Have it your way:
Customizing STN® and STN Express®

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Agenda

• STN Express
  – Function Keys to type repeated commands
  – Three ways to find Discover! wizards
  – Personal Dictionary
  – The Command Window
  – Update a previously run search
  – Print a search summary

• The SET command
  – Improved convenience with search-related settings
  – Assistance with multifile searching
  – Saving time with displays
  – Working with online session settings
Function Keys in Preferences automate typing

- Keyboard shortcuts for frequently used text strings
- 18 shortcuts using
  - Shift F1 - F9
  - Ctrl+Alt F1 - F9
- Lowercase [cr] inserts a carriage return after each string

To use the function key, enter the keyboard shortcut to have STN Express execute the text string.
Discover! wizards

- Automate simple searches, housekeeping tasks, and advanced tools
- Search assistance for new users
- Convenience for experienced users

Discover! wizards are accessed from the Discover! button on the lower left side of the status bar.
Wizards are context sensitive

Wizard menus will also pop up when you click on hyperlinked information such as an L-number, a patent publication number, or a CAS Registry Number®. The wizards are context sensitive to what you have selected.
The Select Discover! Wizard window may also be accessed by clicking the wand icon from the Online and Results toolbar. This wizard displays the active search history, and offers multiple tools for building a search or working with results.
Personal Dictionary stores your typed search terms for quick recall

• Useful to recall terms searched often
• Spell a difficult term correctly once, then recall it from the dictionary instead of re-typing it
• The Personal Dictionary stores
  – Single words
  – Phrases
  – Terms with punctuation
• Stored locally on your computer
  – Can be edited, imported or exported
Words and phrases are automatically added to the Personal Dictionary

=> S ORCHIDACEAE

The first time you search on single word or phrase with spaces, it is added to your personal dictionary.

The next time you want to use the same word or phrase, begin typing the word and use **CTRL+F1** to open the dictionary.

**Double click** on the entry to put it on the command line.
Dictionary Preferences

The option to create and save a Personal Dictionary is found in Preferences under the ONLINE tab.

- The Personal Dictionary can be completely cleared
- Edit from the *Edit Personal Dictionary* found under Results menu
Options help keep the dictionary uncluttered

- Click on the Options button to customize settings

To keep the dictionary uncluttered, check the boxes to exclude saving patent numbers, CAS Registry Numbers, E-numbers and L-numbers.
The STN Express command window

• Access the Command Window via the button on the STN Online and Results toolbar

The Command Window acts as a “type ahead” buffer.
Command Window buttons

- Open file
- Save command window contents
- Clear command window

Lock/Unlock

Send a single line
Send multiple lines
Create scripts for searches that would take time to build online

1. Create a series of search statements in a word processing file.
2. You may include file entry and display commands, if desired.
3. Use caution if including references to L-numbers, as you might not be starting at L1!
4. Save as a .txt file.
Copy and Paste the search statements into the Command Window

=>

FILE REGISTRY ]
S Alanine/CN
S Arginine/CN
S Asparagine/CN
S Aspartic acid/CN
S Cysteine/CN

Position the cursor at the first line, then hit the multiple line send button.

Sit back and relax while the script runs automatically!

Very cost effective, as it minimizes connection time of typing 20+ commands.
Save a re-useable search strategy on your local computer

• The command window contains all of the STN commands issued during the search session
• Must be online to save the session history
• To save the contents of the Command Window as a script
  1. Open the Command Window
  2. Save the contents of the Command Window by clicking on the Save icon
  3. Edit the contents of the saved file on your computer

Note: alternatively the SAVE and ACTIVATE commands could be used to save and re-use queries, answers and strategies on STN.
Click on the **Save** icon to save the session commands as a text file.

The contents of the Command Window are saved to the STN Express\Uscripts folder in “script language” with a .sc extension.

Scripts are files that run automatically when you open them in STN Express.
Edit the script with any text editor

For example, remove any typographical errors, command lines, or other text you don’t want to save.
Reuse the script at a later time

There are two ways to use a simple script

1. Open the Command Window and click the Open File icon
   • The contents of the file will be placed in the Command Window, with the cursor placed at the first line

2. Choose **Query, Run Command File** from the STN Online and Results menu
   • The commands in the file will execute automatically
Add more sophistication to your scripts

- Simple scripts, as just shown, are a series of command statements that do not include any variables or callouts
- STN’s script language can build sophisticated scripts that can reference other L-numbers
- The STN Express User Guide has an entire chapter devoted to scripts

Add L-number variables to a script to run it any time

Each line ends with \&_lnumN

A Search statement can refer back to these variables. 
  e.g. => S _lnumN or _lnumM

The appropriate L-number will be assigned in the session.

