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STN News

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- **STN Express[®], Version 8.3, now available**
- **STN[®] on the WebSM enhanced with new STN[®] AnaVistTM Assistant and BLAST[®] plug-in**
- **STN AnaVist enhanced with database content from EPFULL**
- **INPAFAMDB now available on STN[®] for patent family searching**
- **MEDLINE[®] reloaded with enhancements**
- **Improved STNews e-newsletter**

Interface News

Interface News includes information on interface enhancements released in December 2007-June 2008. For additional information, visit the Products & Services and Support & Training web pages at www.cas.org.

STN Express

STN Express®

Version 8.3 now available (02/08)

STN Express, Version 8.3, is now available for the Windows® operating system. The new version includes several important updates.

Enhanced Select Discover! Wizard window

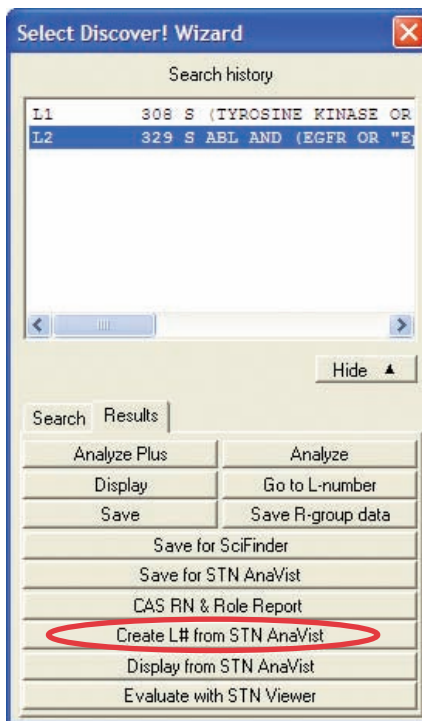
The Select Discover! Wizard window has been redesigned to provide greater utility and better visibility of the search session:

- The search history window now displays the search strategy and the L-number of the items retrieved.
- The overall size of the Select Discover! Wizard window has been reduced.
- The Search and Results wizards are now accessible within tabbed menus with an option to Hide or Show the tabbed menus.

New Create L-number from STN® AnaVist™ wizard

A new wizard in Version 8.3 creates a fully-functional L-number from a saved STN AnaVist answer set (.xta file format). In addition to searching, the L-number can be used to:

- Display answers from STN AnaVist in any format
- Move full-text patent documents from STN AnaVist to STN® Viewer™ via the Evaluate with STN Viewer wizard



Enhanced wizard window with the new Create L-number from STN AnaVist wizard.

Additional software enhancements

- Support files for databases, fields, lexicons, thesauri, and other items now update automatically at login.
- The number of G-group attachment points allowed to be in use in a query structure has increased from 20 to 100.
- The CAS RegistrySM BLAST[®] feature has been updated.
- A new toolbar button enables launching of STN AnaVist.

New software installer

A new STN Express software installer now allows for easier installation and is more consistent with Windows standards for software installation. Transcript, query, script, and other files created in previous versions of STN Express (and stored within the STN Express file structure) will be copied to a new STN Express 8.3 folder conveniently located in:

- My Documents (Windows 2000 and XP)
- Documents (Windows Vista®)

If you have an STN® login ID and password, download Version 8.3 software for free at the STN Software License and Download web site (<https://casweb.cas.org/stnexpress/html/english/login.html>).

To obtain the software on CD-ROM, visit the Products & Services web pages for STN Express at www.cas.org.



STN® on the WebSM

Enhanced with new STN AnaVist Assistant and BLAST plug-in (06/08)

A new STN AnaVist Assistant has been added to the left-hand navigation pane in STN on the Web. The new assistant provides an option to export answers to STN AnaVist, similar to the Save for STN AnaVist wizard in STN Express, Versions 8.2 and higher. Now you can save STN on the Web answer sets in the .xta file format for analysis and visualization in STN AnaVist.

The STN AnaVist Assistant also provides an option to import answers from STN AnaVist, similar to the Create L-Number from STN AnaVist wizard in STN Express, Version 8.3. Now you can open STN AnaVist answer sets (.xta file format) in STN on the Web. A fully functional L-number is automatically created for each STN AnaVist answer set opened in STN on the Web.

In addition, the CAS Registry BLAST plug-in has been updated. To download the updated plug-in, click **Get Sequence Plug-in** in the left-hand navigation pane in STN on the Web. With this update, STN on the Web is now fully Windows Vista compatible.



STN AnaVist

Version 1 discontinued (05/08)

STN AnaVist, Version 1, has been discontinued. You can no longer log on to STN AnaVist, Version 1.0, 1.01, or 1.1.

