



Chemical Abstracts Service
provides access to
STN in North America

STN News

CODEN: STNWEQ ISSN: 1040-1229

Vol. 20 No. 2

March/April 2004

North American Edition

STN[®]

Science from every
perspective

Highlights

- 2** **STN: Celebrating 20 years of innovative access to high-quality sci-tech information**
- 6** **New patent databases on STN: FRANCEPAT and WPIFV**
- 9** **Using BATCH for broadly defined structure searches that exceed online iteration limits**
- 12** **Searching for metallic materials information**
- 14** **Using the CA Lexicon in the Analysis Edition**
- 16** **What's this? Display options in STN Easy[®]**
- 18** **Using the Company Name Thesaurus Search Aid in CASM/CPlusSM for patent assignee searching**

STN[®] *Celebrating 20 years of innovative access to high-quality sci-tech information*



2004 marks the 20th anniversary of STN, the premier online source for sci-tech information. The success of STN through the years and today proves that the idea of a cooperative network of databases meets a crucial need in the scientific community.

STN today

STN is operated by three organizations – Chemical Abstracts Service (CAS) in North America, FIZ Karlsruhe in Europe, and Japan Science and Technology Agency (JST) in Japan.

Acknowledged as the leading online sci-tech information service, STN now offers access to more than 200 well-respected databases covering a wide range of scientific and technical topics, including:

- Bioscience
- Biotechnology
- Business
- Chemistry
- Computer science
- Energy
- Engineering
- Environmental science
- Food
- Government regulations

- Health and safety
- Materials science
- Mathematics
- Medicine
- Pharmacology
- Physics
- Toxicology
- and more

STN's offering contains:

- References from current and retrospective worldwide literature covering all areas of science and technology
- The world's most esteemed patent databases
- Business and trademark information for market and competitor analysis within the scientific and technical disciplines

STN publicly available

STNews introduced

STN Service Center in Tokyo

STN Express[®]
BEILSTEIN

STNmail introduced

SET PERMANENT

Patent graphics from German Patent Office

1984 1985 1987 1988 1989

The origin of STN

Twenty years ago, STN's operating organizations were already experienced in abstracting and indexing documents in their respective fields of expertise, as well as in operating online networks:

- CAS, a division of the American Chemical Society (ACS), had launched CAS ONLINE, an online search service that is now known as the CAS family of databases on STN.
- FIZ Karlsruhe, formed in 1977 from the merger of five older organizations in the fields of aeronautics, astronautics, atomic energy, mathematics, physics, and space research, ran an online network of databases, Information System Karlsruhe (INKA).
- JST, then known as the Japan Information Center for Science and Technology (JICST), had experience operating the JICST Online Information Service (JOIS).

The goal for STN was to provide customers worldwide with convenient access to:

- A range of scientific and technical databases searchable through one command language
- Customer service in a timely and convenient manner, as well as in their own language

These goals continue to govern STN operations.



The announcement of the STN Service Center in Tokyo: (seated) Kazuo Sugamiya and Shintaro Tabata from JICST and John Crum and Clayton Callis from CAS; (standing) Soichi Tokizane and Hideaki Chihara from JAICI and Dr. Werner Rittberger and Ernst-Otto Schulze from FIZ Karlsruhe.

In 1983, an agreement was signed by ACS and FIZ Karlsruhe. Under the agreement, the scientific and technical databases of CAS and FIZ Karlsruhe were to be offered online through an international science and technical network.

At this point, however, STN was not complete. CAS and FIZ Karlsruhe recognized the need for a service center in Japan. Thus, in 1984, a temporary

STN Service Center was opened through the Japan Association for International Chemical Information (JAICI), an organization with which CAS has worked closely over the years. In 1986, CAS and FIZ Karlsruhe signed an agreement with JICST to operate a permanent STN Service Center in Tokyo.

Sequence
searching in
REGISTRY

Material safety
data sheets
GMELIN

Multifile
searching

Electronic delivery
of search results

SmartSELECT
Derwent World Patents Index®

STNotes
introduced

1990

1991

1992

1993

1994

Feature

Rapid growth

STN was launched as STN InternationalSM in 1984, and provided access to CAS ONLINE. Soon STN began to develop at a rapid pace. During 1985, physics and energy databases from FIZ Karlsruhe, as well as the CAS ONLINE learning files, were added. In 1986, more than 17 databases, including such widely known databases as BIOSIS[®], COMPENDEX, and INSPEC, were made available. In 1987, JICST-E, the English language version of the JICST database, was added and opened up a wide range of Japanese publications to users worldwide. In 1992, the transfer of more than 40 databases from INKA to STN was completed. And, in 1993, the Derwent World Patents Index[®] became available on STN.

Over the years, new databases have continually been added from a variety of sources and disciplines, including biotechnology, chemistry, engineering, geosciences, physics, and toxicology. This broad-based access to scientific and technical information has helped scientists, information professionals, and researchers in a variety of disciplines.

Continual software development

With STN fully operational, and the initial Messenger[®] software completed, efforts turned toward streamlining the process of searching databases and retrieving selected records on STN. Through joint efforts, new system features, including commands and interfaces, have continually been introduced. See the timeline for a chronology.

STN interfaces

STN databases are now accessible from both your desktop and the Web via four interfaces:



STN[®] on the WebSM

Provides the power of STN with the convenience of the Web for the experienced online searcher.



STN Express with Discover![™]

Provides comprehensive desktop access to STN for the experienced online searcher.

STN Express software made online searching easier, as well as more cost-effective and productive. For example, reaction, structure, and text queries could be created offline. *Discover!* wizards and post-processing tools were later added to provide search and reporting assistance. Now, the Analysis Edition makes it easier to visually analyze information.



STN Easy[®]

Provides Web access to sci-tech information for the occasional searcher.

Paralleling the growth of the Internet, STN Easy was launched to provide a point-and-click interface. Even if you have little or no knowledge of databases or search commands, STN Easy helps you access a wealth of information found in selected databases on STN.

FSEARCH
FSORT
PFAM

SMARTracker

STN Easy
FOCUS
SET PLURALS

DGENE

Multifile
current-awareness
alerts

SET ABBREVIATIONS

STN Express with
Discover! wizards
TRANSFER, ANALYZE,
TABULATE

STN on the Web
Keep & Share Program
STN Full-Text Solution
STNewsline introduced

1995 ••••• 1996 ••••• 1997 ••••• 1998 ••••• 1999 •••••



Science from every perspective.

STN Easy® for IntranetsSM

Utilizes STN Easy to provide customized searching for end users or designated Workgroups via an organization's intranet.

To provide you with an easy-to-configure product that could reside on an Intranet, STN developed STN Easy for Intranets. It offers alerts, predefined searches, custom categories, custom links, and charge back code capabilities.

Continual response to customer needs

After 20 years, the STN brand continues to strengthen because of our customers. Listening to customer needs, continually enhancing content and functionality, and developing new tools for search, retrieval, analysis, and visualization of data, set STN apart.