These scripts MUST be run from the Query Menu (a warning will come up if you try to run this from the Command Window).
Run Command File from the Query menu

Using L-number variables uses the next L-numbers available in the session - never any problem with referencing the wrong L-number!

=> S _lnum1 or _lnum2
became

=> S L9 or L10
Update a previously run search from an old transcript (.trn) file

Open the transcript of the search you wish to re-run in STN Express.

Note the date the search was originally run.
Use Transcript Filters to extract commands from the previously saved transcript

- Transcript filters are simple post-processing tools in STN Express
- Transcript filters can extract
  - Commands only (stn-cmd)
    - Great for writing scripts
  - Commands and output (stn-cmdh shows intermediate postings and number of answers)
    - Very useful if you forgot to do a \( \text{=>D HIS} \) command
  - Answers only (stn-ans)
Choose **Transcript Filters** from the File menu

When you select **Transcript Filters**, you will be creating a new transcript file. Save it under a different name.
Choose the filter to apply

1. Select the filter from the **Load Filter** pull down menu.
2. Click **OK**.
3. A verification window appears.
Verify the command file created from the transcript filter

Look familiar? It’s a simple script.

Any text editor can be used to verify the command file.

STN Express also has a text editor, called stnedit (File…Edit Text File).

Save this file as a .sc file in the Uscripts folder.
Use the extracted commands as a simple script file in the Command Window

1. Open the Command Window.
2. Click the **File…** **Open** icon. STN Express defaults to look for .sc files in the *Uscripts* folder.
3. Select the script file you created.
4. Add an update date range to the search, e.g.:
   
   ```plaintext
   => S L5 AND ED>MARCH 1, 2006
   ```
5. Send single line or multiple line commands to re-run the script.
Print or Save a search summary

To print a portion of a transcript, highlight the desired portion of the text. Choose File…Print Selected.

To save a search summary, choose File…Print Selected and “Print to” Adobe PDF. This saves the search summary as an Adobe PDF file.
Save time, control costs, and improve efficiency using the SET command

- SET allows you to customize your STN login ID
- Settings are stored with your login ID on STN
- >50 options are available with the SET command
  - STN Express Discover! Wizards are available for most of these SET command options
The command format for SET includes the parameter and the instructions for it

• The command itself is entered at the arrow prompt
  – Commands are not case sensitive

• The parameter you want to modify and specific instructions follow the command
  – Example:

=> SET ABBREVIATION ON PERM <Enter>
DISPLAY SET shows you the parameters associated with your login ID

=> **DISPLAY SET**

**ENTER (ALL), CHANGED, OR A SET OPTION: ALL**

<table>
<thead>
<tr>
<th>SET PARAMETER</th>
<th>CURRENT</th>
<th>PERMANENT</th>
<th>LOGIN</th>
<th>DEFAULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCOUNT</td>
<td>CURRENT</td>
<td>'NONE'</td>
<td>'NONE'</td>
<td>'NONE'</td>
</tr>
<tr>
<td>ABBREVIATION</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'OFF'</td>
</tr>
<tr>
<td>AUDIT</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
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<tr>
<td>AUTOCMD</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
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<td>COST</td>
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<tr>
<td>DETAIL</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
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<tr>
<td>DCLUSTER</td>
<td>'NONE'</td>
<td>'NONE'</td>
<td>'NONE'</td>
<td>'NONE'</td>
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<td>AUHELP</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'ON'</td>
</tr>
<tr>
<td>AUTOSEARCH</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
<td>'OFF'</td>
</tr>
<tr>
<td>BANNER</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'ON'</td>
<td>'ON'</td>
</tr>
</tbody>
</table>

**CURRENT:** Present settings

**PERMANENT:** Future settings

**LOGIN:** Settings at login

**DEFAULT:** Settings for new IDs
Retain settings beyond the current session by adding PERM to the command

• Exceptions
  – Some values are automatically retained after LOGOFF
    • PASSWORD
    • MAILID
    • NAMELIST
    • FORMAT
  – PERM is not valid with options that may not be retained beyond the current session, e.g. RANGE
SET commands have impact on various parts of your online session

- Search options
  - Multifile searching parameters
- Display options
- General online session parameters

We will look at some of the more popular and useful SET commands in each of these areas.
Several SET commands make sense (and cents) to implement

