHELM OSTWALD, doctor of philosophy and
professor, a subject of the King of Saxony,
residing at Linnestrassse 2/3, Leipsic, Saxony,
German Empire, have invented new and useful
Improvements in Processes for Reproducing
Designs, Pictures, Letter-Press, and the Like,
of which the following is a specification. The
problem in all reproducing processes consists
:
:
```

## IPC 8 Rolled-up Core codes added

IPC 8 Rolled-up Core codes are now being added to the International Patent Initial Classification (/IPCI) field in the CA/CAPLUS family of databases on STN.

Rolled-up Core codes are IPC codes added to patents containing IPC codes at the Advanced level—when a patent document contains an IPC code assigned at the Advanced level, the corresponding Core level IPC code is automatically added to the IPCI field of that record.

IPC code information in patent records originates from two sources:

- The information supplied by the patent-issuing organizations when a patent document is published is found in CA/CAPLUS in the /IPCI.
- The reclassifications of patent documents provided by the European Patent Office (EPO) are found in the International Patent Reclassification (/IPCR) field in CA/CAPLUS. Reclassification data has included Rolled-up Core codes since the first IPC 8 reclassifications were issued in late 2005.

The addition of Rolled-up Core codes provides you with an advantage in searching and retrieving results. You now have the means to search for a particular area of technology across all patent-issuing organizations and countries, no matter what their policies are for assigning IPC codes at the Core, Advanced, or both levels.

While you can search specifically for IPC code information, including Rolled-up Core codes, in the /IPCI or /IPCR field, most IPC code searches should be done using the /IPC super field.

In the CLASS display, each Rolled-up Core code will have [C\*] as the bracketed data following an IPC code.

Example of G02F0001-13 in the CLASS display:

```
L2 ANSWER 1 OF 153801 CAPLUS COPYRIGHT 2006 ACS
  on STN
CLASS PATENT NO. CLASS PATENT FAMILY CLASS. CODES
-----
CN 1760742      IPCI G02F0001-1368 [A]; G02F0001-13
                  [C*]; 03F0007-32 [A]
```

In the IPC.TAB display format, Rolled-Up Core codes in the IPCI portion of the record have Core\* in the LEVEL column. They also have RC (Rolled-up Core) in the CC column (supplies information about which patent-issuing organization supplied the IPC code) and Machine in the Assignment column. RC is the code that is used when CAS is the party responsible for adding a Rolled-up Core code to a patent document.

Rolled-up Core codes in the IPCR portion of a record show EP in the CC column, since they have been provided by the EPO. As in the IPCI portion of the record, they show Core\* in the Level column and Machine in the Assignment column.

## CAS sets new timeliness standard for Chinese patent information availability

Chinese patent records are now available more than 130 days sooner in CA/CAPLUS than any other database producer.

CAS's ability to provide SIPO Chinese patent records more rapidly is due largely to new processing software tools and procedures developed in-house at CAS.

Patents from the People's Republic of China have grown steadily as a percentage of total patent records in CAS databases, increasing from 3.7% in 2001 to 12.5% by the end of 2005.

The People's Republic of China is now the fourth largest source of patent records among the patent-issuing authorities covered by CAS. China is exceeded only by the patent offices of Japan, the World Intellectual Property Organization, and the United States.

CAS continues to provide the most up-to-date access to patent information.

Additional information about CAS patent coverage is available at: [www.cas.org/EO/patyear.html](http://www.cas.org/EO/patyear.html)

The revised CA/CAPLUS Database Summary Sheets are available at: [www.cas.org/ONLINE/DBSS/cass.html](http://www.cas.org/ONLINE/DBSS/cass.html)  
[www.cas.org/ONLINE/DBSS/caplusss.html](http://www.cas.org/ONLINE/DBSS/caplusss.html)

## CHEMCATS® Chemical Catalogs Online —surpasses 10 million records

CHEMCATS reached a milestone with the total number of records surpassing 10 million.

The 10 millionth entry is from the AsInEx Express Gold Collection for the chemical substance 2-Furancarboxylic acid, 5-[(2,3-dihydro-3-oxo-4H-1,4-benzoxazin-4-yl)methyl]-.

CHEMCATS is a catalog database that contains information about commercially available chemicals and their worldwide suppliers. Records contain catalog information for the substance provided by the supplier, as well as supplier information.

The CHEMCATS Database Summary Sheet is available at: [www.cas.org/ONLINE/DBSS/chemcatss.html](http://www.cas.org/ONLINE/DBSS/chemcatss.html)

## LINSPEC

### Learning File for Information Service for Physics, Electronics, and Computing (INSPEC®) –reloaded and enhanced

LINSPEC has been reloaded and enhanced with the same new features as INSPEC. This learning database now contains 95,000 records, which represent a broad range of INSPEC content over time.

For detailed information on the new features, enter HELP CHANGE at an arrow prompt (=>) in LINSPEC.

The revised LINSPEC Database Summary Sheet is available at:  
[www.cas.org/ONLINE/DBSS/linspecss.html](http://www.cas.org/ONLINE/DBSS/linspecss.html)

## PATDPAFULL

### –new IPC 8 fields and IPC thesaurus added

PATDPAFULL now contains new IPC 8 search, display, and select fields, as well as the IPC thesaurus. For details about IPC-related enhancements, including the addition of the IPC thesaurus, see HELP CHANGE in PATDPAFULL.

For more information on IPC Reform, visit:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)  
[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

The PATDPAFULL Database Summary Sheet is available at:  
[www.cas.org/ONLINE/DBSS/patdpafullss.html](http://www.cas.org/ONLINE/DBSS/patdpafullss.html)

## PCTFULL

### WIPO/PCT Patents Full-Text

#### –U.S. inventor names now included in the Inventor Field; new IPC 8 fields and IPC thesaurus added

Coverage for U.S. inventor names in PCTFULL has changed. As of January 2006, these personal names are no longer indexed in the Patent Assignee (/PA) field, but rather in the Inventor (/IN) field. When searching a U.S. inventor name, use the /IN field.

PCTFULL now contains new IPC 8 search, display, and select fields, as well as the IPC thesaurus. For details about IPC related enhancements, including the addition of the IPC thesaurus, see HELP CHANGE in PCTFULL.

For more information on IPC Reform, visit:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)  
[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

The PCTFULL Database Summary Sheet is available at:  
[www.cas.org/ONLINE/DBSS/pctfullss.html](http://www.cas.org/ONLINE/DBSS/pctfullss.html)

## PHAR/PHIC/PHIN

### –copyright line changed

The copyright line for PHAR, PHIC, and PHIN now reads  
© Informa UK Ltd 2006.

The PHAR, PHIC, and PHIN Database Summary Sheets are available at:

[www.cas.org/ONLINE/DBSS/pharss.html](http://www.cas.org/ONLINE/DBSS/pharss.html)  
[www.cas.org/ONLINE/DBSS/phicss.html](http://www.cas.org/ONLINE/DBSS/phicss.html)  
[www.cas.org/ONLINE/DBSS/phinss.html](http://www.cas.org/ONLINE/DBSS/phinss.html)

## USPATFULL/USPAT2

**–IPC range searching now more flexible; arrow highlighting added in IPC.TAB display format; IPC thesaurus functionality enhanced for Core and Advanced codes; IPC 8 Rolled-up Core codes added**

IPC code range searching is now more flexible in USPATFULL/USPAT2. You can use a hyphen with spaces as a separator in IPC range searching. You can now also use a colon, with or without spaces, between the codes in your search.

This flexibility is intended for implementation in STN patent databases already containing the IPC thesaurus. It will be implemented in other databases newly enhanced with IPC 8 data at the time the IPC thesaurus is installed.

In addition, arrow highlighting was added to the IPC.TAB display format.

The IPC thesaurus has been enhanced to make it easier for you to identify the Core (COR) IPC code when the Advanced (ADV) code is known, or to identify the Advanced code(s), potentially providing greater specificity, when the Core code is known.

Example showing identification of a Core code when the Advanced code is known:

```
=> E C03B0001-02+CORE/IPC
E47      119  -->  C03B0001-02/IPC
E48      477  CORE  C03B0001-00/IPC
```

For more information on IPC Reform, visit:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)

[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

IPC 8 Rolled-up Core codes are now being added to the International Patent Initial Classification (/IPCI) field in USPATFULL/USPAT2 on STN.

Rolled-up Core codes are IPC codes added to patents containing IPC codes at the Advanced level—when a patent document contains an IPC code assigned at the Advanced level, the corresponding Core level IPC code is automatically added to the IPCI field of that record.

IPC code information in patent records originates from two sources:

- The information supplied by the patent-issuing organizations when a patent document is published is found in USPATFULL/USPAT2 in the /IPCI.
- The reclassifications of patent documents provided by the European Patent Office (EPO) are found in the International Patent Reclassification (/IPCR) field in USPATFULL/USPAT2. Reclassification data has included Rolled-up Core codes since the first IPC 8 reclassifications were issued in late 2005.

The addition of Rolled-up Core codes provides you with an advantage in searching and retrieving results. You now have the means to search for a particular area of technology across all patent-issuing organizations and countries, no matter what their policies are for assigning IPC codes at the Core, Advanced, or both levels.

While you can search specifically for IPC code information, including Rolled-up Core codes, in the /IPCI or /IPCR field, most IPC code searches should be done using the /IPC super field.

In the CLASS display, each Rolled-up Core code will have [C\*] as the bracketed data following an IPC code.

In the IPC.TAB display format, Rolled-Up Core codes in the IPCI portion of the record have Core\* in the LEVEL column. They also have RC (Rolled-up Core) in the CC column (supplies information about which patent-issuing organization supplied the IPC code) and Machine in the Assignment column. RC is the code that is used when CAS is the party responsible for adding a Rolled-up Core code to a patent document.

Rolled-up Core codes in the IPCR portion of a record show EP in the CC column, since they have been provided by the EPO. As in the IPCI portion of the record, they show Core\* in the Level column and Machine in the Assignment column.

The USPATFULL/USPAT2 Database Summary Sheets are available at:

[www.cas.org/ONLINE/DBSS/uspatfullss.html](http://www.cas.org/ONLINE/DBSS/uspatfullss.html)

[www.cas.org/ONLINE/DBSS/uspat2ss.html](http://www.cas.org/ONLINE/DBSS/uspat2ss.html)

## Modifying IPC queries in STN current-awareness alerts

IPC Reform may have affected search strategies in your current-awareness alerts (SDIs). If you have included IPC codes in your search strategies, make sure you review them and make edits, as necessary.

This article provides general tips for modifying IPC queries for current-awareness alerts in databases in which IPC 8 data has been implemented.

To check the status of IPC 8 implementation in databases on STN, enter HELP CHANGE at an arrow prompt (=>) in the database or consult these IPC Reform web sites:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)

[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

### General tips for modifying IPC queries in alerts

#### Change search field to /IPC

If your alert search profile contains terms in the /IC, /ICA, /ICI, /ICM, /ICS, /MGR, or /SGR search field, change the search field to /IPC. The /IPC field contains all IPC codes and will continue to be updated. The other fields contain only IPC data from patent documents published with pre-Reform IPC codes and will not be updated with data from newly issued patents.

#### Ensure validity of IPC codes

Verify any IPC codes in your search strategies to ensure their continued validity. You can use the revised manual of classifications available from WIPO at: [www.wipo.int/classifications/ipc/ipc8/](http://www.wipo.int/classifications/ipc/ipc8/)

Or, you can use the STN online thesaurus within those specific databases.

#### Reviewing current-awareness alerts.

```
=> D SAVED/S
NAME          CREATED      NOTES/TITLE
-----
BIOCIDES/S    11 APR 2005  SDI REQUEST FOR FILE INPADO

=> D BIOCIDES/S FULL
NAME          CREATED      NOTES/TITLE
-----
BIOCIDES/S    11 APR 2005  SDI REQUEST FOR FILE INPADO
COST CENTER              NONE
UPDATE QUALIFIER        UP
METHOD OF DELIVERY      EMAIL
EMAIL ID(S)             HELP@CAS.ORG
NOTIFICATION            YES
PRINT FORMAT            BIB.M
MAXIMUM NUMBER OF HITS
  TO BE PRINTED          100
HIGHLIGHTING            NO
DUPLICATE ELIMINATION   YES
PRINT FILE BACKGROUND   NO
SEND SDI WITH NO ANSWERS NO
DISPLAY QUERY WITH RESULTS YES

L3                QUE ABB=ON PLU=ON A01N0047-02/IC
```

View your alerts.

Use D FULL to view the search strategy.

#### Verifying and revising your IPC search profile.

```
=> FILE INPADO

=> E A01N0047-02+HIE/IPC
E1      16      BT5  A/IPC
          SECTION A - HUMAN NECESSITIES
E2      0      BT5  AGRICULTURE/IPC
          :
          :
E6      273    BT1  A01N0047-00/IPC
          Biocides, pest repellants or
          attractants, or plant growth
          regulators containing organic
          :
          :
E7      6828   --> A01N0047-02/IPC
          . the carbon atom having no bond to
          a nitrogen atom
          CORE
          VALID FROM 19800101 TO PRESENT
          ( IPC EDITION: 3-8 )
E8      1324   NT1  A01N0047-04/IPC
          . . containing N-S-CHal groups
          ADVANCED
          VALID FROM 19800101 TO PRESENT
          ( IPC EDITION: 3-8 )
E9      2606   NT1  A01N0047-06/IPC
          . . containing -O-CO-O- groups; Thio-
          analogues thereof
          ADVANCED
          VALID FROM 19800101 TO PRESENT
          ( IPC EDITION: 3-8 )
***** END *****