Customer feedback has inspired the following recent innovations:

- POLYLINK command in REGISTRY, which allows easy retrieval of related polymers
- SDI PACKAGE, which allows for delivery of multifile alert results in one package once per month

Only in STN

STN provides unique value:

- An unsurpassed collection of more than 200 databases and outstanding tools for search, retrieval, analysis, and reporting
- The only place where you can search CPlusSM, Derwent World Patents Index, and INPADOC together
- The largest repository of publicly available sequence information for searching – the CAS RegistrySM file, GenBank[®], DGENE (Derwent Geneseq), and PCTGEN (World Patent Application Biosequences)
- Seamless access to the original journal and patent literature
- Access from multiple interfaces, i.e., STN Express with *Discover!*, STN on the Web, STN Easy, STN Easy for Intranets

- Alerts and Workgroup functionality within STN Easy for Intranets
- Enhanced analysis and visualization tools in the Analysis Edition of STN Express with *Discover!*
- Substance analysis through the Variable Group Analysis Table Tool in the Analysis Edition of STN Express with *Discover!*

STN has grown tremendously over the past 20 years. It has developed into

a truly international search service, based on three continents, that consists of more than 200 world-class databases. Information professionals, patent attorneys, patent searchers, scientists, other researchers, and engineers worldwide continue to count on STN to provide exactly the sci-tech information they need – whether it is the answer to a broad research question or information about a single molecule.

CA Lexicon

Post-processing tools

BLAST[®] similarity searching

STN Easy for Intranets

Electronic delivery of results with graphic images

Analysis Edition

Workgroups

SDI PACKAGE

20th anniversary of STN

2000

2001

2002

2003

2004

CA/CAPLUS **—patent coverage expanded**

Patent documents from Greece are now covered in the CA/CAPLUS family of files. The coverage is retroactive to January 1, 2000.

CAS patent coverage information is available at:

www.cas.org/EO/patyear.html

The revised CA/CAPLUS Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/cass.html

www.cas.org/ONLINE/DBSS/caplusss.html

The CAPLUS Database Summary Sheet is also included with this issue of *STNews*.

CHEMLIST®/HCHEMLIST **—TSCA Inventory and Swiss Giftlist 1 updated**

TSCA Inventory Tape information is current through January 6, 2004, as provided by the January 2004 version from NTIS.

Edition 2003/2004 of the Swiss Giftlist 1 (List of Toxic Substances 1) is now available.

The revised CHEMLIST/HCHEMLIST Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/chemlistss.html

www.cas.org/ONLINE/DBSS/hchemlistss.html

FRANCEPAT **French Patents** **—new patent database on STN; added to database clusters**

French Patents (FRANCEPAT), a new patent database, is now available on STN.

It covers all patent-relevant areas of science and technology and contains:

- French patent applications and granted French patents published by INPI from 1966 to the present
- Special pharmaceutical patents (Brevet Speciaux Medicaments) from 1961-1978
- Complementary Protection Certificates from 1969 to the present

FRANCEPAT is produced by Institut National de la Propriété Industrielle (INPI), and is a private service offered under a distribution agreement with Institut National de la Propriété Industrielle (INPI).

FRANCEPAT records include the following information:

- Abstracts for records from 1978 to the present
- Administrative status
- Bibliographic information
- Descriptors for records from 1978 to the present
- English descriptors for records from 1987 to the present
- IPC Codes
- Legal status
- Patent drawing images for records from 1978 to the present

Simultaneous left and right truncation is available in the Abstract (/AB) field, as well as the Basic Index (/BI).

FRANCEPAT contains over 1 million records with over 400,000 images from 1961 to the present. It is updated weekly, and current-awareness alerts (SDIs) are available weekly (default) or monthly. The records are in French.

FRANCEPAT participates in the STN Information Keep & Share Program.

For pricing information, see HELP COST in the file.

FRANCEPAT has also been added to the following database clusters: ALLBIB, CORPSOURCE, HPATENTS, and PATENTS.

The FRANCEPAT Database Summary Sheet is included with this issue of *STNews* and is available at:

www.cas.org/ONLINE/DBSS/francepatss.html

FSTA **Food Science and Technology Abstracts®** **–additional journals scanned and included**

FSTA provides international coverage and access to additional sources not available in other food and agriculture databases. Journals scanned for the first time in 2003 include:

- *Asia Pacific Food Industry*
- *Brazilian Journal of Microbiology*
- *Indian Journal of Biotechnology*
- *Annual Report, United Planters' Association of Southern India*

FSTA contains English language records that have been converted from a wide range of original languages, including Chinese, Czech, Dutch, Finnish, French, German, Hungarian, Italian, Norwegian, Polish, Portuguese, Russian, Serbo-Croatian, Spanish, Swedish, and Turkish.

The current list of publications scanned by the International Food Information Service (IFIS) for FSTA is available at:

www.foodsciencecentral.com

To request your free copy, contact the database producer, IFIS, at ifis@ifis.org.

The revised FSTA Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/fstass.html

MEDLINE®/LMEDLINE **MEDlars ONLINE/MEDLINE Learning File** **–files reloaded; 2004 MeSH vocabulary incorporated**

MEDLINE and LMEDLINE have been reloaded.

Data from 1951-1957 has been added, and MEDLINE now contains records from 1951 to the present.

In addition, the annual update to Medical Subject Headings (MeSH), NLM's controlled vocabulary used for subject indexing and retrieval, was implemented. Highlights of the 2004 MeSH changes include:

- 11 MeSH Tree levels, compared to nine in 2003
- 666 descriptors were added, representing topics without corresponding descriptors in the 2003 MeSH
- 109 descriptors have been replaced with up-to-date terminology

- 20 descriptors have been deleted
- The Toxicity subheading's definition was revised and this term can now be used to retrieve both experimental and environmental exposures
- MEDLINE records previously indexed to the MeSH Heading "Case Report" are now indexed to the Publication Type "Case Reports" beginning with 2004 data. *Note: Saved queries that include "Case Report" should be updated to "Case Reports" to reflect this change.*

In addition, significant changes have been made to the following categories:

- Organisms (B), including the addition of 310 new descriptors to the Bacteria (B3) subcategory
- Substances (D), including the addition of 246 new descriptors to the Amino Acids, Peptides, and Proteins (D12) subcategory and 65 new enzyme classes to the Enzymes and Coenzymes (D8) subcategory
- Physiology (G)
- Ethnic Groups and Geographic Origins (I and M)

More information on changes to the 2004 MeSH is available at:

www.nlm.nih.gov/pubs/techbull/nd03/nd03_mesh.html

The revised MEDLINE/LMEDLINE Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/medliness.html

www.cas.org/ONLINE/DBSS/lmedliness.html

REGISTRY/ZREGISTRY **–TSCA Inventory updated**

TSCA Inventory information is now current through January 6, 2004.

The revised REGISTRY/ZREGISTRY Database Summary Sheets are available at:

www.cas.org/ONLINE/DBSS/registryss.html

www.cas.org/ONLINE/DBSS/zregistryss.html

TOXCENTERSM

–MEDLINE file segment reloaded

The MEDLINE file segment of TOXCENTER has been reloaded.

Data from 1951-1957 has been added to the MEDLINE file segment. This file segment now covers records from 1951 to the present.

In addition, the annual update to Medical Subject Headings (MeSH), NLM's controlled vocabulary used for subject indexing and retrieval, was implemented. Highlights of the 2004 MeSH changes include:

- 11 MeSH Tree levels, compared to nine in 2003
- 666 descriptors were added, representing topics without corresponding descriptors in the 2003 MeSH
- 109 descriptors have been replaced with up-to-date terminology
- The Toxicity subheading's definition was revised and this term can now be used to retrieve both experimental and environmental exposures
- MEDLINE records previously indexed to the MeSH Heading "Case Report" are now indexed to the Publication Type "Case Reports" beginning with 2004 data. *Note: Saved queries that include "Case Report" should be updated to "Case Reports" to reflect this change.*

More information on changes to the 2004 MeSH is available at:

www.nlm.nih.gov/pubs/techbull/nd03/nd03_mesh.html

The revised TOXCENTER Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/toxcenterss.html

WPIFV

Derwent World Patents Index First View –new patent database available

A new patent database, Derwent World Patents Index First View (WPIFV), is available on STN. WPIFV is produced by Derwent Information Ltd., London, UK, part of Thomson Scientific.