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>INSTRUCTIONS</th>
<th>SHORTCUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLURALS</td>
<td>on permanently</td>
<td>=&gt; SET PLU on perm</td>
</tr>
<tr>
<td>ABBREVIATIONS</td>
<td>on permanently</td>
<td>=&gt; SET ABB on perm</td>
</tr>
<tr>
<td>SPELLINGS</td>
<td>on permanently</td>
<td>=&gt; SET SPE on perm</td>
</tr>
<tr>
<td>EXPAND</td>
<td>continuous permanently</td>
<td>=&gt; SET EXPAND cont perm</td>
</tr>
<tr>
<td>NOTICE</td>
<td>search permanently</td>
<td>=&gt; SET NOTICE SEARCH perm 600</td>
</tr>
<tr>
<td>NOTICE</td>
<td>display permanently</td>
<td>=&gt; SET NOTICE DISPLAY perm 600</td>
</tr>
</tbody>
</table>
SET PLURALS ON enhances retrieval

=> S (WOMAN OR FEMALE) AND PREGNANCY
    15688 WOMAN
    179039 FEMALE
    110234 PREGNANCY
L1       14905 (WOMAN OR FEMALE) AND PREGNANCY

=> SET PLURALS ON
SET COMMAND COMPLETED

=> S (WOMAN OR FEMALE) AND PREGNANCY
    15688 WOMAN
    16 WOMANS
    127940 WOMEN
    16 WOMENS
    135668 WOMAN
    (WOMAN OR WOMANS OR WOMEN OR WOMENS)
    179039 FEMALE
    77663 FEMALES
    224083 FEMALE
    (FEMALE OR FEMALES)
    110234 PREGNANCY
    10546 PREGNANCIES
    112624 PREGNANCY
    (PREGNANCY OR PREGNANCIES)
L2       42267 (WOMAN OR FEMALE) AND PREGNANCY

With SET PLU ON, 27,362 additional answers were retrieved automatically. Even irregular plural forms, such as women are searched.

Note: SET PLU is not applied to terms that contain truncation.
SET ABB ON enhances retrieval

=> S LIQUID (W) NITROGEN
   893758 LIQUID
   767789 NITROGEN
L1 3192 LIQUID (W) NITROGEN

=> SET ABBREVIATION ON
SET COMMAND COMPLETED

=> S LIQUID (W) NITROGEN
   893758 LIQUID
   1250443 LIQ
   1676225 LIQUID
   (LIQUID OR LIQ)
   767789 NITROGEN
L2 12615 LIQUID (W) NITROGEN

With SET ABB ON, 9,423 additional answers were retrieved automatically. A complete list of the abbreviations can be seen by typing HELP ABB at the command arrow while in CA/CAplus or DWPI (WPINDEX/WPIDS/WPIX).
SET ABB and SET PLU work together

=> SET ABB ON
SET COMMAND COMPLETED

=> S CONCENTRATION
388641 CONCENTRATION
136797 CONCN

L1 520214 CONCENTRATION
(CONCENTRATION OR CONCN)

=> SET PLU ON
SET COMMAND COMPLETED

=> S CONCENTRATION
388641 CONCENTRATION
41624 CONCENTRATIONS
411583 CONCENTRATION
(CONCENTRATION OR CONCENTRATIONS)

136797 CONCN
18495 CONCNS
148609 CONCN
(CONCN OR CONCNS)

L2 554086 CONCENTRATION
(CONCENTRATION OR CONCN)

The abbreviation for concentration is CONCN.

PLU and ABB combine to include the plural of the abbreviation CONCNS.
SET SPELLINGS ON enhances retrieval

=> S COLOR AND FILTER
   361203 COLOR
   756600 FILTER
L1 47423 COLOR AND FILTER

=> SET SPELLINGS ON
SET COMMAND COMPLETED

=> S COLOR AND FILTER
   361203 COLOR
   405044 COLOUR
   620629 COLOR
   (COLOR OR COLOUR)
   756600 FILTER
L2 66046 COLOR AND FILTER

With both color and colour automatically included in the search query, 22,000+ additional records were retrieved.
SET SPELLINGS ON can also retrieve unambiguous alternate terms

=> S WINDSHIELD
L1  2841 WINDSHIELD

=> S WINDSCREEN
L2  298 WINDSCREEN

=> S (WINDSHIELD OR WINDSCREEN)
L3  3082 (WINDSHIELD OR WINDSCREEN)

=> SET SPE ON PERM
SET COMMAND COMPLETED

=> S WINDSCREEN
L4  3082 WINDSCREEN
   (WINDSCREEN OR WINDSHIELD)
### SET ABB, PLU and SPE work together