=> S E7+ADV/IPC
L1      7449  A01N0047-02+ADV/IPC (3 TERMS)
```

Verify your IPC query in the /IPC thesaurus. EXPAND IPC code +HIE displays the title of the IPC with its broader and narrower terms. Notice that there are Advanced IPCs for the Core IPC that was entered.

Create a revised query with additional Advanced IPC codes in the /IPC field.

# Search Tip

## Include all Core and Advanced IPC codes

Find and include in your current-awareness alert search profile all the Core and Advanced IPC codes for your chosen topic. Patent offices use CORE and Advanced classifications. For comprehensive results, use both. If you are using the online IPC thesaurus, select the E-numbers for the Core and Advanced IPC codes.

## Use SDI EDIT to update your query

Use SDI EDIT (or ALERT EDIT) to edit the SDI search query. Simply replace the old query with the new query.

In this example, the search profile was changed as follows:

- The search field was changed from /IC to /IPC.
- Advanced IPC codes were searched in addition to the Core IPC codes for more comprehensive results.

## Additional resources

Enter HELP THESAURUS and HELP RCODE for information on using the /IPC thesaurus in each database.

Also, refer to the Patent Interchange article, *Verifying IPC codes with the IPC thesaurus in CA/CPlus and USPATFULL/USPAT2*, in the January/February 2006 issue of *STNews*.

Contact CAS Customer Care for help in updating your SDIs.

## Editing the SDI search profile.

```
=> SDI EDIT
ENTER SDI NAME TO BE EDITED OR (END):BIOCIDES/S
PARAMETER          SETTING
-----
SDI Name and Creation Date  BIOCIDES/S      11 APR 2005
SDI REQUEST FOR FILE INPADO
1 Title
                        :
                        :
16 SDI Expiration Date     NOT SPECIFIED
-----
17 L2  QUE  ABB=ON  PLU=ON  A01N0047-02/IC

ENTER LINE NUMBER(S) FOR CHANGE, END, OR (?):17
> ABB=ON  PLU=ON  A01N0047-02/IC

You have the following options:
1 - Change a PORTION of the L-number
2 - Reenter the ENTIRE L-number
3 - Insert a new line BEFORE the current L-number
4 - Insert a new line AFTER the current L-number
ENTER YOUR SELECTION, ?, OR (NONE):2
ENTER REPLACEMENT QUERY, ?, OR (NONE):L1
                        :
                        :

ENTER LINE NUMBER(S) FOR CHANGE, END, OR (?):END
SAVE THE CHANGES? (Y)/N:Y
SDI REQUEST 'BIOCIDES/S' HAS BEEN EDITED

=> D BIOCIDES/S FULL
NAME          CREATED          NOTES/TITLE
-----
BIOCIDES/S    23 MAY 2006    SDI REQUEST FOR FILE INPADO
COST CENTER          NONE
UPDATE QUALIFIER     UP
METHOD OF DELIVERY   EMAIL
EMAIL ID(S)          HELP.CAS.ORG
NOTIFICATION         YES
PRINT FORMAT         BIB.M
MAXIMUM NUMBER OF HITS
TO BE PRINTED        100
HIGHLIGHTING         NO
DUPLICATE ELIMINATION YES
PRINT FILE BACKGROUND NO
SEND SDI WITH NO ANSWERS NO
DISPLAY QUERY WITH RESULTS YES

L2          QUE  ABB=ON  PLU=ON  A01N0047-02+ADV/IPC
```

Use SDI EDIT to edit your SDI. Line numbers are assigned to items that can be edited.

Enter the line number (17) for the query.

Enter the L-number (L1) for the replacement query.

Display information on the revised alert in FULL to verify the changes.

## Finding and searching Core and Advanced IPC codes

Why should you find and search Core and Advanced IPC codes? With IPC Reform, patent offices are choosing whether they will assign IPC codes at the Core or Advanced level. Offices assigning at the Advanced level will often assign IPC codes from both levels.

For a list of countries applying Core and Advanced level IPC codes, visit: [www.wipo.int/classifications/ipc/en/reform/table\\_use\\_core\\_adv.pdf](http://www.wipo.int/classifications/ipc/en/reform/table_use_core_adv.pdf)

Advanced level IPC codes consist of roughly 70,000 classification groups. Included are all IPC 7 groups, as well as additional IPC 8 groups. Advanced level IPC codes tend to be applied by large patent offices.

Core level IPC codes consist of roughly 20,000 classification groups. They represent a less detailed subset of the Advanced level IPC codes. Smaller patent offices tend to classify patents at the Core level rather than at the Advanced level.

For comprehensive retrieval, you need to find and search IPC codes at both Core and Advanced levels.

---

**With IPC Reform, patent offices are choosing whether they will assign IPC codes at the Core or Advanced level. For comprehensive retrieval, you need to find and search IPC codes at both Core and Advanced levels.**

---

### Finding Core and Advanced IPC codes

You can find Core and Advanced IPC codes online in the IPC thesaurus that is now available in many patent databases on STN.

To do so, EXPAND on an IPC code in the /IPC field and use any of the relationship codes, e.g., HIE (for the hierarchy of broader and narrower terms) to find additional information. Each IPC is labeled as either CORE or ADVANCED. To display only Core IPC codes, EXPAND on an IPC followed by the relationship code +CORE or +COR. To display only advanced IPC codes, EXPAND on an IPC code followed by the relationship code +ADVANCED or +ADV.

### Searching Core and Advanced IPC codes

If you're using an online thesaurus, you can search any specific E-numbers, ranges, or an E-number followed by a relationship code.



## Finding and searching Advanced IPC codes in the /IPC thesaurus.