WPIFV contains previews of the latest published patent documents in advance of their inclusion in the WPI files. Searching WPIFV in combination with the WPI files, i.e., WPIDS/WPINDEX/WPIX, provides you with complete and timely access to all patent documents issued by the 40 patent-issuing authorities covered by Derwent.

WPIFV records contain enhanced bibliographic data for all new patent documents, as well as original titles, abstracts, and technical drawing images. English-language abstracts are available for patents from China, Japan, Korea, Russia, and Taiwan.

WPIFV is a rolling database. Each record remains in WPIFV until additional value has been added by Thomson Derwent analysts. The record is then added to the WPI files and the corresponding WPIFV record is removed.

The majority of the records in WPIFV are for Basic patents. Most new Equivalent patents will continue to be added directly to the WPI files and will not appear in WPIFV. WPIFV does, however, contain records for patents equivalent to Basics which are present in WPIFV and for which the value added processing steps for the Basic patent has not yet been completed.

WPIFV contains 60,000-90,000 records and images on a rolling basis. It is updated at the same frequency as the WPI files (currently 82 times per year). The updating of WPIFV and the WPI files is kept as close as possible, but there may be short periods when the databases are not synchronized. Information about the update status of each file is available in the file entry banner.

Current-awareness alerts (SDIs) are available monthly, weekly, and every update. However, using the monthly or weekly frequency may cause records to be missed. Due to the rolling nature of the database, records could enter and leave WPIFV between SDI runs. Consider setting up multifile current-awareness alerts with WPIFV as one of the components.

WPIFV participates in the STN Information Keep & Share Program.

For pricing information, see HELP COST in the file.

The WPIFV Database Summary Sheet is available in STNGUIDE and at:

www.cas.org/ONLINE/DBSS/wpifvss.html

Using BATCH for broadly defined structure searches that exceed online iteration limits



The BATCH command can be helpful when higher iteration limits are required for a particular search.

Database	Structure search	Maximum number of iterations
MARPAT	Online FULL	60,000
MARPAT	BATCH FULL	150,000
REGISTRY	Online FULL	400,000
REGISTRY	BATCH FULL	600,000

Q. What can I do when I get the message, **FULL FILE PROJECTIONS: ONLINE INCOMPLETE**, when searching structures in **REGISTRY**, **MARPAT®**, or **CASLINK**?

A. Check the projections for the **BATCH** search. If the message for one, or both, of the databases is **BATCH COMPLETE**, conduct your search overnight using the **BATCH** command. The search fee is the same.

Searching CASLINK

The easiest way to conduct the most current and comprehensive patent search using a structure in the CAS files is to search the structure in CASLINK.

CASLINK automatically searches:

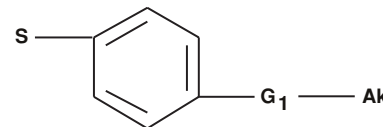
- REGISTRY for specific substances
- MARPAT and MARPATprevSM for Markush or generic structures that represent substances that may have been claimed in patents
- CAplus for all associated references

However, if you are searching a very broad structure, CASLINK runs into the same search limits as if you were conducting your searches individually in REGISTRY, MARPAT, and MARPATprev.

Conducting a BATCH search

One way to avoid online iteration limits is to search your structure using the BATCH command. BATCH structure searches may be conducted in individual files, not in CASLINK. Because the BATCH search is done overnight, a complete search of all the CAS structure and bibliographic databases takes place over 2 days.

Example: Find patents issued since 2000 on substances with the following structural requirements:



G1 = N, O, P, Se, or Te
Ak is a linear, saturated alkyl.

One way to avoid online iteration limits is to search your structure using the BATCH command.

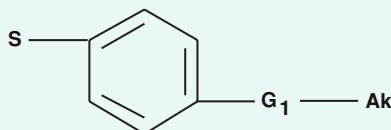
Tasks for Day 1

To begin your structure search, follow these steps:

1. Conduct a SAMPLE structure search in CASLINK to check ONLINE and BATCH projections for completion.
2. Request a BATCH search in the databases in which the ONLINE projection is INCOMPLETE and the BATCH projection is COMPLETE.

```
=> FILE CASLINK
FILES 'REGISTRY, MARPAT, MARPATPREV, CAPLUS' ENTERED
      AT 16:33:04 ON 3 MAR 2004
```

```
=>
Uploading C:\Program File\Queries\batch1.str
```



```
L1          STRUCTURE UPLOADED
```

```
=> S L1
S L1 SSS SAM FILE=REGISTRY
FILE 'REGISTRY'
SAMPLE SEARCH INITIATED 16:33:27
SAMPLE SCREEN SEARCH COMPLETED - 22272 TO ITERATE

      4.5% PROCESSED      1000 ITERATIONS      50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
```

```
FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   436518 TO 454362
PROJECTED ANSWERS:     142295 TO 152585
```

```
L2          50 SEA SSS SAM L1
```

```
S L2 SSS SAM FILE=MARPAT
FILE 'MARPAT'
SAMPLE SEARCH INITIATED 16:33:27
SAMPLE SCREEN SEARCH COMPLETED - 2630 TO ITERATE

      38.0% PROCESSED      1000 ITERATIONS      50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03
```

```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:   49963 TO 55237
PROJECTED ANSWERS:     29218 TO 33586
```

```
L3          50 SEA SSS SAM L1
```

```
=> FILE REGISTRY
```

```
=> BATCH
ENTER QUERY L# FOR BATCH REQUEST OR (END):L1
ENTER BATCH REQUEST NAME OR (END):BATCHREG/B
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:SSS
ENTER SCOPE OF SEARCH (FULL) OR RANGE:FULL
QUERY L1 HAS BEEN SAVED AS BATCH REQUEST 'BATCHREG/B'
```

Enter CASLINK and upload your structure.

Conduct a SAMPLE search.

Full file projection for an online search in REGISTRY is INCOMPLETE. BATCH projection is COMPLETE.

Full file projection for an online search in MARPAT is COMPLETE.

Enter REGISTRY.

Enter BATCH and answer the prompts. To indicate that it is a Batch request, include /B after the Batch Request Name.