<table>
<thead>
<tr>
<th>Setting</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td><code>59305 HEMOGLOBIN</code></td>
</tr>
<tr>
<td></td>
<td><code>79970 HEMOGLOBINS</code></td>
</tr>
<tr>
<td></td>
<td><code>118060 HEMOGLOBIN</code></td>
</tr>
<tr>
<td></td>
<td><code>(HEMOGLOBIN OR HEMOGLOBINS)</code></td>
</tr>
<tr>
<td></td>
<td><code>1352 HAEMOGLOBIN</code></td>
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<td></td>
<td><code>47 HAEMOGLOBINS</code></td>
</tr>
<tr>
<td></td>
<td><code>1393 HAEMOGLOBIN</code></td>
</tr>
<tr>
<td></td>
<td><code>(HAEMOGLOBIN OR HAEMOGLOBINS)</code></td>
</tr>
<tr>
<td></td>
<td><code>118557 HEMOGLOBIN</code></td>
</tr>
<tr>
<td></td>
<td><code>(HEMOGLOBIN OR HAEMOGLOBIN)</code></td>
</tr>
<tr>
<td></td>
<td><code>113948 HB</code></td>
</tr>
<tr>
<td></td>
<td><code>11703 HBS</code></td>
</tr>
<tr>
<td></td>
<td><code>118069 HB</code></td>
</tr>
<tr>
<td></td>
<td><code>(HB OR HBS)</code></td>
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<tr>
<td>L2</td>
<td><code>167547 HEMOGLOBIN</code></td>
</tr>
<tr>
<td></td>
<td><code>(HEMOGLOBIN OR HB)</code></td>
</tr>
</tbody>
</table>

The abbreviation for hemoglobin is Hb.

**Option:** All three settings may also be toggled ON or OFF via the command line if needed.
EXPAND renumber starts at E1 every time

<table>
<thead>
<tr>
<th>E</th>
<th>Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>E1</td>
<td>1</td>
<td>BLACKBERG/BI</td>
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<tr>
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<td>490</td>
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<tr>
<td>E3</td>
<td>1361</td>
<td>BLACKBERRY/BI</td>
</tr>
<tr>
<td>E4</td>
<td>1</td>
<td>BLACKBERRYLIKE/BI</td>
</tr>
<tr>
<td>E5</td>
<td>4</td>
<td>BLACKBERRYLILY/BI</td>
</tr>
<tr>
<td>E6</td>
<td>1</td>
<td>BLACKBIOL/BI</td>
</tr>
<tr>
<td>E7</td>
<td>199</td>
<td>BLACKBIRD/BI</td>
</tr>
<tr>
<td>E8</td>
<td>1</td>
<td>BLACKBIRD0/BI</td>
</tr>
<tr>
<td>E9</td>
<td>174</td>
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</tr>
<tr>
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<td>1</td>
<td>BLACKBLACK/BI</td>
</tr>
<tr>
<td>E11</td>
<td>3</td>
<td>BLACKBLUE/BI</td>
</tr>
<tr>
<td>E12</td>
<td>323</td>
<td>BLACKBOARD/BI</td>
</tr>
</tbody>
</table>

|=> E BLACKBERRY

<table>
<thead>
<tr>
<th>E</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>1</td>
<td>BLUEBERR/BI</td>
</tr>
<tr>
<td>E2</td>
<td>971</td>
<td>BLUEBERRIES/BI</td>
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<tr>
<td>E3</td>
<td>2731</td>
<td>BLUEBERRY/BI</td>
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<tr>
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<td>1</td>
<td>BLUEBGF/BI</td>
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<td>1</td>
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<tr>
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<tr>
<td>E9</td>
<td>2</td>
<td>BLUEBO/BI</td>
</tr>
<tr>
<td>E10</td>
<td>1</td>
<td>BLUEBOARD/BI</td>
</tr>
<tr>
<td>E11</td>
<td>35</td>
<td>BLUEBONNET/BI</td>
</tr>
<tr>
<td>E12</td>
<td>2</td>
<td>BLUEBONNETS/BI</td>
</tr>
</tbody>
</table>
EXPAND continuous numbers sequentially

**=> SET EXPAND CONTINOUS**

**SET COMMAND COMPLETED**

**=> E BLUEBERRY**

<table>
<thead>
<tr>
<th>E</th>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1</td>
<td>1</td>
<td>BLUEBERR/BI</td>
</tr>
<tr>
<td>E2</td>
<td>971</td>
<td>BLUEBERRIES/BI</td>
</tr>
<tr>
<td>E3</td>
<td>2731</td>
<td>--&gt; BLUEBERRY/BI</td>
</tr>
<tr>
<td>E4</td>
<td>1</td>
<td>BLUEBGF/BI</td>
</tr>
<tr>
<td>E5</td>
<td>1</td>
<td>BLUEBILL/BI</td>
</tr>
<tr>
<td>E6</td>
<td>29</td>
<td>BLUEBIRD/BI</td>
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<tr>
<td>E7</td>
<td>24</td>
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</tr>
<tr>
<td>E12</td>
<td>2</td>
<td>BLUEBONNETS/BI</td>
</tr>
</tbody>
</table>