STN AnaVist, Version 2.0, not only provides many new and enhanced features for analysis and visualization but also includes content from Derwent World Patents Index® (DWP)SM.

If you have an STN login ID and password, download Version 2.0 software for free at the STN Software License and Download web site (<https://casweb.cas.org/stnexpress/html/english/login.html>).

To obtain the software on CD-ROM, visit the Products & Services web pages for STN AnaVist at www.cas.org.

Enhanced with database content from EPFULL (06/08)

Patent documents from European Patents Full Text (EPFULL) are now available for analysis and visualization in STN AnaVist. EPFULL covers bibliographic data and abstracts for applications and granted patents published by the European Patent Office (EPO) since 1978. Full text is available for applications (A documents) published since 1987 and for granted patents (B documents) published since 1991.

To analyze and visualize EPFULL content in STN AnaVist, use STN Express, Version 8.2 or higher, to create an answer set that includes EPFULL documents. Then use the Save for STN AnaVist wizard to create an .xta file for import into STN AnaVist. Or, create your answer set with STN on the Web and use the new STN AnaVist Assistant.



STN Viewer

Enhanced with full-text patent content from USPATOLD (12/07)

Patent documents from U.S. Patents Pre-1976 (USPATOLD) are now available with STN Viewer. USPATOLD includes more than 3.5 million records and covers the full text of patents issued from the U.S. Patent and Trademark Office (USPTO) from 1790-1975.

Database News includes information on database enhancements released in December 2007-June 2008. For additional information, refer to the Database Summary Sheets available at www.cas.org.

AEROSPACE

Enhanced with more than 1 million U.S. patents (06/08)

Aerospace and High Technology Database (AEROSPACE) has been enhanced with more than 1 million U.S. patent records. Patent records will now be included in monthly updates.

In addition, the following new fields are searchable and can be displayed in the new Application Information (AI) predefined display format:

- Application Country (AC)
- Application Date (AD)
- Application Number (AP)

The following document types are now included in the document type (DT) field:

- Utility
- Plant
- Design
- Statutory
- Reissue

CASM/CAplusSM

Enhanced with new custom IPC display formats (12/07)

Two new custom display formats for International Patent Classification (IPC) codes have been added to CA/CAplus:

- IPC.UNIQ – displays a set of unique IPC codes for a basic patent and equivalents (if any)
- IPC.HIT – displays IPC codes matching those specified in the search query

IPC.UNIQ may be used for a more compact display of IPC information. The CLASS and IPC.TAB formats are available for more extensive IPC information, including IPC metadata. IPC.HIT may be used to quickly determine why a specific record has been retrieved with a complex search strategy.

Examples:

```
=> D IPC.UNIQ

L1 ANSWER 1 OF 480 CAPLUS COPYRIGHT 2007 ACS on STN
IPC.UNIQ
A61K0038-00; A61K0039-00; C07K0014-435;
C07K0014-705; C07K0016-18; C07K0016-28;
A61D; C12N0015-18; C12N0015-16; A61P0019-08;
A61P0019-00; A61K0038-18; C07K0016-22;
A61K0039-395; C07K0014-51; C12N0015-09;
A61K0039-39; A61P0019-10; A61P0043-00;
C07K0014-47; C12N0001-10; C12N0001-11;
C12N0001-15; C12N0001-19; C12N0001-21;
C12N0005-10; C12P0021-02; C12P0021-08;
A61K0038-17; C07H0021-00; C07H0021-04;
C12P0021-06

=> D IPC.HIT

L2 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2007 ACS on STN
IPC.HIT
A61K0038-00; A61K0039-395; C07H0021-00
```

IPC.UNIQUE and HITIPC may be used as aliases for IPC.UNIQ and IPC.HIT, respectively.

Patent number format for U.S. applications updated (03/08)

CA/CAplus and CASREACT® now include 11 character patent numbers for U.S. applications. The 11 character format is consistent with that used by the United States Patent and Trademark Office (USPTO) and other key STN® patent resources, including Derwent World Patents Index® (DWPISM) and INPADOCDB.

An example of an 11 character patent number (in bold) for a U.S. application is shown below in STN format:

```
L4 ANSWER 1 OF 16181 CAPLUS COPYRIGHT 2008 ACS on
STN
AN 2008:354756 CAPLUS
TI Novel human virus causing severe acute
respiratory syndrome (sars) and uses thereof
IN Peiris, Joseph S. M.; Yuen, Kwok Yung; Poon, Lit
Man; Guan, Yi; Chan, Kwok Hung; Nicholls, John
M.; Leung, Frederick C.
PA Peop. Rep. China
SO U.S. Pat. Appl. Publ., 114pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPL. NO. DATE
-----
PI US 20080069838 A1 20080320 US 2004-808121 20040324
PRAI US 2004-808121 20040324
```

Database crossover is not affected by the update. There is no need to edit current-awareness alerts (SDIs) that included 10 character patent numbers for U.S. applications. In addition, searches using a 10 or 11 character number will retrieve the same record:

```
=> S US2008069838/PN
=> S US20080069838/PN
```

Updated with IPC reclassification data (06/08)

CA/CAplus, USPATFULL, USPAT2, and USPATOLD now include complete International Patent Classification (IPC) reclassification data for the second quarter of 2008. Check for the latest information on implementation of IPC reclassification data in the banner message that displays when you enter one of these databases.