In REGISTRY, enter
D SAVED/A to list
the BATCH
answer set.

```
=> FILE REG
=> D SAVED/A
NAME                CREATED          NOTES/TITLE
-----
--
BATCHREG/A          03 MAR 2004     141056 ANSWERS IN FILE
                                REGISTRY
```

ACTIVATE the
BATCH answer set.

```
=> ACT BATCHREG/A
L1                STR
L2                141056 SEA FILE=REGISTRY SSS FUL L1
```

Enter CAPLUS.
Search the
REGISTRY
L-number answer
set. Limit answers
to basic patents
issued since 2000.

```
=> FILE CAPLUS
=> S L2 AND PATENT/DT AND PY.B>=2000
    48958 L2
    4292380 PATENT/DT
    3811430 PY.B>=2000
L3    4110 L2 AND PATENT/DT AND PY.B>=2000
```

Enter MARPAT and
conduct a FULL
structure search.

```
=> FILE MARPAT; S L2 SSS FULL
FILE 'MARPAT' ENTERED AT 14:51:48 ON 04 MAR 2004
100.0% PROCESSED  54072 ITERATIONS  31341 ANSWERS
SEARCH TIME: 00.01.57
L4    31341 SEA SSS FUL L1
```

Enter MARPATprev
and conduct a FULL
structure search.

```
=> FILE MARPATPREV; S L4 SSS FULL
FILE 'MARPATPREV' ENTERED AT 14:54:09 ON 04 MAR 2004
100.0% PROCESSED  135 ITERATIONS  7
ANSWERS
SEARCH TIME: 00.00.01
L5    7 SEA SSS FUL L1
```

Remove duplicates.

```
=> DUP REM L5 L4 L3
FILES 'MARPATPREV, MARPAT, CAPLUS' ENTERED AT 14:54:29
ON 04 MAR 2004
L6    33671 DUP REM L5 L4 L3 (1787 DUPLICATES
      REMOVED)
      ANSWERS '1-7' FROM FILE MARPATPREV
      ANSWERS '8-31327' FROM FILE MARPAT
      ANSWERS '31328-33671' FROM FILE CAPLUS
```

Enter CAPLUS and
search the
combined answer
set. Limit the
results to basic
patents issued
since 2000.

```
=> FILE CAPLUS; S L6 AND PY.B>=2000
L7    2344 S L6
    3811430 PY.B>=2000
L8    2344 L7 AND PY.B>=2000
```

Tasks for Day 2

To complete your structure search, follow these steps:

1. ACTIVATE the answer set and the structure from the BATCH request.
2. Conduct structure searches in the structure databases with ONLINE projections marked COMPLETE.

For cost-effective searching:

- Search the REGISTRY L-number answer set in MARPAT
 - Search the MARPAT L-number answer set in MARPATprev to take advantage of a lower fee for extending a MARPAT search to MARPATprev
3. Remove duplicates.
 4. In CAPLUS, refine the results to produce one answer set of patent documents referencing compounds with the structure searched.

Additional resources

For other search options when the FULL FILE PROJECTIONS ONLINE or BATCH message indicates a search is INCOMPLETE, refer to the Ask REGgie article in the July/August 2003 issue of *STNews* and the Patent Interchange article in the September/October 2003 issue of *STNews*.

Searching for metallic materials information

When you are searching for metallic materials information, start your search in METADEX, one of the core files for metallic materials information. METADEX, produced by Cambridge Scientific Abstracts (CSA), contains about 1.4 million references to worldwide literature on all aspects of metals and alloys, e.g., their properties, production, and applications, from 1966 to the present.

METADEX is the online version of *ASM Review of Metal Literature* (1966-1967), *Metals Abstracts* (1968 to the present), *Alloys Index* (1974 to the present), and *Steels Supplement* (1983-1984).

Metals Abstracts was originally published as *Metallurgical Abstracts* from 1934-1939 and as the *Institute of Metals Journal* from 1940-1967. In its present form *Metals Abstracts* evolved from the merger of *Metallurgical Abstracts* and *Review of Metal Literature* in 1965, and has been published as *Metals Abstracts* since 1967 by Materials Information, a joint service of The Institute of Metals (London) and the American Society for Metals. In 1996, Materials Information was acquired by CSA.

In addition to books, conference proceedings, patents, and reports, over 2,000 scientific journals are regularly scanned for inclusion in METADEX. METADEX is updated monthly with about 3,500 new records.

Simultaneous left and right truncation is available in the Basic Index (/BI). The Basic Index field in METADEX contains single words from the Abstract (/AB), Controlled Term (/CT), Corporate Name (/CN), and Title (/TI) fields.

Indexing and classification codes

METADEX contains indexing and subject classification terms not only for metals but also for alloys. The following two search fields for alloy information work together and are unique to METADEX:

- Alloy Indexing Term (/ALI) – contains alloy descriptions for references entered into METADEX from 1974 to the present
- Classification Code of Alloy (/CCA) – contains one or more CCAs for each alloy indexed in the Alloy Indexing Term field

You can search for information in the /ALI field by:

Topic	Example
Numerical designation	S 304/ALI
Trade name	S INCONEL 718/ALI
Systems	S (AL-CU OR CU-AL)/ALI (L) SYS/CCA

You can search for classifications in the /CCA field by:

Topic	Example
Code	E AL/CCA
Single words from text combined with Boolean and/or proximity operators	S (HEAT (W) RESISTANT (W) STEELS)/CCA

Classification Codes of Alloys are divided into two lists – one for steels and one for ferrous and non-ferrous alloys. See the *Additional Resources* section for information about the lists.

Element Terms Field

The Element Terms (/ET) field is unique to STN and allows for comprehensive retrieval of chemical substances in several engineering files on STN, e.g., METADEX. A special computer program developed by FIZ Karlsruhe scans abstracts, titles, and other text for alloys, chemical formulas, doped systems, eutectic systems, material descriptions, and nuclear reactions. The identified formulas are analyzed and converted into a standardized format, then placed in the ET field. The original formula, the number of elements, and all elements of the material are searchable. See the *Additional Resources* section for ET field resources.

Example: Retrieve recent articles on aluminium base alloys in vehicles using the Classification Code of Alloy (/CCA) field.

Enter METADEX.

EXPAND and SEARCH on aluminium base alloys (AL) in the Classification Code of Alloy (/CCA) field.

Use SET PLURALS ON to retrieve records containing singular and plural forms of your search terms.

SEARCH E3 and your search terms in the Basic Index (/BI).

SEARCH L1 and 2000-2004 in the Publication Year (/PY) field to retrieve recent answers.

DISPLAY an answer.

```
=> FILE METADEX

=> E AL/CCA 5
E1      1575      AG/CCA
E2      1575      AG SILVER BASE ALLOYS/CCA
E3      67841    --> AL/CCA
E4      67841    AL ALUMINIUM BASE ALLOYS/CCA
E5      17079    ALLOY/CCA

=> SET PLURALS ON
SET COMMAND COMPLETED

=> S E3 AND (AUTOMOBILE? OR CAR# OR ?VEHICLE?)/BI
      67841 AL/CCA
      8200 AUTOMOBILE?/BI
      7844 CAR#/BI
      5452 ?VEHICLE?/BI
L1     1637 AL/CCA AND (AUTOMOBILE? OR CAR# OR ?VEHICLE?)
      /BI

=> S L1 AND 2000-2004/PY
      151601 2000-2004/PY
L2     286 L1 AND 2000-2004/PY

=> D L2 1 ALL

L2     ANSWER 1 OF 286 METADEX COPYRIGHT 2004 CSA on STN
AN     2004(4):61-294 METADEX
TI     Millionaire In Just Two Years.
SO     Aluscope (2003) 3, 2-3
DT     Journal
CY     Belgium
LA     English
AB     The first Peugeot 307 with a seven-figure serial
      number came off the production line in March 2003
      after less than two years. There are many reasons
      for the million-fold success of the „Car of the Year
      2002“, and they include the new interior concept, the
      unmistakable bodywork and the innovative technical
      solutions, including a super-light bonnet made from
      sheet aluminium. These are specially treated
      aluminium sheets made from alloy 5754 in accordance
      with the Peugeot specification.
CC     61 Engineering Components and Structures
CT     Journal Article; Aluminum base alloys: End uses;
      Automotive bodies: Materials selection; Specifications
ALI    5754 CCA: AL
ET     In
```

Additional resources

For additional information about materials data in METADEX and METADEX search examples, refer to pages 64-74 of the *Searching Engineering Information on STN Workshop Manual*, available at:

www.stn-international.com/training_center/engineering/engin_man2.pdf

For additional information on, and examples of, Classification Codes of Alloys, refer to pages 171-176 of the *Searching Engineering Information on STN Workshop Manual*, available at:

www.stn-international.com/training_center/engineering/engin_man2.pdf

For additional information on, and search examples of, the Element Terms field, refer to pages 94-100 of the *Searching Engineering Information on STN Workshop Manual*, available at:

www.stn-international.com/training_center/engineering/engin_man2.pdf

Or see the Power Up article, *Searching for chemistry in engineering files: The Element Terms field*, in the September/October/November 2002 issue of *STNews*, available at:

www.cas.org/STNEWS/SEPOCT02/powerup.html

The METADEX Database Summary Sheet is available at:

www.cas.org/ONLINE/DBSS/metadex.html



Using the CA Lexicon in the Analysis Edition

Have you noticed that the Analysis Edition automatically highlights some search terms in yellow boxes when you enter them in either CA or CPlus?