**=> E BLACKBERRY**

<table>
<thead>
<tr>
<th>E</th>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E13</td>
<td>1</td>
<td>BLACKBERGI/BI</td>
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<td>E14</td>
<td>490</td>
<td>BLACKBERRIES/BI</td>
</tr>
<tr>
<td>E15</td>
<td>1361</td>
<td>--&gt; BLACKBERRY/BI</td>
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<tr>
<td>E16</td>
<td>1</td>
<td>BLACKBERRYLIKE/BI</td>
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<td>E17</td>
<td>4</td>
<td>BLACKBERRYLILY/BI</td>
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<td>E18</td>
<td>1</td>
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<tr>
<td>E19</td>
<td>199</td>
<td>BLACKBIRD/BI</td>
</tr>
<tr>
<td>E20</td>
<td>1</td>
<td>BLACKBIRD0/BI</td>
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<td>E21</td>
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<td>BLACKBLUE/BI</td>
</tr>
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<td>E24</td>
<td>323</td>
<td>BLACKBOARD/BI</td>
</tr>
</tbody>
</table>

**SET EXPAND RENUMBER** to change back to the default.
SET NOTICE helps manage costs

=> SET NOTICE
ENTER DISPLAY OR SEARCH (DISPLAY): SEARCH
ENTER AMOUNT IN U.S. DOLLARS, OR OFF (1000): 100
NOTICE SET TO 100 U.S. DOLLARS FOR SEARCH COMMAND
SET COMMAND COMPLETED

=> SET NOTICE
ENTER DISPLAY OR SEARCH (DISPLAY): DISPLAY
ENTER AMOUNT IN U.S. DOLLARS, OR OFF (1000): 100
NOTICE SET TO 100 U.S. DOLLARS FOR SEARCH COMMAND
SET COMMAND COMPLETED

The amount is specified in your normal billing currency.
SET NOTICE helps manage costs (cont.)

=> FILE REG
=>
Uploading Q:\my documents\STN Express 8.5\Queries\MARPAT\ML_Class_Test.str

L1 STRUCTURE_UPLOADED

=> S L1 SSS FUL
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 210.50 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END: Y
...
L2 14972 SEA SSS FUL L1

=> D L2 1-50 FIDE
THE ESTIMATED COST FOR THIS REQUEST IS 287.00 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N: N REQUEST CANCELED

SET NOTICE can help prevent costly errors.
SET NOTICE instructions can also be specified under the Preferences tab.
SET AUTOSEARCH saves time

=> S (CHOCOLATE OR COCOA) AND HEALTH
   9748 CHOCOLATE
   (CHOCOLATE OR CHOCOLATES)
   10507 COCOA
   (COCOA OR COCOAS)
   258989 HEALTH
   (HEALTH OR HEALTHS)
L1   908 (CHOCOLATE OR COCOA) AND HEALTH

=> SET AUTOSEARCH ON
SET COMMAND COMPLETED

=> (CHOCOLATE OR COCOA) AND HEALTH
   9748 CHOCOLATE
   (CHOCOLATE OR CHOCOLATES)
   10507 COCOA
   (COCOA OR COCOAS)
   258989 HEALTH
   (HEALTH OR HEALTHS)
L2   908 (CHOCOLATE OR COCOA) AND HEALTH

STN automatically searches terms that are entered at the command arrow without having to type S or SEARCH.
SET UNIT is convenient and easy

To change the unit system for all numeric fields in a database:

=> SET UNIT ALL=ENG

To change the unit system for a field in a database:

=> SET UNIT
ENTER FIELD CODES AND UNITS OR (END): BP=K

=> SET UNIT
ENTER FIELD CODES AND UNITS OR (END): BP=F DEN=LB/FT**3

To return to the default settings:

=> SET UNIT BP="
OR
=> SET UNIT ALL="

HELP SET UNIT provides a summary of all the unit options available.

The default units for numeric fields in a database are the units in which the database was loaded.
SET UNIT is convenient and easy (cont.)

=> FILE WPINDEX

=> SET UNIT PRES=BAR
SET COMMAND COMPLETED

=> S 1 - 2/PRES
L1       72204 1 BAR - 2 BAR /PRES

=> D KWIC
L1   ANSWER 1 OF 72204 WPINDEX

T1 is higher than T2 by 5-200 degrees C. The pressure of the interior of the PVT furnace system is 0.1-1500 torr. The method further comprises: doping the ZnO single crystal boule during the PVT growth with at least one positive, at 600-1400 degrees C in an oxygen-containing gas environment at an oxygen partial pressure of greater than or equal to 100 torr, and the ZnO wafer have a p-type conduction and a resistivity of less than 0.1 Omega-cm or the.

The base unit for pressure (/PRES) is Pascal (Pa).