CASREACT

Patent number format for U.S. applications updated (03/08)

See Database News for CA/CAplus.

DGENE

Now includes more than 10 million sequences (12/07)

GENESEQ™ (DGENE) now includes more than 10 million biosequences identified in basic patents from the 41 patent-issuing authorities covered by the Derwent World Patents Index (DWPI).

Enhanced with new homology sequence search option (05/08)

A new option for refining homology sequence search answer sets is now available for the RUN BLAST and RUN GETSIM commands in DGENE, PCTGEN, and USGENE®. You may now refine your sequence search answer sets by either:

- Number of answers
- Minimum percentage of the query self score

To help you determine the minimum percentage of the query self score by which to refine, the query self score value is now displayed with the best answer score value in the sequence search results. The SCORE format for RUN BLAST has also been enhanced to display the percentage of the query self score value in addition to the actual bit score value.

The new minimum percentage option allows you to quickly focus your results to the most relevant answers, which is particularly useful when you are working with large answer sets. This new option is available for BLAST and GETSIM searches, including BATCH and ALERT searches.

Enter HELP CHANGE at an arrow prompt (=>) in DGENE, PCTGEN, or USGENE for details.

EMBASE

Controlled Term thesaurus enhanced (04/08)

The Controlled Term (CT) thesaurus available in Excerpta Medica (EMBASE) has been enhanced to allow the use of major descriptors with SEARCH and EXPAND commands.

For example:

```
=> S *DIABETES MELLITUS+ALL/CT
    L1 163374 "*"DIABETES MELLITUS"+ALL/CT (36
    TERMS)
```

Is now equivalent to:

```
=> S DIABETES MELLITUS+ALL/CT
    L2 256824 "DIABETES MELLITUS"+ALL/CT (36
    TERMS)

=> S L2/MAJ
    L3 163374 L2/MAJ
```

The Controlled Term thesaurus enhancement has also been implemented in the EMBASE learning database (LEMBASE).

EMBASE, EMBAL, and LEMBASE

Reloaded with enhancements (03/08)

Excerpta Medica (EMBASE), EMBASE Alert (EMBAL), and the EMBASE learning database (LEMBASE) have been reloaded and enhanced with more comprehensive information in the Author (AU) and Corporate Source (CS) fields:

- When available, full author names are displayed in the AU field.
- Author names and affiliated organizations are now displayed in AU and CS pairs.
- Correspondence author is identified in the AU field, and contact information is displayed in the corresponding CS field.

Example:

```
L1 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2008
Elsevier B.V. All rights reserved on STN
AN 2008000100 EMBASE
TI Seizure activity and changes in hippocampal
extracellular glutamate, GABA, dopamine and
serotonin.
AU Meurs, Alfred; Ebinger, Guy
CS Department of Neurology, UZ Brussels,
Laarbeeklaan 101, 1090 Brussels, Belgium.
AU Meurs, Alfred; Clinckers, Ralph; Michotte, Yvette
(correspondence); Smolders, Ilse
CS Department of Pharmaceutical Chemistry, Drug
Analysis and Drug Information, Research Group
Experimental Pharmacology, Vrije Universiteit
Brussel, Laarbeeklaan 103, 1090 Brussels,
Belgium. ymichot@vub.ac.be
SO Epilepsy Research, (Jan 2008) Vol. 78, No. 1, pp.
50-59.
Refs: 56
ISSN: 0920-1211 CODEN: EPIRE8
.
.
.
```

Additional information now available in the Source (SO) field:

- Editor names are searchable in the AU and SO fields and are displayable in the Source (SO) field (EMBASE and LEMBASE only).
- The term "editor" is searchable in the SO field (EMBASE and LEMBASE only).
- Meeting names and dates are searchable and displayable in the SO field (EMBASE only).

The 2008 thesaurus is also available in EMBASE and LEMBASE.