=> S **NEOPLASM**

The highlighting points to a new feature – the CA Lexicon window – making it easy to access the CA indexing terminology in the CA Lexicon on STN.

Take advantage of the CA Lexicon window to:

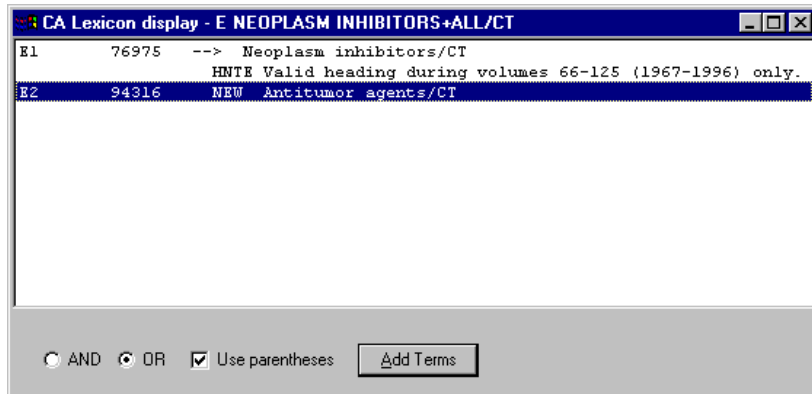
- Add CA Lexicon terms to a search strategy
- Use the CA Lexicon to complete search terms

Adding CA Lexicon terms to a search strategy

1. Enter a search term in CA or CPlus. If the term or phrase is in the CA Lexicon, it is highlighted in a yellow box.

=> S **NEOPLASM INHIBITORS**

2. Right-click on the highlighted term to view the CA Lexicon entries. CA Lexicon entries for the highlighted term are listed in a separate CA Lexicon display window. The terms are the result of the following STN interaction: EXPAND *term*+ALL/CT.



Note: The CA Lexicon feature does not work in the command window.

3. Select the terms to include in your search strategy. Hold the shift key to select consecutive terms. Hold the control key to select non-consecutive terms.

The most commonly used Boolean operator, OR, is the default. If you prefer, you may select the AND operator. Deselect **Use parentheses** if you do not want parentheses to be automatically included around your search terms.

4. Click **Add Terms**. Then close the CA Lexicon display window. Your search profile now includes the CA Lexicon terms you selected. The CA Lexicon terms are searched in the Basic Index unless you specify another search field. If you like, you may add more terms to the search profile.

Note: Be sure to close the CA Lexicon display window when you are finished using the CA Lexicon. If you press Return while the CA Lexicon window is still active, the selected CA Lexicon terms will be added to your search query a second time.

5. Press the **Return** key to conduct the search.

```
=> S (NEOPLASM INHIBITORS OR "Antitumor agents")
    323464 NEOPLASM
    456976 INHIBITORS
    87440 NEOPLASM INHIBITORS
        (NEOPLASM(W) INHIBITORS)
    150730 "ANTITUMOR"
    945851 "AGENTS"
    100617 "ANTITUMOR AGENTS"
        ("ANTITUMOR"(W) "AGENTS")
    L1 173551 (NEOPLASM INHIBITORS OR "ANTITUMOR AGENTS")
```

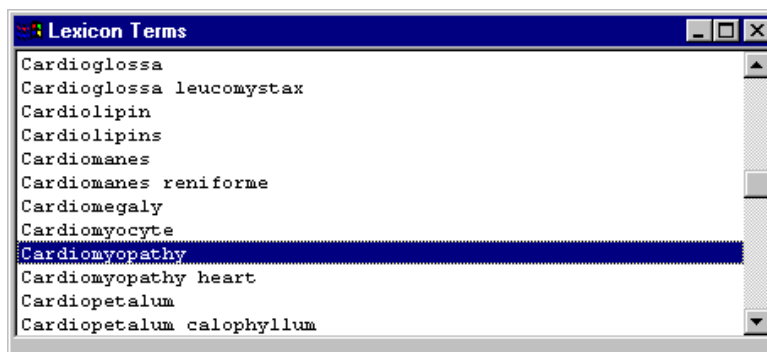
Using the CA Lexicon to complete search terms

1. Start typing a term in the SEARCH or EXPAND command.
2. Select **Look up in Lexicon dictionary** from the **Online** menu, or press Ctrl + F2. CA Lexicon terms display in a separate window.

Note: This feature does not work in the command window.

3. Double-click the term that you want to use. The term is automatically completed.

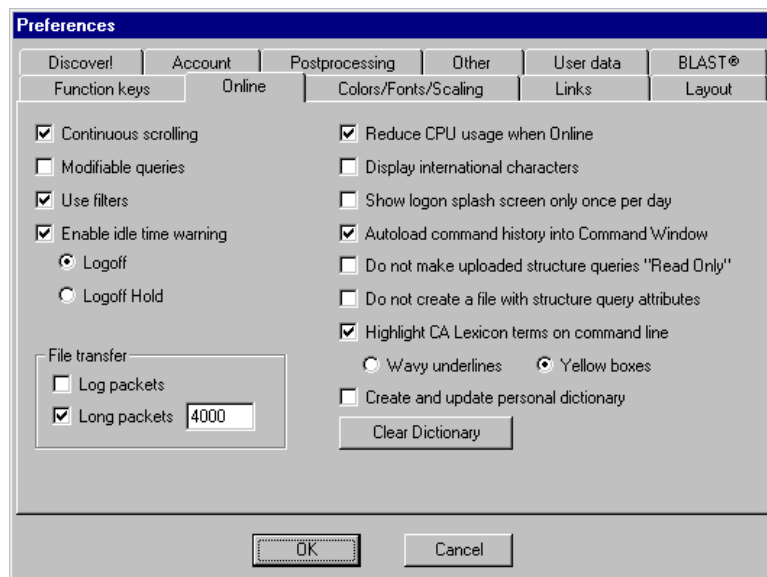
```
=> S CARDIO _
```



```
=> S Cardiomyopathy
```

Preferences

If you do not want CA Lexicon terms to be automatically highlighted in a yellow box in CA/CAplus, you may change your preferences. In the **Online** tab, deselect **Highlight CA Lexicon terms on command line**. You may alternatively select a wavy purple underline for identifying any of the CA Lexicon terms in your search statements. Click **OK** to save your preferences.





What's this? Display options in STN Easy

This is the first in a series of articles that describe helpful tools within STN Easy. Watch for additional articles in future issues of STNews.

Displaying answers in STN Easy

STN Easy lets you quickly and easily customize the display of your answers.