```
=> FILE CAPLUS

=> E A01N0047-28+ED/IPC
E1      4347 --> A01N0047-28/IPC
        . . Ureas or thioureas containing the groups
        N-CO-N or N-CS-N (isoureas, isothioureas
        A01N0047-42)
        CORE
        VALID FROM 19800101 TO PRESENT
        ( IPC EDITION: 3-8 )
***** END *****

=> E E1+ADV/IPC
E1      4347 --> A01N0047-28/IPC
E2      1640 ADVANCED A01N0047-30/IPC
E3      224  ADVANCED A01N0047-32/IPC
E4      1490 ADVANCED A01N0047-34/IPC
E5      2234 ADVANCED A01N0047-36/IPC
E6      1326 ADVANCED A01N0047-38/IPC
***** END *****

=> S E1+ADV/IPC
L2      6211 A01N0047-28+ADV/IPC (6 TERMS)
```

*EXPAND on an IPC code with the relationship +ED to display the title and information on the level (e.g., CORE) and validity.*

*Enter a valid Core IPC code +ADV to display its corresponding Advanced IPC codes.*

*Search one or more E-numbers for a valid Core IPC code followed by +ADV to search both Core and Advanced IPCs.*

## Finding Core IPCs in the /IPC thesaurus.

```
=> E A01N0047-38+ED/IPC
E1      1326 --> A01N0047-38/IPC
        . . . containing the group N-CO-N where at
        least one nitrogen atom is part of a
        heterocyclic ring;
        Thio-analogues thereof
        ADVANCED
        VALID FROM 19800101 TO PRESENT
        ( IPC EDITION: 3-8 )
***** END *****