Updated with additional options to display authors and affiliated organizations (06/08)

In Excerpta Medica (EMBASE), EMBASE Alert (EMBAL), and the EMBASE learning database (LEMBASE), authors and affiliated organizations are currently displayed as Author (AU) and Corporate Source (CS) pairs. The AU and CS custom display formats have been updated to display this information separately:

=> D AU

```
L1 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2008
Elsevier B.V. All rights reserved on STN
AU Meurs, Alfred; Ebinger, Guy; Meurs,
Alfred; Clinckers, Ralph; Michotte, Yvette
(correspondence); Smolders, Ilse
```

=> D CS

```
L1 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2008
Elsevier B.V. All rights reserved on STN
CS Department of Neurology, UZ Brussels,
Laarbeeklaan 101, 1090 Brussels, Belgium.
Department of Pharmaceutical Chemistry, Drug
Analysis and Drug Information, Research Group
Experimental Pharmacology, Vrije Universiteit
Brussel, Laarbeeklaan 103, 1090 Brussels,
Belgium. ymichot@vub.ac.be
```

To display authors and affiliated organizations in AU and CS pairs, use the new AU.CS custom display format. Predefined display formats (BIB, ABS, IND, ALL) continue to display AU and CS pairs.

EPFULL

Enhanced with 260,000 English abstracts (06/08)

Approximately 260,000 English patent application abstracts have been added to European Patents Full Text (EPFULL) to supplement existing pre-2003 patent application abstracts in German and French. As a result, comprehensiveness of English-language prior art searches in EPFULL has improved significantly.

Patent applications are filed with the European Patent Office (EPO) in English, German, or French. For patent applications filed before 2003, EPFULL previously included titles in all three languages and abstracts in the language of the publication only. With this enhancement, EPFULL now includes English abstracts from the EPO Patent Information Resource for approximately 80% of the pre-2003 German and French patent applications.

EPFULL covers bibliographic information and the full text of patent applications, granted patents, and corrections published by the EPO, as well as bibliographic data of EURO-PCT applications published in the EP Register. The database currently includes more than 2.4 million documents.

FSTA

Enhanced with nearly 40,000 new records in 2007 (03/08)

Food Science and Technology Abstracts® (FSTA) was enhanced with 39,373 records in 2007. This represents a 9% increase compared to 2006, and FSTA now includes a total of 776,544 records.

More than 72% of the new records were from journal articles and 22% were from patents. The remaining content covered legislation, standards, books, conference proceedings, reports, reviews, and theses. As in previous years, the largest numbers of records covered:

- Fruits, Vegetables, and Nuts
- Alcoholic and Non-alcoholic Beverages
- Food Sciences

To produce FSTA, International Food Information Service (IFIS) scientists scan approximately 1800 journals from a broad range of disciplines. These include food science and technology, agriculture, marine fisheries science, environmental and water sciences, public health and medicine, nutrition, biology, biotechnology, chemistry, and toxicology. The proportion of Open Access journals has also steadily increased.

A list of serial publications being scanned for FSTA during 2008 is available at www.foodsciencecentral.com/fsc/serialpubs.

IFICDB, IFIPAT, and IFIUIDB

Enhanced with new custom IPC display formats (03/08)

Two new custom display formats for International Patent Classification (IPC) codes have been added to IFI Comprehensive Database (IFICDB), IFI Patent Database (IFIPAT), and IFI Uniterm Database (IFIUIDB):

- IPC.UNIQ – displays a set of unique IPC codes for a patent
- IPC.HIT – displays IPC codes matching those specified in the search query

IPC.UNIQ may be used for a more compact display of IPC information. The IPC.TAB format is available for more extensive IPC information, including IPC metadata. IPC.HIT may be used to quickly determine why a specific record has been retrieved with a complex search strategy.

IPC.UNIQUE and HITIPC may be used as aliases for IPC.UNIQ and IPC.HIT, respectively.

IFIREF

Reloaded with enhancements (02/08)

IFI Uniterm and U.S. Class Reference (IFIREF) has been reloaded with the following enhancements.

New search and display fields:

- Patent Assignee (PA)
- International Patent Classification (IPC)

Additional enhancements:

- Eight-digit searchable accession numbers are now available.
- The Controlled Term (CT) field now includes NOTE display.
- IPC and CLASS are now in the File Segment (FS) field.
- Simultaneous left and right truncation (SLART) is now available in the Basic Index (BI) field.
- The file segment set range values have been removed.
- The stop word list has been removed from the Basic Index (BI) and Controlled Word (CW) fields.

Enter HELP RLOAD at an arrow prompt (=>) in IFIREF for details about the reload.

IMSDRUGCONF

Removed from database clusters and STN (12/07)

IMSworld Medical and Pharmaceutical Meetings Diary (IMSDRUGCONF) has been removed from STN and from its associated database clusters per request of the database producer.