You can choose to display one answer at a time or multiple answers at once. To display just one answer, click the title of the answer. To display multiple answers at once, select the boxes to the left of the titles. Then click **Display Answers**.

STN Easy allows you to specify display options by using drop-down menus located near the bottom of the page. You may specify:

- Which answers to display
- Format of the answers
- Style of the answers

Display Selection

The **Display Selection** menu lets you specify which answers to display. In the example, notice that there are 28 answers divided among 3 pages. You can choose to display:

- **Selected on all pages**
- **Selected on this page**
- **All on this page**

To take advantage of this option, select multiple answers and then click **Display Answers**.

Display Format

Available display formats, and their content, vary by database. Most STN Easy databases have two display formats:

- **Standard** – includes the bibliographic information and abstract
- **Standard Plus** – includes additional information, e.g., indexing terms

In patent databases, the Standard Plus format may include information such as full text or the exemplary claim for full-text databases, legal status information, or cited references. INPADOC offers two additional display formats:

- **Family Brief** – displays the patent family in a compact form and provides bibliographic information only for the basic patent

- **Family Plus** – includes the content of Family Brief plus bibliographic information and, if available, the legal status information for all members of the patent family

Regardless of whether you display one answer at a time or multiple answers at once, STN Easy uses the display format that is currently selected.


Display Style

The **Display Style** menu allows you to select from two display styles:

- **STN Easy** – includes descriptive names for each field, e.g., Author, Title
- **STN** – uses field codes, rather than descriptive names, for each field, e.g., AU, TI

Novice searchers may prefer STN Easy style. However, searchers who are comfortable with traditional STN command line searching may prefer STN style.

Regardless of whether you display one answer at a time or multiple answers at once, STN Easy uses the display style that is currently selected.



Answer Page

Easy Search

Advanced Search
CAS Number Search
Patent Lookup
Defined Searches

Review Saved Items

+ Help

Session Cost
Price List
Preferences
Search History

+ Cust. Support
+ STN Easy for Intranets
Comments
Log Off

Results for Search Question:
"catnip oil"

Save these search terms for future use

Total Hits: 28 [\[Show Answers By Database\]](#)

Too many answers? [Refine Your Search](#) [Show Duplicates](#)

Clear	Titles from CAplus in Most Recent Order Best Match Order
<input type="checkbox"/>	1 Catnip essential oil as a barrier to subterranean termites (Isoptera: Rhinotermitidae) in the laboratory [\$4.25]
<input type="checkbox"/>	2 Cognition enhancing agents containing nepetalactone [\$4.25]
<input type="checkbox"/>	3 Study of the essential oil from lemon catnip (Nepeta cataria L. var. citriodora) in comparison with the oil from lemon balm (Melissa officinalis L.) [\$4.25]
<input type="checkbox"/>	4 New essential fatty acid sources: seed oils of Dragon grass catnip (Nepeta cataria var. citriodora Balb.) [\$4.25]
<input type="checkbox"/>	5 Catnip (Nepeta cataria L.) essential oil: analysis of chemical constituents, bacteriostatic and fungistatic properties [\$4.25]
<input type="checkbox"/>	6 (4aS,7S,7aR)-Nepetalactam and (4aS,7S,7aR)-2-[(3R,4R,4aR,7S,7aR)-octahydro-4,7-dimethyl-1-oxocyclopenta[c]pyran-3-yl]nepetalactam. Nitrogen analogs of nepetalactone and nepetalic psi-anhydride [\$4.25]
<input type="checkbox"/>	7 Chemical composition of Melissa essential oil [\$4.25]
<input type="checkbox"/>	8 Study of the essential oil of lemon-scented catnip grown on the Apsheiron Peninsula [\$4.25]
<input type="checkbox"/>	9 Behavioral and toxicological studies of cyclopentanoid monoterpenes from Nepeta cataria [\$4.25]
<input type="checkbox"/>	10 Long-lasting euphoriant resin for cats [\$4.25]

[Page 1] [2] [3] [Next]

Display Selection: Display Format: Display Style:

[Display Answers](#)

Setting your preferences

Once you determine which format and style work best for you, you can save those selections in your Preferences.

To set your Preferences:

1. Log on to STN Easy.
2. Click **Preferences** from the left-hand Navigation Frame.
3. Select your default display format.
4. Select your default display style.
5. Click **Apply**.

Cost of displaying answers

The cost of displaying answers in STN Easy varies by database and display format. You are charged for each answer you display.

You can easily verify the cost of displaying an answer by checking the price displayed to the right of each title. That price reflects the display format that is currently chosen. So, you can view the price of another display format by simply selecting that format from the **Display Format** menu.

More information

For more information about STN Easy pricing, see the STN Easy Price List, available at:

stneasy.cas.org/html/english/pricocol.html

More information about using STN Easy is available in the STN Easy Help files:

stneasy.cas.org/html/english/helps/TOC.htm

Quick tips, examples, and information about STN Easy databases can be found within the **Help** section on the left-hand Navigation Frame.

Using the Company Name Thesaurus Search Aid in CA/CPlus for patent assignee searching

When searching for patent assignees, take advantage of a new search aid, the Company Name Thesaurus, in the CA/CPlus family of files on STN. With this search aid, you can easily identify related forms of the names of many major companies that CAS has compiled from records in its database.

The Search Aid provides standard thesaurus functions in the Company Name (/CO) field. Each company family is assigned a Company Number (CNUM) and a Preferred Name (NAME) for the highest level company name. The thesaurus identifies related company names, e.g., Related Terms (RT), and Joint Ventures (JV) under the preferred company name (NAME). In addition, NOTES on the "history" of the company are provided, when available.

This example shows how you can expand your search for a patent assignee by including terms for related company names from the Company Name Thesaurus in CA/CPlus. For the purpose of illustration, the example shows a search of patent assignees only in the HCAplus file. You may also easily use the related company names to search patent assignees in other patent files on STN.

With this search aid, you can easily identify related forms of the names of many major companies that CAS has compiled from records in its database.

Example: Find chemical and chemical engineering patents assigned to Degussa.

```
=> FILE HCAPLUS

=> E DEGUSSA/PA 6
E1          1      DEGUPLAST/PA
E2          2      DEGUREMON/PA
E3         2669 --> DEGUSSA/PA
E4         1536      DEGUSSA A G/PA
E5          644      DEGUSSA A G FED REP GER/PA
E6          847      DEGUSSA A G GERMANY/PA

=> S E3
L1          2669 DEGUSSA/PA

=> E DEGUSSA/CO 6
E#  FREQUENCY  AT      TERM
--  -
E1          1      DEGUSS A G/CO
E2          1      DEGUSS AG GESCHAFTSBEREICH
                   EDELMETALLE/CO
E3          414    2 --> DEGUSSA/CO
E4          1      DEGUSSA A B/CO
E5         1937    3      DEGUSSA A G/CO
E6          1      DEGUSSA A G CHEM PRODUCTS
                   DIV/CO

=> E E3+ALL
E1          765      NAME DEGUSSA AG/CO
E2          414 --> DEGUSSA/CO
***** END *****
```

Enter HCAPLUS. EXPAND and SEARCH on DEGUSSA/PA to find patent assignees containing the term.

EXPAND on the company name in the /CO field. The presence of the Associated Terms (AT) column for a term indicates that thesaurus terms are available.

EXPAND on E3 (or E5), followed by +ALL, to view ALL the AT. NAME refers to the Preferred Name for the highest level company name.