=> E E1+COR/IPC
E1      1326 --> A01N0047-38/IPC
E2      4347 CORE  A01N0047-28/IPC
***** END *****
```

*Follow an IPC code with +COR to display Core IPC codes.*

## Additional resources

For more information regarding STN implementation of IPC 8, visit:

[www.cas.org/EO/ipcreform.html](http://www.cas.org/EO/ipcreform.html)

[www.stn-international.de/stndatabases/details/ipc\\_reform.html](http://www.stn-international.de/stndatabases/details/ipc_reform.html)

For database-specific information, enter HELP CHANGE at an arrow prompt (=>) in the database.

Enter HELP THESAURUS and HELP RCODE for information on using the /IPC thesaurus in each database.

## Free maintenance release of STN Express with *Discover!* (Version 8.01b) now available

A free maintenance release (Version 8.01b for Windows®) for STN Express with *Discover!* is now available. To receive the free maintenance release, you need to be currently using the Analysis Edition of STN Express with *Discover!* (Version 8.0 or higher for Windows).

This maintenance release includes new features, structure improvements, as well as fixes to specific issues that have been reported.

### New features

- Improved file associations: STN Express now launches automatically when you double-click any of these file types:  
.rep            .str  
.tbl            .trn
- Easier access to User Guide information: Selecting **Help > View STN Express User Guide** directs you to the STN Express with *Discover!* Resources web page, providing access to the most recent updates in the STN Express User Guide.

### Structure building improvements

- Acyclic bond characteristics set to Ring no longer revert to Chain without warning. A pop-up note now alerts you when reverting to Chain.
- A query fragment referenced by a G-group may not be part of a Variable Point of Attachment (VPA), regardless of the sequence of drawing steps.
- The R-Group Analysis Table Tool now recognizes and accepts user-specified structures containing unspecified bonds.
- An unspecified bond in an isolated ring no longer excludes the possibility of normalized bonds.

### Maintenance fixes

- The Properties Wizard was updated.
  - Spectral data are now available from both REGISTRY and SPECINFO.
  - You can specify which database(s) to include by setting the "Spectra Data Databases" preference on the Account tab.

### Software availability

To upgrade to this maintenance release from an existing version of the Analysis Edition (Version 8.0 and higher):

1. Launch STN Express.
2. Select **Web** from the toolbar.
3. Select the appropriate STN Service Center.
4. Select **Free Maintenance Upgrades**.

Or, for instructions on how to download this maintenance release, visit:  
[www.cas.org/Support/express80/win/patches/patches.html](http://www.cas.org/Support/express80/win/patches/patches.html)

You need to currently have the Analysis Edition of STN Express with *Discover!*, Version 8.0 or higher, to download this free maintenance release. To verify that you are using this version of the Analysis Edition:

1. Launch STN Express.
2. Select **Help > About STN Express** from the main menu.

STN Express with *Discover!*, Version 8.01b, will also be available directly from the Web via the Purchase and Download site ([casweb.cas.org/stnexpress/html/english/login.html](http://casweb.cas.org/stnexpress/html/english/login.html)), which is available to you if you are an STN-Columbus customer with an STN login ID and password.

You can also obtain the software on CD-ROM:

- Use the printed or PDF version of the STN Express with *Discover!* Order Form
- Request a CD-ROM online



### CAS contacts

<b>CAS Customer Care:</b>	<b>Phone: 800-753-4227 (North America) or 614-447-3700 (worldwide)</b>
<b>CAS:</b>	<b>Phone: 800-848-6538 (North America) or 614-447-3600 (worldwide)</b>
<b>E-mail:</b>	<b><a href="mailto:help@cas.org">help@cas.org</a></b>
<b>CAS web page:</b>	<b><a href="http://www.cas.org">www.cas.org</a></b>
<b>STN web page:</b>	<b><a href="http://www.cas.org/stn.html">www.cas.org/stn.html</a></b>
<b>Information Professionals:</b>	<b><a href="http://www.cas.org/infopro/">www.cas.org/infopro/</a></b>
<b>Patent Information on STN:</b>	<b><a href="http://www.cas.org/patents/">www.cas.org/patents/</a></b>
<b>STNews:</b>	<b><a href="http://www.cas.org/STNEWS/stnewscover.html">www.cas.org/STNEWS/stnewscover.html</a></b>
<b>STNews back issues:</b>	<b><a href="http://www.cas.org/STNEWS/backissue.html">www.cas.org/STNEWS/backissue.html</a></b>



## \$500 credit toward visualization usage

Until August 31, 2006, you can explore STN AnaVist while taking advantage of a \$500 credit\* toward STN AnaVist visualization usage. The \$500 credit will be automatically applied to your invoiced charges.

The \$500 credit applies to the following billable activities:

- Answer set creation (search)
- Visualization
- Saved visualizations (storage fees)

The \$500 credit does not apply to the following billable activities:

- Display, Save, or Print document records
- Use of the Download CPlus Documents feature, including CPlus document charges and download visualization fees