IMSPRODUCT

Reloaded with enhancements (02/08)

IMS LifeCycle, New Product Focus (IMSPRODUCT) has been reloaded with enhancements, including displayable and selectable CAS Registry Number® identifiers. For crossover to the CAS REGISTRYSM record, CAS Registry Numbers are also hyperlinked.

Additional enhancements include:

- The Chemical Name (CN) display field now separates the Chemical Name and Trade Name of a compound.
- The Document Number (DN) format now contains a leading L in place of a zero.
- Simultaneous left and right truncation (SLART) is now available in the Basic Index (BI) field.
- The File Segment (FS) field has been removed.

Enter HELP RLOAD at an arrow prompt (=>) in IMSPRODUCT for details on the reload.

IMSRESEARCH

Reloaded with enhancements (04/08)

IMS LifeCycle, R&D Focus (IMSRESEARCH) has been reloaded with enhancements, including new substance origin and administration information displayed in the Controlled Term (CT) field.

Example:

```
CT      Indication: inflammation; pain; cardiovascular
        disease
        Pharmacology: NSAID; COX inhibitor; prostaglandin
        synthetase inhibitor; analgesic
        Origin: chemical synthesis
        Administration: oral; topical
```

Additional enhancements include:

- Simultaneous left and right truncation (SLART) is now available in the Basic Index (BI) and Chemical Name Segment (CNS) fields.
- Entry Date (ED) and Update Date (UP) are now searchable and displayable.

IMSRESEARCH provides up-to-date intelligence on drugs in development worldwide. It carefully tracks the development, efficacy, and status of pharmaceuticals from early clinical testing through to launch. All types of drugs are covered, including biotechnological products, mixtures, and new formulations.

INPAFAMDB

Now available on STN for patent family searching (05/08)

The International Patent Family Database (INPAFAMDB) is now available on STN as a companion database to the International Patent Documentation Database (INPADOCDB). INPAFAMDB is particularly useful when performing comprehensive prior art searches in 1st level data using free text (from titles and abstracts) and/or classifications (IPC, ECLA, ICO, IDT, and national classifications, including US).

INPAFAMDB and INPADOCDB share the same source data and content but differ with respect to data structure:

- INPAFAMDB – all data belonging to one invention (one family) are indexed as one record
- INPADOCDB – all publications from one authority for one application are indexed as one record

Patent families are defined in INPAFAMDB as the extended INPADOC patent family, i.e., all publications that are directly or indirectly linked via a priority application number.

Approximately 36 million records (inventions) with 65 million publications are currently available in INPAFAMDB. INPAFAMDB records include:

- Bibliographic information for all family members from 81 patent authorities, including 12.6 million English abstracts for 8.5 million families (approximately 30% of the database)
- Fully integrated legal status for 51 patent authorities, including the seven categories assigned by FIZ Karlsruhe to simplify legal status searches
- Citations from 13 patent authorities

Display formats in INPAFAMDB are identical to INPADOCDB. However, fields and formats present family data and incur family charges, e.g., BIB displays the bibliographic data for all publications from the family. For details, enter HELP FORMAT and HELP COST at an arrow prompt (=>) in INPAFAMDB.

INPAFAMDB has been added to the ALLBIB, AUTHORS, CORPSOURCE, HPATENTS, and PATENTS database clusters on STN.

A new learning database for INPAFAMDB (LINPAFAMDB) is also available on STN, covering the same documents as the learning database for INPADOCDB (LINPADOCDB). LINPAFAMDB has been added to the LEARNING database cluster on STN.

KOREAPAT

Updated with 41,000 documents (06/08)

Updating of Korean Patent Abstracts (KOREAPAT) has resumed. More than 41,000 Unexamined and Granted Patents published between October 2007 and February 2008 have been added to the database. The Korean Intellectual Property Office (KIPO) will now resume regular monthly updating.

KOREAPAT provides access to Korean patent information in English and covers Unexamined Patent Applications (A-documents) from 2000 to the present and Examined Patent Applications (B-documents) from 1979 to the present. The database currently includes more than 990,000 records.

LPCI

Now available as a replacement to LDPCI (03/08)

The Patents Citation Index™ learning database (LPCI) is now available on STN and has replaced the Derwent Patents Citation Index® learning database (LDPCI).

MARPAT®

Searching enhanced (01/08)

The following enhancements were recently implemented in MARPAT:

- The number of searches that return at least one incomplete result has been reduced by more than 60%.
- The iteration and answer limits have been increased from 100,000 to 200,000 for both online and batch searches. For more information on MARPAT search limits, enter HELP SLIMITS at an arrow prompt (=>).

MEDLINE® and LMEDLINE

Updated with 2008 MeSH® vocabulary (12/07)

MEDLINE and LMEDLINE have been updated with the 2008 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Library of Medicine® (NLM®). Additional information is available at www.nlm.nih.gov/pubs/techbull/nd07/nd07_medline_data_changes2008.html.

