

STN Coffee Lecture 

Optimizing STN Settings for Custom Results Displays

Sarah W. Stokes

© 2021 American Chemical Society. All rights reserved.



 **FIZ Karlsruhe**
Leibniz Institute for Information Infrastructure

CAS 
A division of the
American Chemical Society

Agenda

1. Settings in STNext
2. Display-specific SET commands
3. Custom formats and displays

Agenda

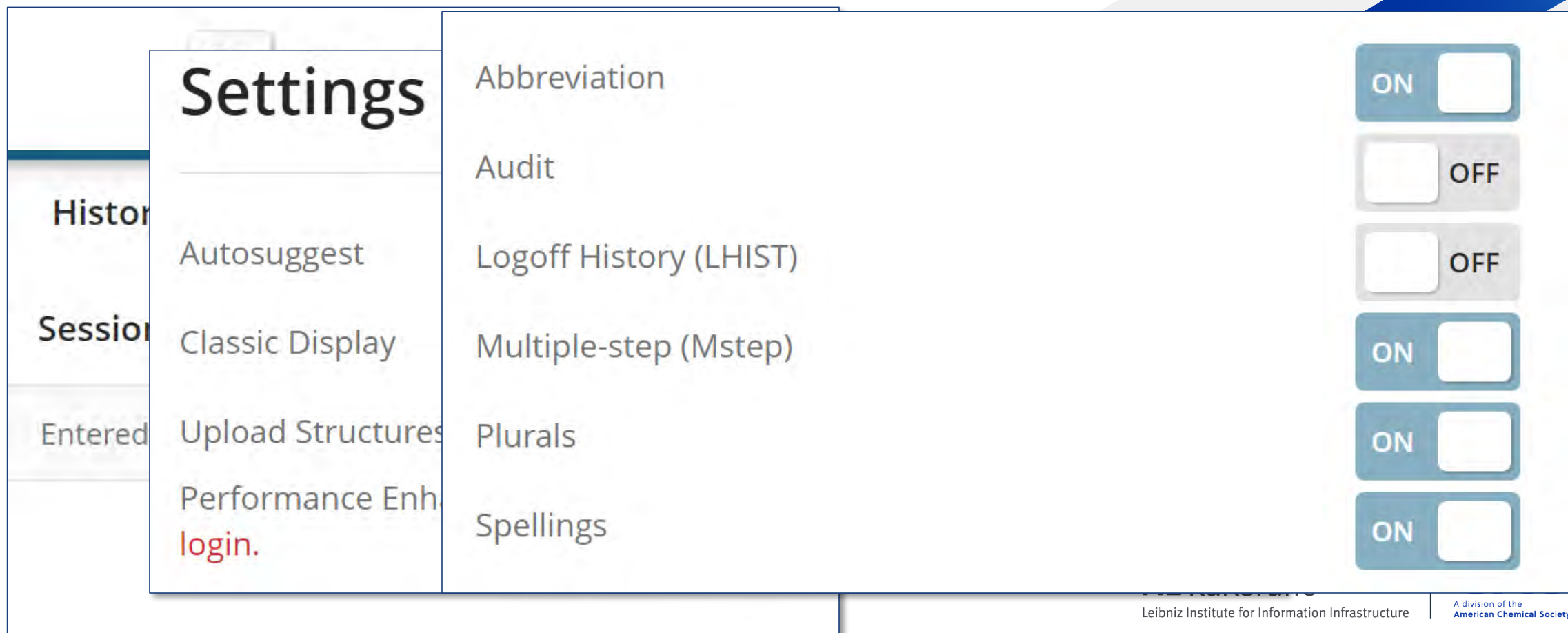
1. Settings in STNext
2. Display-specific SET commands
3. Custom formats and displays

SET commands impact various parts of your online session

1. Search options
2. Multifile-specific searching parameters
3. Display options
4. General online session parameters

This session deals with SET commands that primarily affect DISPLAY options. For other types of SET commands, see “Additional Resources.”

In STNext, use SET commands from the command line OR in “Settings” under your ID



The screenshot displays the 'Settings' menu in STNext. The menu is open, showing a list of settings on the left and a corresponding list of toggle switches on the right. The settings listed are:

- Abbreviation
- Audit
- Logoff History (LHIST)
- Multiple-step (Mstep)
- Plurals
- Spellings

The toggle switches are currently in the 'ON' position. The word 'login.' is visible in red text at the bottom left of the settings menu.