Use SET UNIT to change the default search unit, e.g. from Pascal to Bar.
STN provides many SET options to assist with multifile searches

- **SET CLUSTER** – Create personalized clusters for multifile searching
- **SET MSTEPS** – Create a separate answer set for each database in the multifile search
- **SET DUPORDER** – Control the order of answers in a duplicate-removed answer set
- **SET AUDIT** – Track search terms that give zero hits when a TRANSFER answer set is searched

Use HELP SET [PARAMETER] for more details, e.g. HELP SET AUDIT
SET CLUSTER is convenient if you regularly search a specific set of databases

- Start personalized cluster names with a period (full-stop)
- Cluster names may contain 2-16 alphanumeric characters and dots

=> SET CLUSTER
ENTER CLUSTER NAME OR (?): .MEDFILES
ENTER LIST OF FILE NAMES OR (?): MEDLINE CAPLUS BIOSIS EMBASE
MORE FILES, (NONE) OR ?: NONE
CLUSTER '.MEDFILES' DEFINED AS 'MEDLINE, CAPLUS, BIOSIS, EMBASE'
SET COMMAND COMPLETED

• To see a definition of a cluster name, type DISPLAY CLUSTER [NAME] at an arrow prompt
• Type DISPLAY CLUSTER at an arrow prompt to see a list of all the clusters
SET CLUSTER COMMENT is a way to add descriptive comments

=> SET CLUSTER COMMENT
ENTER CLUSTER NAME OR (?): .MEDFILES
(MODIFY), OVERWRITE OR ?: MODIFY
ENTER COMMENT OR (NONE): MEDICAL DATABASES FREQUENTLY SEARCHED
MORE FILES, (NONE) OR ?: NONE
CLUSTER '.MEDFILES' DEFINED AS 'MEDLINE, CAPLUS, BIOSIS, EMBASE'
SET COMMAND COMPLETED

=> DIS CLUSTER
CLUSTER NAME     COMMENT
----------------- -------------------------------------------------------------
.MEDFILES         MEDICAL DATABASES FREQUENTLY SEARCHED
ADISBASES         Adis International Limited Database Cluster
AEROTECH          Aerospace and Related Technology Cluster
AGRICULTURE       Agriculture Cluster
...
Create a separate L-number for each database in a multifile search using SET MSTEPS (multiple steps) ON

```plaintext
=> FILE .MEDFILES

=> SET MSTEPS ON PERM
SET COMMAND COMPLETED

=> S ESCHERICHIA COLI (10A) (DETECT? OR ANALY?)
L1    7885 FILE MEDLINE
L2    16135 FILE CAPLUS
L3    9960 FILE BIOSIS
L4    6239 FILE EMBASE

TOTAL FOR ALL FILES
L5    40219 ESCHERICHIA COLI

=> DUP REM L5
L6    21136 DUP REM L5 (19083 DUPLICATES REMOVED)
```

**Note:** By default de-duplicated results are in reverse chronological order (L6).

SET MSTEPS ON PERM is a good option for searchers new to STN.
SET DUPORDER controls the order of the answers in a duplicate removed answer set

=> FILE CAPLUS WPINDEX INPAFAMDB

=> S NANOWIRE (5A) (SENSOR? OR DETECT?)
L1  1629 FILE CAPLUS
L2  364 FILE WPINDEX
L3  245 FILE INPAFAMDB

TOTAL FOR ALL FILES
L4  2238 NANOWIRE (5A) (SENSOR? OR DETECT?)

=> SET DUPORDER FILE
SET COMMAND COMPLETED

=> DUP REM L1 L3 L2
L5  1972 DUP REM L1 L3 L2 (266 DUPLICATES REMOVED)
    ANSWERS '1-1627' FROM FILE CAPLUS
    ANSWERS '1628-1763' FROM FILE INPAFAMDB
    ANSWERS '1764-1972' FROM FILE WPINDEX

By selecting the FILE option, STN is told from which answer sets to retain answers if duplicates occurred.

In this example (L5), CAplusSM records were first, followed by INPAFAMDB and WPINDEX.
SET AUDIT creates an answer set of search terms that have no hits after a TRANSFER

=> FILE DPCI

=> S US4003699/PN
L1 1 US4003699/PN

=> FILE HCAPLUS

=> SET AUDIT ON PERM
SET COMMAND COMPLETED

=> TRANSFER L1 1- PN.D PN.G /PN
L2 TRANSFER L1 1- PN.D PN.G : 448 TERMS
L3 496 L2/PN

L4 QUE TERMS FROM L2/PN WITH NO HITS: 2 TERMS

=> FILE WPINDEX

=> S L4
L5 2 L4
ALL TERMS IN L4 RETRIEVED.