Reloaded with enhancements (01/08)

MEDLINE and LMEDLINE from the U.S. National Library of Medicine (NLM) have been reloaded with a number of enhancements.

Enhancements include:

- The OLDMEDLINE segment of MEDLINE now includes records from the 1949 printed index, *Current List of Medical Literature* (CLML).
- ISSNLinking (L-ISSN) is now searchable and displayable in the source (SO) and International Standard Number (ISN) fields. The L-ISSN represents the first ISSN assigned to any media version of a record, and it links ISSNs assigned to each subsequent media type in which a record is issued. L-ISSNs will begin to appear in MEDLINE and LMEDLINE records in 2008.

For additional information on the reloads, enter HELP RLOAD at an arrow prompt (=>) in MEDLINE and LMEDLINE. Complete details of the reload can be found at www.nlm.nih.gov/pubs/techbull/nd07/nd07_medline_data_changes2008.html.

PCI

Now available as a replacement to DPCI (02/08)

Patents Citation Index (PCI) is now available on STN and will replace Derwent Patents Citation Index (DPCI). You may need to update existing procedures, including scripts, to work with PCI.

New features available in PCI:

- Extended coverage
- Stop words no longer used
- Additional priority application numbers
- Additional Thomson Scientific standard application numbers (/APTS and /PRTS)
- More focused content

PCI is a unique database of examiner citations from patents and literature, including 98 million patent and 11 million literature citations from more than 8 million patent families. Bibliographic patent family data from Derwent World Patents Index (DWPI), all patents and literature cited by examiners, and references to citing patents are included in PCI.

Coverage includes patent citations from 1973 to the present from the European Patent Office (EP), World Intellectual Property Organization (WO), and patent-issuing authorities in the following countries:

- Belgium (BE)
- France (FR)
- Germany (DE)
- Japan (JP)
- Netherlands (NL)
- Spain (ES)
- United Kingdom (GB)
- United States (US)

PCI also includes examiner and author citations from 16 patent-issuing authorities from mid-1994 to May 1997.

A new PCI reference manual is available from FIZ Karlsruhe at www.stn-international.de.

PCTGEN

Enhanced with new homology sequence search option (05/08)

See Database News for DGENE.

REGISTRY

Enhanced with additional experimental spectra (03/08)

Since the beginning of 2008, CAS REGISTRYSM has been enhanced with additional experimental proton, carbon-13, and mass spectra.

This enhancement is part of an ongoing effort to strengthen the collection of experimental spectra first made available in 2005. REGISTRY now includes more than 480,000 experimental spectra.

Includes selected substances from web-based collections (06/08)

CAS is committed to maintaining REGISTRY as the authoritative collection of disclosed chemical substance information.

During the past year, CAS has expanded the sources from which it draws substances and substance information to include selected substance collections on the web. For these substances, the Source of Registration (/SR) field displays the term "Other Sources" with the primary source listed directly below.

Database News

Examples:

```
RN 1026599-14-3 REGISTRY
SR Other Sources
   Database: ChemSpider (ChemZoo, Inc.)

RN 1025205-83-7 REGISTRY
SR Other Sources
   Database: ChemDB (University of California
   Irvine)

RN 1008444-43-6 REGISTRY
SR Other Sources
   Database: ZINC (Shoichet Laboratory)
```

TOXCENTERSM

Enhanced with 2008 MeSH vocabulary in MEDLINE segment (12/07)

The 2008 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Library of Medicine (NLM) have been added to the MEDLINE segment of Toxicology Center (TOXCENTER). Additional information is available at www.nlm.nih.gov/pubs/techbull/nd07/nd07_medline_data_changes2008.html.

Enhanced with reloaded MEDLINE segment (01/08)

The MEDLINE segment of Toxicology Center (TOXCENTER) has been reloaded with a number of enhancements. For details, enter HELP RLOAD at an arrow prompt (=>) in TOXCENTER or visit www.nlm.nih.gov/pubs/techbull/nd07/nd07_medline_data_changes2008.html.

USGENE

Now provides USPTO sequence data within 3 days of publication (01/08)

The United States Patent and Trademark Office (USPTO) Genetic Sequence Database (USGENE) is now the most timely source of USPTO patent and published application sequence data, available within 3 days of publication by the USPTO.

Weekly updates are now provided on Fridays, and include:

- Issued patent data published on Tuesdays
- Published application data published on Thursdays

Issued patent sequence data is therefore available within 3 days, and published application sequence data is available within 1 day of publication by the USPTO.

USGENE provides sequence data updates 10 days faster than any other comparable resource and is typically 1-3 months ahead of the USPTO sequence collection provided by the National Center for Biotechnology Information (NCBI) in GenBank®.