Setting	Toggle State
Abbreviation	ON
Audit	OFF
Logoff History (LHIST)	OFF
Multiple-step (Mstep)	ON
Plurals	ON
Spellings	ON



Agenda

1. Settings in STNext
2. Display-specific SET commands
3. Custom formats and displays

SET DETAIL

Specifies the level of detail to be presented in EXPAND, SEARCH, INDEX, and DISPLAY

SET DETAIL options are ON/OFF.
OFF is the default for SET DETAIL.

```
=> FILE BIOSIS MEDLINE
=> SET DETAIL ON
=> SEARCH
    SET COMMAND COMPLETE
=> EXPAND ANTIARRYTHMIC 5
    E#      FILE          FREQUENCY  TERM
    --      ----          - - - - -  - - - -
    E1      BIOSIS         2          ANTIARRYHYTHMIC/BI
    E2      BIOSIS         1          ANTIARRYTHMIAS/BI
    E3      BIOSIS         95 -->    ANTIARRYTHMIC/BI
           BIOSIS         52          ANTIARRYTHMIC/BI
           MEDLINE        43          ANTIARRYTHMIC/BI
    E4      MEDLINE        1          ANTIARRYTHMICA/BI
    E5      BIOSIS         7          ANTIARRYTHMICS/BI
           MEDLINE        2          ANTIARRYTHMICS/BI
           MEDLINE        5          ANTIARRYTHMICS/BI
```

With DETAIL set to OFF, EXPAND and DISPLAY EXPAND will show a list of E-numbers with the combined postings for all files in which the term occurs.

With DETAIL set to ON, EXPAND and DISPLAY EXPAND will show a new column identifying the file(s) and postings for each term in each file.

SET DETAIL

Specifies the level of detail to be presented in EXPAND, SEARCH, INDEX, and DISPLAY

```
=> => SET DETAIL ON
SET COMMAND COMPLETE
=> S (FISH OR FISHES)/TI
FILE 'CAPLUS'
      19918 FISH/TI
      2178 FISHES/TI
L1      22035 (FISH OR FISHES)/TI
FILE 'SCISEARCH'
      25404 FISH/TI
      5676 FISHES/TI
L2      30953 (FISH OR FISHES)/TI

TOTAL FOR ALL FILES
L3      52988 (FISH OR FISHES)/TI
```

SET DETAIL options are ON/OFF.
OFF is the default for SET DETAIL.

With DETAIL set to OFF, SEARCH in a multfile environment will show a compact summary consisting of an L-number answer set for each file, and the L-number for the total answer set.

With DETAIL set to ON, SEARCH in a multfile environment will show the postings for each term in each file. (SET MSTEPS is ON in this example.)

SET KWIC

Specify number of words displayed on each side of a hit term in KWIC display format

- KWIC shows hit terms with a certain number of terms on either side of the hit term
- By default, the number of surrounding terms is set to 20 on either side
- With SET KWIC, the default number of terms can be set to any number between 0 and 50.

These results were obtained by a combination of chemical name searching and Numeric Property Searching in DWPI.

```
=> D 15 KWIC=10
```

```
L1 ANSWER 15 OF 20 WPINDEX COPYRIGHT 2021 CLARIVATE ANALYTICS on STN  
ALE . . . = 80 deg K), Bi2CuSr2Cu208-d (Tc = 85 deg K), YBa2Cu307-d (Tc =  
92 deg K), etc., these being of the perovskite type. The . . .
```

```
Member(0001)
```

```
ABEQ EP 362898 . . . = 80 deg K), Bi2CuSr2Cu208-d (Tc = 85 deg K),  
YBa2Cu307-d (Tc = 92 deg K), etc., these being of the perovskite type.  
The . . .
```