=> D TI 1-2
L5 ANSWER 1 OF 2 WPIX COPYRIGHT 2013
TI Oxidising composition for hair treatment - contains oxidoreductase enzyme, substrate and amino-substituted silicone
Create a customized default display format with SET FORMAT and SET DFORMAT

• Create customized, default display formats in each database to simplify display, e.g. following a DUP REM or patent family sort (FSORT) command

=> SET FORMAT
ENTER FORMAT NAME OR (?): .MYDGENEALIGN
ENTER FORMAT DEFINITION OR (?): TRI OS ORGN SCORE ALIGN
SET COMMAND COMPLETED

=> FILE DGENE

=> SET DFORMAT .MYDGENEALIGN PERM
SET COMMAND COMPLETED

=> D FORMAT
USER-DEFINED FORMAT DEFINITION                              DEFAULT FORMAT FOR FILE
----------------------------------  ----------------------------------
.MYDGENEALIGN          TRI OS ORGN SCORE ALIGN              DGENE

Setting a default display format for a database allows the use of DISPLAY without specifying a format.
L2    RUN STATEMENT CREATED
L2    1356 RARGSDEDNAKYCSKETLILELGFA/SQP.-F F -M PAM30 -W 2 -E 20000

Answer set arranged by accession number; to sort by descending
similarity score, enter at an arrow prompt (=>) "sor score d".

=> SOR L2 SCORE D
PROCESSING COMPLETED FOR L2
L3    1356 SOR L2 SCORE D

=> D

L3    ANSWER 1 OF 1356  DGENE  COPYRIGHT 2013 THOMSON REUTERS on STN
AN    AAY90867  Protein       DGENE
TI    Two circular single-stranded DNAs associated with banana bunchy top
      virus and detection of the virus -
DESC  Banana bunchy top virus related protein sequence #1.
KW    Banana bunchy top virus; BBTV; detection.
SQL   286
OS    2000-316145 [27]
ORGN  Banana bunchy top virus.
SCORE 71      83% of query self score 85
BLASTALIGN
  Query  = 26 letters
  Length = 286
  Score  = 71.5 bits (161), Expect = 2e-18
  Identities = 21/24 (87%), Positives = 22/24 (91%)
Query: 2   ARGSDEDNAKYCSKETLILELGFP 25
          ARG DE+N KYCSKETLILELGFP
Sbjct: 78  ARGTDEENSKYCSKETLILELGFP 101

Example: Customized default display format

Setting a default display format for a database allows the use of DISPLAY
without specifying a format.
Keep track of costs to charge back to customers using SET ACCOUNT

=> SET ACCOUNT
ENTER COST CENTER (NONE): DEPT. 51
COST CENTER SETTING WILL TAKE EFFECT WITH THE NEXT SUCCESSFUL FILE COMMAND
SET COMMAND COMPLETED

=> FILE AEROSPACE
FILE 'AEROSPACE' ENTERED AT 13:46:07 ON 19 JUL 2013
CHARGED TO COST=DEPT. 51

=> S GEYSER AND SATURN
L1 19 GEYSER AND SATURN

=> D COST FULL

SUMMARY BY                      COST CENTER           HOURS ESTIMATED COST
                                    (NONE)            0.01           0.60
                                    DEPT. 51           0.05           5.50

YOUR TOTAL SESSION COSTS ARE     0.06           6.10

This cost data will also appear on your monthly STN invoice.
Control the amount of cost data displayed when logging off with SET LCOST

=> SET LCOST ON
SET COMMAND COMPLETED

=> LOG Y

(FILE 'HOME' ENTERED AT 10:22:12 ON 28 JUN 2013)
SET LCOST ON

FILE 'GEOREF' ENTERED AT 10:22:20 ON 28 JUN 2013
L1  1338 SEA FILE=GEOREF SPE=ON ABB=ON PLU=ON EMERALD
D 100-105

COST IN U.S. DOLLARS SINCE ENTRY TOTAL SESSION
FULL ESTIMATED COST 7.96 8.18
Control the amount of cost data displayed when logging off with SET LCOST (cont.)

=> SET LCOST BRIEF
SET COMMAND COMPLETED

=> LOG Y

(FILE 'HOME' ENTERED AT 10:22:12 ON 28 JUN 2013)

SET LCOST BRIEF

(FILE 'GEOREF' ENTERED AT 10:22:20 ON 28 JUN 2013)

L1 1338 SEA FILE=GEOREF SPE=ON ABB=ON PLU=ON EMERALD D 100-105

<table>
<thead>
<tr>
<th>FILE &amp; COST CENTER</th>
<th>QUANTITY</th>
<th>RATE</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOLLARS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOREF FILE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECT HOURS</td>
<td>0.01</td>
<td>81.00</td>
<td>0.81</td>
</tr>
<tr>
<td>INTERNET HOURS</td>
<td>0.01</td>
<td>7.00</td>
<td>0.07</td>
</tr>
<tr>
<td>DISPLAYS IN FORMAT BIB</td>
<td>6</td>
<td>1.18</td>
<td>7.08</td>
</tr>
</tbody>
</table>
Control the amount of cost data displayed when logging off with SET LCOST (cont.)