The latest information on USGENE is available at www.stn-international.com/stndatabases/details/usgene-first-p.html.

Enhanced with new homology sequence search option (05/08)

See Database News for DGENE.

USPATFULL, USPAT2, and USPATOLD

Enhanced with new custom IPC display formats (01/08)

Two new custom display formats for International Patent Classification (IPC) codes have been added to U.S. Patents Original Publications (USPATFULL), U.S. Patents Latest Publications (USPAT2), and U.S. Patents Pre-1976 (USPATOLD):

- IPC.UNIQ – displays a set of unique IPC codes for a patent
- IPC.HIT – displays IPC codes matching those specified in the search query

IPC.UNIQ may be used for a more compact display of IPC information. The IPC.TAB format is available for more extensive IPC information, including IPC metadata. IPC.HIT may be used to quickly determine why a specific record has been retrieved with a complex search strategy.

IPC.UNIQUE and HITIPC may be used as aliases for IPC.UNIQ and IPC.HIT, respectively.

Updated with IPC reclassification data (06/08)

CA/CAplus, USPATFULL, USPAT2, and USPATOLD now include complete International Patent Classification (IPC) reclassification data for the second quarter of 2008. Check for the latest information on implementation of IPC reclassification data in the banner message that displays when you enter one of these databases.

USPATFULL and USPAT2

Updated with 11 character patent numbers for U.S. applications (06/08)

USPATFULL and USPAT2 now include 11 character patent numbers for U.S. applications. The 11 character format is consistent with that used by the United States Patent and Trademark Office (USPTO) and other key STN patent resources, including Derwent World Patents Index (DWPI), INPADOCDB, CA/CAplus, and CASREACT.

Database crossover is not affected by the update. There is no need to edit current-awareness alerts (SDIs) that included 10-character patent numbers for U.S. applications. In addition, searches using a 10 or 11 character number will retrieve the same record:

```
=> S US2008069838/PN
=> S US20080069838/PN
```

USPATOLD

Added to additional database clusters (12/07)

U.S. Patents Pre-1976 (USPATOLD) has been added to the ALLBIB and AUTHORS database clusters.

A complete listing of database clusters is available at www.cas.org/support/stngen/clusters/.

WPIDS, WPINDEX, and WPIX

Enhanced with ECLA and current U.S. National Patent Classification (02/08)

European Patent Classification (ECLA), including In Computer Only (ICO) codes, and current U.S. National Patent Classification are now included in Derwent World Patents Index (WPIDS/WPINDEX/WPIX) from February 21, 2008 onward. Approximately 8 million documents in the backfile have been updated with U.S. National (in 3.7 million patents) and ECLA (in 25 million patents) classifications.

New search and display fields:

- European Patent Classification (EPC)
- In Computer Only Codes (ICO)
- U.S. National Classification, Current (NCL)

New search fields:

- EPC Keyword (EPC.KW)
- U.S. National Classification, Current (main) (NCLM)
- U.S. National Classification, Current (secondary) (NCLS)

Current-awareness alerts (SDIs) will not be triggered by the backfile update.

Enter HELP CHANGE at an arrow prompt (=>) in WPIDS, WPINDEX, or WPIX for details.

Enhanced with new predefined hit display formats (04/08)

Derwent World Patents Index (WPIDS/WPINDEX/WPIX) has been enhanced with new predefined hit display formats for selective display of code fields:

- HITCMC – Hit Chemical Code
- HITCODE – CMC, EPC, IPC, NCL, MC, PLC, PLE containing hit terms
- HITPLC – Hit Polymer Coding Plasdoc
- HITPLE – Hit Polymer Indexing Enhanced

Relevant portions of the coding are displayed only when the display fields include HIT terms.

Enter HELP FORMATS at an arrow prompt (=>) in WPIDS, WPINDEX, or WPIX for details.

STNews

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STNewline, our monthly e-mail newsletter, will soon be getting a facelift as well as content enhancements. By signing up now, you can get the latest news about STN® delivered to your "inbox" each month.

The improved e-newsletter will include:

- Important announcements
- Database news
- Links to Ask REGgie, Search Tips, and other technical articles
- Training opportunities
- Events and trade shows
- The latest news about STN interfaces, including STN Express®, STN® AnaVist™, and STN® Viewer™



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Ask REGgie, Power Up, and other technical articles such as Search Tips and Patent Interchange are published regularly on the web.