Patent Interchange

EXPAND on the Preferred Name +ALL to view ALL associated terms, i.e., the NOTES, Related Terms (RT), and Joint Ventures (JV).

```
=> E E1+ALL
E1          0      CNUM CAS1000242/CO
E2          765  -->  DEGUSSA AG/CO
                   NOTES 1847: Chemische Fabrik Th.
                   Goldschmidt founded
                   1873: Deutsche Gold- und Silber-
                   Scheideanstalt AG vormals Roessler
                   founded
                   1875: Louis Roessler GmbH founded
                   1906: G. Siebert GmbH founded
                   1906: Goldschmidt Chemical Co. founded
                   1908: Bayerische Stickstoffwerke AG
                   founded
                   1911: Th. Goldschmidt AG founded
                   1912: Chemische Fabrik Stockhausen und
                   Cie founded
                   .
                   .
                   .
                   1998: Chemische Werke Huels AG changed
                   name to Huels AG
                   1998: Huels Infracor GmbH formed
                   1999: Korea Carbon Black Co.
                   established
                   2000: Cerdec AG changed company name to
                   dmc2
                   2001: Degussa-Huels AG and SKW
                   Trostberg AG merged to form Degussa
                   AG
                   2001: Laporte PLC acquired by Degussa
                   AG
                   2001: Roehm GmbH acquired by Degussa AG
E3          110      RT1 BAYERISCHE STICKSTOFFWERKE AG/CO
E4           26      RT2 BAYERISCHE STICKSTOFFWERKE A G/CO
E5           1      RT1 BUNAWERKE HUELS GMBH/CO
                   .
                   .
                   .
E112        459      RT2 TH GOLDSCHMIDT A G/CO
E113         90      RT2 TH GOLDSCHMIDT AKT GES/CO
E114          1      RT1 THE FIRM TH GOLDSCHMIDT/CO
E115          1      RT1 THEODOR GOLDSCHMIDT AG/CO
E116          1      RT2 THEODOR GOLDSCHMIDT A G/CO
E117         23      RT1 VEREIN FUR CHEMISCHE INDUSTRIE AG/CO
E118         21      RT2 VEREIN FUR CHEMISCHE INDUSTRIE A G/CO
E119          1      RT2 VEREIN FUR CHEMISCHE INDUSTRIE AKT
                   GES/CO
E120          0      JV1 DAICEL DEGUSSA KK/CO
E121          2      JV2 DAICEL DEGUSSA K K/CO
E122         23      JV2 DAICEL DEGUSSA LTD/CO
E123          0      JV1 FASERWERKE HUELS GMBH/CO
E124         10      JV2 FASERWERKE HUELS G M B H/CO
***** END *****
```

Patent Interchange

Search the E-numbers or E-number ranges for the related company names in the Patent Assignee (/PA) field.

```
=> S E2-E119/PA
      492 "DEGUSSA AG"/PA
      110 "BAYERISCHE STICKSTOFFWERKE AG"/PA
      26 "BAYERISCHE STICKSTOFFWERKE A G"/PA
      1 "BUNAWERKE HUELS GMBH"/PA
      21 "BUNAWERKE HUELS G M B H"/PA
      6 "CERDEC AG KERAMISCHE FARBEN"/PA
      8 "CERDEC A G KERAMISCHE FARBEN"/PA
      .
      .
      21 "VEREIN FUR CHEMISCHE INDUSTRIE A G"/PA
      1 "VEREIN FUR CHEMISCHE INDUSTRIE AKT GES"/PA
L2    12249 ("DEGUSSA AG"/PA OR "BAYERISCHE
      STICKSTOFFWERKE AG"/PA OR "BAYER ISCHE
      STICKSTOFFWERKE A G"/PA OR "BUNAWERKE HUELS
      GMBH"/PA OR "BUNAWERKE HUELS G M B H"/PA OR
      "CERDEC AG KERAMISCHE FARBEN"/PA OR "CERDEC
      A G KERAMISCHE FARBEN"/PA OR "CERDEC
      AKTIENGESELLSCH AFT KERAMISCHE FARBEN"/PA OR
      .
      .
      "CHEM ISCHE WERKE HULS GMBH"/PA OR
      "CHEMISCHE WERKE HULS G M B H"/PA OR
      DEGUSSA/PA OR "DEGUSSA A G"/PA OR "DEGUSSA
      AKTIENGESELLSCHAFT "/PA OR "DEGUSSA AUSTRIA
      GMBH"/PA OR "DEGUSSA BAUCHEMIE GMBH"/PA OR
      "DEGUSSA BAUCHEMIE G M B H"/PA OR "DEGUSSA
      CORP"/PA OR "DEGU SSA CORPORATION"/PA OR
      "DEGUSSA DENTAL GMBH CO KG"/PA OR "DEGUSS A
      DENTAL G M B H CO K G"/PA OR "DEGUSS
```

Including related company names produced many additional answers.

```
=> S L2 NOT L1
L3    9580 L2 NOT L1

=> S L1 OR L2
L4    12249 L1 OR L2
```

Use ANALYZE HIT PA to identify the top company names in the search results.

```
=> ANALYZE HIT PA L4 1-
L5    ANALYZE L4 1- PA HIT :    160 TERMS

=> D
L5    ANALYZE L4 1- PA HIT :    160 TERMS
```

TERM #	# OCC	# DOC	% DOC PA	
1	2795	2795	22.82	DEUTSCHE GOLD UND SILBER SCHEIDEANSTALT VORM ROESSL
2	1116	1116	9.11	CHEMISCHE WERKE HUELS A G
3	847	847	6.91	DEGUSSA A G GERMANY
4	709	709	5.79	CHEMISCHE WERKE HUELS A G FED REP GER
5	644	644	5.26	DEGUSSA A G FED REP GER
6	502	502	4.10	DEUTSCHE GOLD UND SILBER SCHEIDEANSTALT VORM ROESSL
7	501	501	4.09	HUELS A G GERMANY
8	474	474	3.87	DEGUSSA AG GERMANY
9	325	325	2.65	TH GOLDSCHMIDT AG FED REP GER
10	306	306	2.50	HUELS A G FED REP GER

More information

More information is available in the CA/CAPLUS Database Summary Sheets, available at:

www.cas.org/ONLINE/DBSS/cass.html
www.cas.org/ONLINE/DBSS/caplusss.html

For online information on the thesauri in each file, enter HELP THESAURUS and HELP RCODE at an arrow prompt.



Personal dictionary functionality available for the Analysis Edition of STN Express with *Discover!*

A free maintenance release (Version 7.0a for Windows®) for customers using the Analysis Edition of STN Express with *Discover!* is available for download.

The major component of this maintenance release is the inclusion of the personal dictionary. The new personal dictionary lets you store an alphabetical listing of all terms used in your search and expand statements. It is helpful when frequently typed, hard-to-spell, or long terms need to be added to the search or expand query. To access your personal dictionary, simply select **Look up in personal dictionary** from the **Online** menu or type Ctrl + F1.

Current Analysis Edition (Version 7.0) users can access instructions on how to download this maintenance release (Version 7.0a) at:

www.cas.org/Support/express70/win/patches/patches.html

If you do not currently have the Analysis Edition of STN Express with *Discover!*, you can purchase it at:

www.cas.org/ONLINE/STN/orderexpress.html

STN wall chart available

The 2004 STN databases and clusters wall chart is available.

To receive your copy, contact CAS Customer Care at help@cas.org. Be sure to include your name and complete mailing address with your request.