FIZ Karlsruhe

Leibniz Institute for Information Infrastructure



SET PATENT

Allows you to indicate the format (STN or Derwent) for displaying, selecting, and sorting the patent, application, and priority numbers in records

```
=> D PI AI PRN
L6 ANSWER 1 OF 1 WPIDS COPYRIGHT 1996 DERWENT LTD
PI WO 8900451 A 890126 (8907)* JA 27 pp
W: DE JP US
JP => D PI AI PRN
JP L6 ANSWER 1 OF 1 WPIDS COPYRIGHT 1996 DERWENT LTD
AI WO PI W08900451 A 890126 (8907)* JA 27 pp
PRAI JP W: DE JP US
JP01000451 A 890126 (9126)
JP91036873 B 910603 (9126)
AI 88WO-JP00699 880714; 88JP-0506022 880714
PRAI 87JP-0176821 870715.
```

SET PATENT options are STN and DERWENT. STN is the default for SET PATENT

A patent record with SET PATENT STN

A patent record with SET PATENT DERWENT

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 ABB=ON PLU=ON L2

TOTAL FOR ALL FILES

L6 6326 SEA FILE=MFE SPE=ON ABB=ON PLU=ON L2
D L6 10 FROM EACH

The summary includes time and date stamps.
The search history is equivalent to a **DISPLAY HISTORY FULL**.

Agenda

1. Settings in STNext
2. Display-specific SET commands
3. Custom formats and displays

Create custom formats and virtual records

- Save a custom display format containing the display fields of interest for that database with `SET FORMAT`
- Set the default display format for each database to the new custom format with `SET DFORMAT`
- You must be in the database of interest to set the default display format
- Display records using the new default formats

Create a custom format and change default format

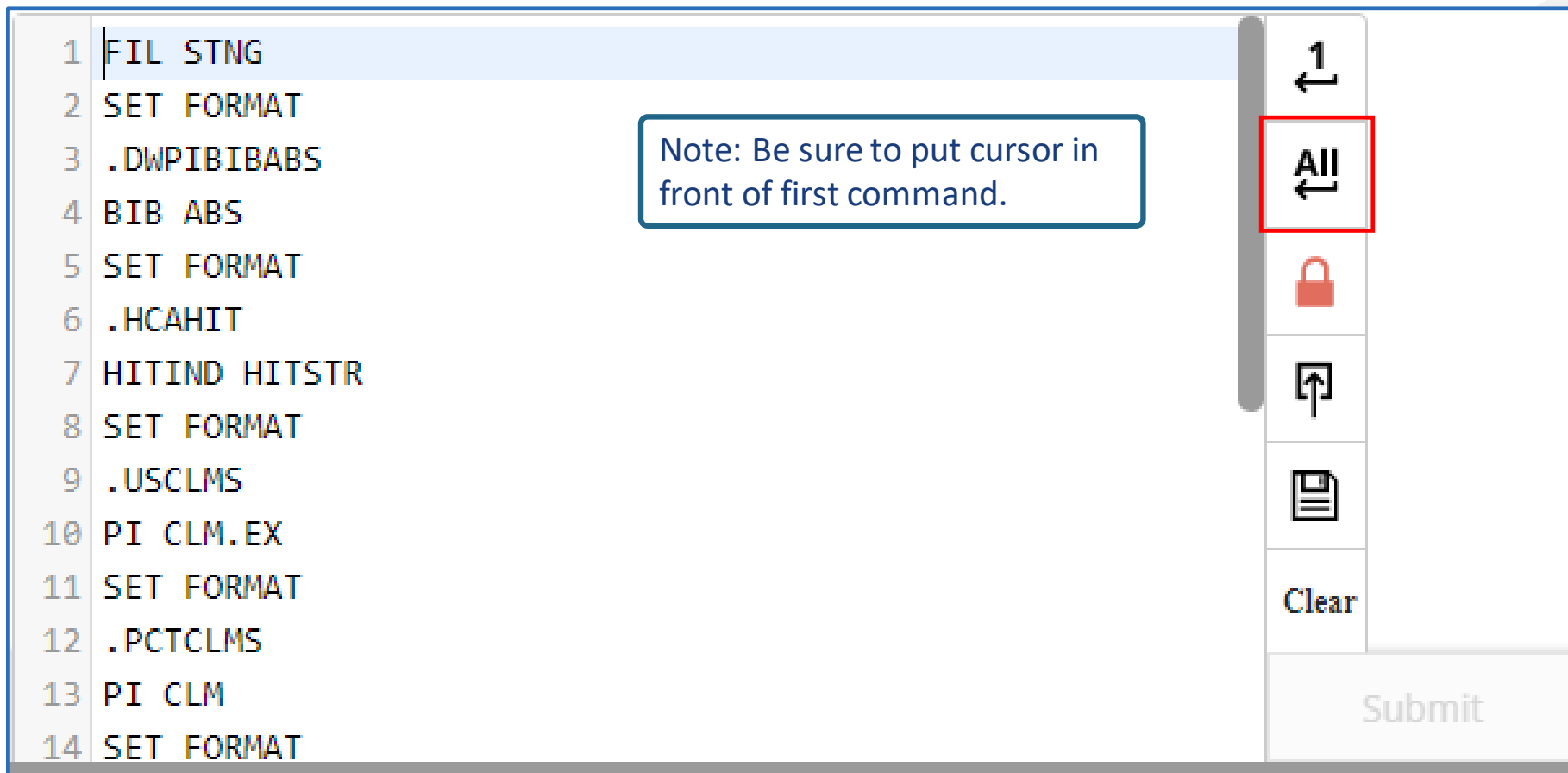
Use this command	To:
=> D FORMAT	Display a list of user-defined formats for your login ID
=> D SET DFORMAT	Identify the current default display format for the database

```
=> D FORMAT
```

```
USER-DEFINED FORMAT DEFINITION          DEFAULT FORMAT FOR FILE
```

```
-----  
.BIBED          BIB ED  
.CAHITSTR       IBIB ABS HITSTR  
.CLMLS          PI LS CLM  
.DWPIBIBABS     BIB ABS  
.HCAHIT         HITIND HITSTR  
.INPALEGAL      PI LS
```