\* This credit is valid for all existing STN® login IDs. Note: STN Easy®—only login IDs are excluded from this offer. The \$500 credit will be automatically applied beginning March 1, 2006, and carried over month-to-month until the \$500 is used or until August 31, 2006.

For more information on STN AnaVist, visit [www.cas.org/stnanavist/](http://www.cas.org/stnanavist/).

## X.25 communication option no longer available after June 2006

If you access STN via dial-up, also known as Value Added Network (VAN) or X.25 access, you will need to change your means of access. After June 2006, there will no longer be an X.25 communication method for STN-Columbus or STN-Tokyo customers.

To ensure that your future access to STN is uninterrupted, please change now to Internet access. Simply follow these steps:

1. Open STN Express® with *Discover!*™.
2. Click the **Setup** button on the main toolbar.
3. In the STN Setup window, click **Modify**.
4. Select **Winsock (Internet)** from the Connect via: drop-down menu.
5. Save changes.

In addition, two secure access options have been added to the STN Express with *Discover!* software to alleviate concerns about the safety of data transmittal over the Internet. You can now access STN through:

- Secure telnet session using RSA encryption in Version 8.0 and higher
- Secured Socket Layer Virtual Private Network (SSL VPN) in Version 8.01 and higher

To purchase STN Express with *Discover!*, Version 8.01, visit: [www.cas.org/ONLINE/STN/orderexpress.html](http://www.cas.org/ONLINE/STN/orderexpress.html)

For step-by-step instructions on how to set up a secure connection to STN Express with *Discover!*, refer to the Take Note article in the January/February 2006 issue of STNews available at: [www.cas.org/STNEWS/JANFEB06/takenote.html#x25](http://www.cas.org/STNEWS/JANFEB06/takenote.html#x25)

Please contact your STN Service Center with additional questions.

## STNews binders available



Need a binder for your 2006 issues of *STNews*? CAS has *STNews* binders available.

To request your free binder, contact CAS Customer Care at [help@cas.org](mailto:help@cas.org). Be sure to include your name and complete address with your request.

## STNewsline—did you sign up?

STNewsline, our electronic newsletter, is published every month. Are you receiving it?

You are not automatically signed up to receive STNewsline just because you receive *STNews*. We need your e-mail address to send it to you.

To receive the latest news about STN by e-mail, visit: [www.cas.org/STNEWS/signup.html](http://www.cas.org/STNEWS/signup.html)

Or, complete this form and fax it to: *STNews* Editor, 614-447-3837.

**YES! Sign me up to receive STNewsline:**

NAME

E-MAIL ADDRESS

ORGANIZATION

COUNTRY

## 2006 CAS exhibits

[www.cas.org/exhibit.html](http://www.cas.org/exhibit.html)

### AALL (American Association of Law Libraries)

July 8-12  
St. Louis, Missouri

### China Chemical Society Meeting

July 11-15  
Jilin, China

### International Isotope Society Symposium

July 16-20  
Edinburgh, Scotland

### Drug Discover Technology Conference

August 7-12  
Boston, Massachusetts

### International Federation of Library Associations (IFLA)

August 20-24  
Seoul, Korea

### 1st European Chemistry Congress

August 27-31  
Budapest, Hungary

### IPO Annual Meeting

September 10-12  
Chicago, Illinois

### ACS National Fall Meeting

September 10-14  
San Francisco, California

### LIASA (Library and Information Association of South Africa Conference)

September 25-29  
Pretoria, South Africa

### BioTech Forum

September 26-28  
Copenhagen, Denmark

### CPhI (Convention on Pharmaceutical Ingredients)

October 3-5  
Paris, France

### AIPLA

October 19-21  
Washington, D.C.

### Drug Discovery Technology India

October 10-12  
Mumbai, India

### ICIC 2006

October 22-25  
Nimes, France

### SERM (ACS Southeast Regional Meeting)

November 1-4  
Augusta, Georgia

### BioNorth 2006

November 20-21  
Ottawa, Ontario

### Online Information

November 28-30  
London, United Kingdom

## 2006 CAS e-Seminars

[www.cas.org/training/schedule.html](http://www.cas.org/training/schedule.html)

7/13	9:00-10:00 a.m.	STN: Is That Patent Still Valid? Finding Patent Expirations and Extensions
7/18	10:30-11:30 p.m.*	STN: Is That Patent Still Valid? Finding Patent Expirations and Extensions
7/25	1:00-2:00 p.m.	STN: Finding Regulatory Compliance Information in CHEMLIST
8/10	9:00-10:00 a.m.	STN: Finding Regulatory Compliance Information in CHEMLIST
8/29	1:00-2:00 p.m.	STN: Maximizing your STN Fixed Fee Plan
9/14	9:00-10:00 a.m.	STN: Maximizing your STN Fixed Fee Plan
9/26	1:00-2:00 p.m.	STN: Creating Superior Document Sets for STN AnaVist
10/12	9:00-10:00 a.m.	STN: Creating Superior Document Sets for STN AnaVist

All times are U.S. Eastern Time.

For a description of each e-Seminar and to register, visit:  
<https://casevents.webex.com/>

\*CAS is offering e-Seminars at later times to accommodate our Asian and Australian customers.

## STNews

STNews is written and produced cooperatively by Chemical Abstracts Service and FIZ Karlsruhe, and printed in three separate editions.

### Staff, North American Edition:

Editor: Crystal Poole

### FIZ Karlsruhe

Dr. Gerhard Herlan

### Contributing Editors:

Jim Blake