SDI and SDI EDIT commands enhanced

When using the SDI or SDI EDIT commands in STN, several punctuation marks are now valid to separate multiple e-mail addresses for delivery of the current-awareness alert (SDI) results.

This table specifies what format combinations are accepted by STN.

Valid punctuation marks

If you have this quantity of e-mail addresses ...	Then separate them by a ...	Example
Single	N/A	xxx@cas.org
Multiple	Comma	xxx@cas.org,xyz@fiz-karlsruhe.de
Multiple	Comma and space	xxx@cas.org, xyz@fiz-karlsruhe.de
Multiple	Semicolon	xxx@cas.org;xyz@fiz-karlsruhe.de
Multiple	Semicolon and space	xxx@cas.org; xyz@fiz-karlsruhe.de
Multiple	Space	xxx@cas.org xyz@fiz-karlsruhe.de

Previously recorded CAS e-Seminars available on the Web

Previously recorded CAS e-Seminars, including both audio and video, are available for your viewing convenience around the clock.

Currently available previously recorded CAS e-Seminars include:

- *STN: Searching for Patent Families*
- *STN: Post-processing Search Results with the Analysis Edition of STN Express with Discover!*
- *STN: All About MARPAT*
- *STN: Structure and Substructure Searching Tips*
- *STN: Highlights from the NE Regional PIUG Patent Forum*
- *STN: Expanding Your Prior Art Search with Controlled Terminology*
- *STN: Biotech Patent Validity Tips*
- *STN: Increasing Confidence in Search Results*

For a description of each CAS e-Seminar or to view one or more, visit:

www.cas.org/training/eseminars/eventlist.html#events

STNews binders available



Need a binder for your 2004 issues of *STNews*? CAS has *STNews* binders available!

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

STNews

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

Staff, North American Edition:

Editor: Kristina Gobel

FIZ Karlsruhe

Dr. Gerhard Herlan

JST

Ryosuke Shimamori

Contributing Editors:

Elizabeth Haines

Alena Miller-Roush

Eric Shively

Design/Production:

Pat Farnlacher

Nadine Seeley

For the North American Edition © 2004 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.

2004 CAS exhibits

www.cas.org/exhibit.html

BioExpo Japan

May 19-21

Tokyo, Japan

PIUG Annual Conference

May 22-27

Baltimore, Maryland

Canadian Chemical Society Meeting

May 29-June 1

London, Ontario, Canada

SLA 2004 Annual Conference

June 6-8

Nashville, Tennessee

BIO 2004

June 6-9

San Francisco, California

iExpo

June 8-10

Paris, France

COMINFO

June 15-17

Frankfurt, Germany

Drug Discovery Technology

August 8-13

Boston, Massachusetts

ACS Fall National Meeting

August 22-26

Philadelphia, Pennsylvania

LIASA Seventh Annual Conference

September 27-October 1

Polokwane, Limpopo Province

BioTech Forum

October 5-7

Copenhagen, Denmark

Frankfurt Book Fair

October 6-10

Frankfurt, Germany

ICIC 2004

October 17-20

Anney, France

EPIDOS

October 25-27

Prague, Czech Republic

SERMACS

November 11-12

Research Triangle Park,

North Carolina

BioNorth '04

November 29-December 1

Ottawa, Ontario, Canada

Online Information 2004

November 30-December 2

London, United Kingdom

CPhi

December 7-9

Brussels, Belgium

2004 STN instructor-led seminars

www.cas.org/training/schedule.html

Baltimore, Maryland

5/27 1pm-4pm STN Patent Forum – *FREE*

2004 CAS e-Seminars

www.cas.org/training/eseminars/eventlist.html

5/25 1pm-2pm STN: "Biotextology" – Text Search Techniques for Biological Information

6/29 1pm-2pm STN: Advanced Structure Search Techniques – Ring Information

All times are US Eastern Daylight Saving Time.

For a description of the e-Seminar, visit:

www.cas.org/training/eseminars/eventdes.html

To register, visit:

casevents.webex.com/

STNewslines— did you sign up?

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

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

So, if you would like to receive the latest news about STN, visit:

www.cas.org/STNEWS/signup.html

Or, simply complete this form and fax it to:
STNews Editor, 1-614-447-3837.

YES! Sign me up to receive STNewslines:

NAME

E-MAIL ADDRESS

ORGANIZATION

COUNTRY



CAS contacts

CAS Customer Care:

Phone: 800-753-4227 (North America)
614-447-3700 (worldwide)

CAS:

Phone: 800-848-6538 (North America)
614-447-3600 (worldwide)

E-mail:

help@cas.org

CAS web page:

www.cas.org

STN web page:

www.cas.org/stn.html

Information Professionals:

www.cas.org/infopro/

Patent Information on STN:

www.cas.org/patents/

STNews:

www.cas.org/STNEWS/stnewscover.html

STNews back issues:

www.cas.org/STNEWS/backissue.html

In This Issue

Feature

STN: Celebrating 20 years of innovative access
to high-quality sci-tech information 2

Database News

CA/CAPLUS, CHEMLIST/HCHEMLIST, FRANCEPAT 6
FSTA, MEDLINE/LMEDLINE, REGISTRY/ZREGISTRY 7
TOXCENTER, WPIFV 8

Ask REGgie

Using BATCH for broadly defined structure searches
that exceed online iteration limits 9

Search Tip

Searching for metallic materials information 12

STN Expressway

Using the CA Lexicon in the Analysis Edition 14

STN Easystreet

What's this? Display options in STN Easy 16

Patent Interchange

Using the Company Name Thesaurus Search Aid
in CA/CAPLUS for patent assignee searching 18

Take Note

Personal dictionary functionality available for the
Analysis Edition of STN Express with *Discover!* 21
STN wall chart available 21
SDI and SDI EDIT commands enhanced 21
Previously recorded CAS e-Seminars
available on the Web 21
STN News binders available 22
2004 CAS exhibits 22

STN Seminars

2004 STN instructor-led seminars 23
2004 CAS e-Seminars 23

Included with this issue

CAPLUS, FRANCEPAT, and PHAR Database Summary
Sheets, WPIFV Flyer, and STN Note No. 27 (revised), *Searching
Properties in the CAS Registry File.*

In case you missed it:

STNews Nov/Dec

- 2003 – Year in Review
- DISSABS – bibliographic database now available
- Creating searchable structures from displayed structures in STN Express with *Discover!*
- Announcing the Analysis Edition of STN Express with *Discover!*

STNews Jan/Feb

- Search, analyze, visualize, and discover with the Analysis Edition of STN Express with *Discover!*
- ABI-INFORM – worldwide business information database available
- Taking advantage of BIOSIS® indexing
- Searching the Source of Registration field in REGISTRY
- Analyzing variable groups with the Analysis Edition

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

In Japan

STN
c/o Japan Association for International
Chemical Information (JAICI)
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

STN
c/o Japan Science and Technology
Agency (JST)
5-3 Yonbancho, Chiyoda-ku
Tokyo 102-8666, Japan
Phone: 81 3-5214-8402
Fax: 81 3-5214-8420
E-mail: helpdesk@mr.jst.go.jp
Internet: pr.jst.go.jp/db/STN/index.html

In Europe

STN
c/o FIZ Karlsruhe
P.O. Box 2465
76012 Karlsruhe
Germany
Phone: 49 7247/808-555
Fax: 49 7247/808-259
E-mail: helpdesk@fiz-karlsruhe.de
Internet: www.stn-international.de

In North America

STN
c/o Chemical Abstracts Service
2540 Olentangy River Road
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



A division of the American
Chemical Society.