=> SET LCOST FULL
SET COMMAND COMPLETED

=> LOG Y

<table>
<thead>
<tr>
<th>FILE &amp; COST CENTER</th>
<th>QUANTITY</th>
<th>RATE</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOME FILE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECT HOURS</td>
<td>0.01</td>
<td>15.00</td>
<td>0.15</td>
</tr>
<tr>
<td>INTERNET HOURS</td>
<td>0.01</td>
<td>7.00</td>
<td>0.07</td>
</tr>
<tr>
<td>GEOREF FILE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECT HOURS</td>
<td>0.01</td>
<td>81.00</td>
<td>0.81</td>
</tr>
<tr>
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<td>0.01</td>
<td>7.00</td>
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<td>DISPLAYS IN FORMAT BIB</td>
<td>6</td>
<td>1.18</td>
<td>7.08</td>
</tr>
</tbody>
</table>

SUMMARY BY FILE AND COST CENTER

<table>
<thead>
<tr>
<th>HOME FILE</th>
<th>HOURS</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.01</td>
<td>0.22</td>
</tr>
<tr>
<td>GEOREF FILE</td>
<td>(NONE)</td>
<td>0.01</td>
</tr>
</tbody>
</table>

COSTS INCLUDE TELECOMMUNICATION FEES

<table>
<thead>
<tr>
<th>COST CENTER</th>
<th>HOURS</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>(NONE)</td>
<td>0.02</td>
<td>8.18</td>
</tr>
</tbody>
</table>

YOUR TOTAL SESSION COSTS ARE

<table>
<thead>
<tr>
<th></th>
<th>HOURS</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.02</td>
<td>8.18</td>
</tr>
</tbody>
</table>
SET LHISTORY provides a summary of your search session when you LOGOFF

=> LOG Y

(FILE 'HOME' ENTERED AT 13:11:43 ON 28 JUN 2013)

FILE 'REGISTRY' ENTERED AT 13:12:03 ON 28 JUN 2013
E RESVERATROL/CN

L1 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON RESVERATROL/CN
   SELECT CHEM L1 1-
   D SEL E13-E24

L2 108 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (("(E)-RESVERATROL"/BI OR "(E)-2-(3,5-DIHYDROXYPHENYL)-1-(4-
   HYDROXYPHENYL)ETHENE"/BI OR "(E)-3,4',5-TRIHYDROXYSTILBENE"/BI OR "(E)-5-
   (P-HYDROXYSTYRYL)RESORCINOL"/BI) OR (RESVERATROL/BI OR TRANS-RESVERATROL/BI
   OR "3,4,5-STILBENETRIOL"/BI OR "3,4',5-TRIHYDROXY-TRANS-STILBENE"/BI OR
   31100-06-8/BI OR "5-(1E)-2-(4-HYDROXYPHENYL)ETHENYL)-1,3-BENZENEDIOL"/BI OR
   501-36-0/BI))

FILE 'USPATFULL, EMBASE, MEDLINE' ENTERED AT 13:13:31 ON 28 JUN 2013
L3 538 SEA FILE=USPATFULL SPE=ON ABB=ON PLU=ON L2
L4 3699 SEA FILE=EMBASE SPE=ON ABB=ON PLU=ON L2
L5 2089 SEA FILE=MEDLINE SPE=ON L2

TOTAL FOR ALL FILES
L6 6326 SEA FILE=MFE SPE=ON
   D L6 10 FROM EACH

The summary includes time and date stamps. The search history is equivalent to a DISPLAY HISTORY FULL.
You can use the STN Express Discover Wizards to SET most parameters
The SET commands are divided into 5 tabs.
Settings can be for only the current session or permanent
For more information on SET options

- Use **HELP SET** to show all available SET options with brief descriptions
- Use **HELP SET [PARAMETER]** at the system prompt for more information:
  
  => HELP SET AUDIT
  
  => HELP SET LCOST
Summary

• STN Express
  – Function Keys to type repeated commands
  – Three ways to find Discover! wizards
  – Personal Dictionary
  – The Command Window
  – Update a previously run search
  – Print a search summary

• The SET command
  – Improved convenience with search-related settings
  – Assistance with multifile searching
  – Saving time with displays
  – Working with online session settings
For more information …

CAS
E-mail: help@cas.org
Support and Training:
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helpdesk@fiz-karlsruhe.de
Support and Training:
www.stn-international.de