Elizabeth Haines

### Design/Production:

Pat Farnlacher

Nadine Mosley

For the North American Edition ©2006 American Chemical Society. Quoting or republishing of material from STNews is encouraged provided that acknowledgement is made of STNews as the source. CAS requests that a copy of the reproduced material be sent to CAS Customer Care, P.O. Box 3012, Columbus, OH 43210-0012 U.S.A. Please send all address changes to CAS, P.O. Box 3012, Columbus, OH 43210-0012 U.S.A. E-mail us at [help@cas.org](mailto:help@cas.org).

## Previously recorded CAS e-Seminars available

<https://casevents.webex.com>

Previously recorded CAS e-Seminars include:

### STN AnaVist

- STN: Introduction to STN AnaVist
- Creating Result Sets for Use in STN AnaVist
- Going Beyond Basic Navigation on STN AnaVist
- Using the Custom Grouping Capabilities in STN AnaVist
- Using the STN AnaVist Interactive Visualization Workspace

### STN Express with Discover!

- STN: Using Discover! Wizards in STN Express
- STN: What's New with STN Express? (Version 8.0)

### Structure Techniques

- STN: Structure and Substructure Searching Tips
- STN: Advanced Structure Search Techniques – Ring Information
- STN: Advanced Structure Searching with Filters/Screens
- STN: Stereochemistry in the CAS Registry File
- STN: Using Boolean Operators in Structure Searching
- STN: Introduction to Polymers
- STN: Finding Post-Treated and Blended Polymers
- STN: Organometallics and Coordination Compounds
- STN: Reaction Searching
- STN: All About MARPAT
- STN: Advanced MARPAT Techniques

### Patent Searching

- STN: Increasing Confidence in Search Results
- STN: Expanding Your Prior Art Search with Controlled Terminology
- STN: Searching for Patent Families
- STN: Multifile Patent Searching
- STN: Patent Citation Searching
- STN: Improving Searches by Including Patent Classification Codes
- STN: "Biotextology" – Text Search Techniques for Biological Information

### Miscellaneous

- STN: Have It Your Way – Customizing Your STN Account
- STN: Automating Your Search
- STN: Multiple Methods of Keeping Current
- STN: Finding Regulatory Information
- STN: Strategies for Finding Novel Formulations
- STN: Finding Clinical Trial and Drug Pipeline Information
- STN: Searching for Engineering Information

# In This Issue

## Feature

STN AnaVist—Using subset visualizations to focus your competitive intelligence research .....	2
---	---

## Database News

BIOSIS, CA/CAPLUS .....	7
CHEMCATS .....	9
LINSPEC, PATDPAFULL, PCTFULL, PHAR/PHIC/PHIN .....	10
USPATFULL/USPAT2 .....	11

## Search Tip

Modifying IPC queries in STN current-awareness alerts.....	12
--	----

## Patent Interchange

Finding and searching Core and Advanced IPC codes.....	14
--	----

## Take Note

Free maintenance release of STN Express with <i>Discover!</i> (Version 8.01b) now available .....	16
STN AnaVist \$500 credit toward visualization .....	17
X.25 communication option no longer available after June 2006 .....	17
STNews binders available .....	18
STNewsline—did you sign up? .....	18
2006 CAS exhibits.....	18

## STN Seminars

2006 CAS e-Seminars.....	19
Previously recorded CAS e-Seminars available .....	19

## Included with this issue

CAPLUS Database Summary Sheet

*In case you missed it:*

## STNews Jan/Feb

- Exploring property information using STN
- Searching and displaying experimental spectral data in REGISTRY
- Manual current-awareness searching on STN
- Variable group analysis enhanced in STN Express with *Discover!*, Version 8.01
- Verifying IPC codes with the IPC thesaurus in CA/CAPLUS and USPATFULL/USPAT2
- STN® on the Web<sup>SM</sup> now offers new Windows structure plug-in

## STNews Mar/Apr

- Guide to IPC Reform implementation in STN databases
- Searching link terms in EMBASE
- STN AnaVist, Version 1.1, enhancements help you share your visualization results
- Searching and displaying IPC Reform data
- Free maintenance release of STN Express with *Discover!*, (Version 8.01a) now available

You can find it easily by searching the CAS web site at:  
[www.cas.org/websearch.html](http://www.cas.org/websearch.html)

## In Japan

Japan Association for International Chemical Information (JAICI)  
STN Japan  
Nakai Building  
6-25-4 Honkomagome, Bunkyo-ku  
Tokyo 113-0021, Japan  
Phone: 81 3-5978-3601 (Technical Service)  
Phone: 81 3-5978-3621 (Customer Service)  
Fax: 81 3-5978-3600  
E-mail: helpdesk@jaici.or.jp (Technical Service)  
E-mail: cas-stn@jaici.or.jp (Customer Service)  
Internet: www.jaici.or.jp

Japan Science and Technology Agency (JST)  
STN Japan  
5-3 Yonbancho, Chiyoda-ku  
Tokyo 102-8666, Japan  
Phone: 81 3-5214-8493  
Fax: 81 3-5214-8450  
E-mail: helpdesk@mr.jst.go.jp  
Internet: pr.jst.go.jp/db/STN/

## In Europe

FIZ Karlsruhe  
STN Europe  
P.O. Box 2465  
76012 Karlsruhe  
Germany  
Phone: (+49) 7247808-555  
Fax: (+49) 7247808-259  
E-mail: helpdesk@fiz-karlsruhe.de  
Internet: www.stn-international.de

## In North America

Chemical Abstracts Service  
STN North America  
P.O. Box 3012  
Columbus, Ohio 43210-0012 U.S.A.  
Phone: 800-753-4227 (North America)  
614-447-3700 (worldwide)  
Fax: 614-447-3751  
E-mail: help@cas.org  
Internet: www.cas.org/stn.html