Visit www.cas.org/support/stngen/stnews/stnarticles/ to read these recent articles:

Ask REGgie

- Locating biochemical data in CAS REGISTRYSM (03/08)
- Finding information about substances that do not have associated references (06/08)

Power Up

- Efficient substance searching with Derwent Chemistry Resource (04/08)

- Using Match Level to broaden or narrow structure search results in MARPAT® (06/08)

Search Tip

- NOT proximity - Not your everyday operator (03/08)
- STN® scripts - A powerful and smart way to work offline (06/08)

STN Expressway

- Moving STN® AnaVist™ documents to STN Express® and STN® Viewer™ (03/08)

To access additional articles as soon as they are available, be sure to regularly visit www.cas.org/stnews/. Better yet, sign up for the *STNews* e-newsletter to be automatically alerted about new articles.

Request your STN® Database Catalog

Printed copies of the STN Database Catalog are now available. The catalog provides:

- Descriptions of STN databases
- Listings of STN database producers
- A comparison chart for STN databases
- Listings of STN database clusters



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CAS patent coverage enhanced to include exemplified prophetic substances

CAS now covers exemplified prophetic substances from all English-, French-, and German-language basic patents. Approximately 1.5 million newly identified exemplified prophetic substances are expected to be added to CAS REGISTRYSM in 2008. By the end of 2008, CAS also expects to cover exemplified prophetic substances in all English-, French-, and German-language basic patents back to the beginning of 2004.

Exemplified prophetic substances are defined by CAS as either:

- Specific substances (e.g., reactants, isolated intermediates, products) that are described, but not characterized, in the Examples section of a patent document, and that do not also appear in patent claims. They may be identified (exemplified) by the inventor by chemical name or structure, including a structure displayed in tabular format.
- Known substances reported in a patent to have novel or new uses when no substantiation of the novel/new uses is provided.

Newly identified prophetic substances are assigned CAS Registry Number[®] identifiers, added to REGISTRY, and indexed in CASM/CAplusSM. Reactions involving prophetic substances (whether reactants, intermediates, or products) are added to CASREACT[®].

CAS indexing of prophetic substances in CAplus is considered supplemental to standard patent indexing. It does not fall under the CAS timeliness guarantee of full indexing within 27 days of receipt of patents from the 9 major patent offices.

The CA/CAplus roles thesaurus has been updated with a new term for prophetic substances, the PRPH super role. Additional roles may be assigned to prophetic substances. For more information, enter HELP ROLES and HELP PRPH at an arrow prompt (=>) in CA/CAplus, CASREACT, and REGISTRY.

2008 CAS trade show schedule

Get the latest product news and learn more about CAS and STN at these events.

ACS Fall National Meeting
Philadelphia, PA
August 17-21

**IPO Annual Meeting
(Intellectual Property
Owners Association)**
San Diego, CA
September 21-23

**SWRM (ACS Southwest
Regional Meeting)**
Little Rock, AR
October 1-4

**PIUG Northeast Workshop
(Patent Information Users
Group)**
New Brunswick, NJ
October 13-16

**AIPLA (American
Intellectual Property Law
Association)**
Washington, DC
October 23-25

**SERM (ACS Southeast
Regional Meeting)**
Nashville, TN
November 12-15

For a complete list of trade shows, visit News & Events at www.cas.org.



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STN provides a variety of free training resources for new users as well as experienced STN searchers.

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- Searching in DWPISM Chemistry Resource (DCR)
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- Vancouver, BC

September 2008

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- Montreal, QC
- Southfield, MI
- Washington, DC

October 2008

- Burlington, MA
- New Brunswick, NJ
- St. Louis Park, MN
- Toronto, ON

December 2008

- Chicago, IL

All instructor-led training in North America is free, but registration is required.

For a complete listing of upcoming opportunities, or to register, visit STN Support & Training at www.cas.org.

Virtual workshops

STN Virtual Workshops on WebEx are free, interactive, web-based seminars that combine the professional training of CAS e-Seminars with the hands-on training of STN Workshops. View these sessions live and then log on to a virtual PC to practice what you learned.

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In case you missed it:

STNews 2007 – Issue 3

- **STN Viewer** – A powerful workflow productivity tool for patent information users
- **USGENE and USPATOLD** now available on STN
- **Using the Company Name Thesaurus** to track mergers and acquisitions in the pharmaceutical industry
- **STN Viewer** – Using the highlighting feature to speed the patent evaluation process
- **STN AnaVist, Version 2.0**, now available with Derwent World Patents Index

STNews 2007 – Issue 4

- **STN AnaVist, Version 2.0** – Powerful analysis and visualization software, now better than ever!
- **CA/CAplus** enhanced with pre-1907 records from *Chemisches Zentralblatt*
- **CAS REGISTRY** enhanced with proton NMR spectra
- **(T)** – The other proximity operator
- **Performing comparative analysis** with STN AnaVist, Version 2.0
- **2007** – Year in review

You can find it easily by searching the CAS web site at www.cas.org.

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