Use the Command Window to execute multiple commands



The screenshot shows a command window with a list of 14 commands. The first command, 'FIL STNG', is highlighted. A red box highlights the 'All' button in the control panel on the right. A note box points to the cursor position at the start of the first command.

```
1 | FIL STNG
2 | SET FORMAT
3 | .DWPIBIBABS
4 | BIB ABS
5 | SET FORMAT
6 | .HCAHIT
7 | HITIND HITSTR
8 | SET FORMAT
9 | .USCLMS
10 | PI CLM.EX
11 | SET FORMAT
12 | .PCTCLMS
13 | PI CLM
14 | SET FORMAT
```

Note: Be sure to put cursor in front of first command.

Control Panel:
1 (Up arrow)
All (Up arrow)
Lock (Red padlock)
Up arrow
Document icon
Clear
Submit

Extract information from multiple databases efficiently

L19	IT	1403-66-3, Gentamicin	775304-57-9, Ataluren	873054-44-5,	
AN	L19	ANSWER 16	L19	ANSWER 17 OF 483	INPADOCDB COPYRIGHT 2018 EPO/FIZ KA on STN FAMILY
TI	PI	WO 201711	DUPLICATE 6		
	--	CLMEN	PI	US 20170204110	A1 20170720
DC	IT	CLM	LEGAL STATUS		
IN		6. A compositi	AN	90707158 INPADOCDB Full-text	
PA		r is selected	20151230	USP	PRI Provisional application
CYC		deuterium, hal			US 2015-62272856 P 20151230
PIA		-C(0)Ri2, -C(0		20170727
	RN	alkyl, alkenyl	20161228	USA	PRI Patent application
ADT	CN	substituted al			US 2016-15392727 A 20161228
		heterocyclyl,		20170727
PRAI		groups togethe	20161228	USA	APP Patent application
		or 7 membered,			US 2016-1539272
AN		group; each R1		
AB		deuterium, hal	20170427	USAS	ASSIGNMENT
		alkynyl, subst			FLATLEY DISCOVE
		substituted ar			ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:ZAWISTOSKI,
		substituted he			MICHAEL P.;DESHPANDE, ASMITA;COLE, BRIDGET
		one R12 and on			M.;REEL/FRAME:042163/0702
		attached forms			20170406
		carbocyclic, h			CHG Change of Owner, Inventor, Applicant
		substituted heter		20170803
		deuterium, alkyl,	20170720	USA1	PUB FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
					US 20170204110 A1 20170720

Legal status information from INPADOCDB

Additional Resources

- SET commands e-seminar: <https://www.stn-international.com/en/training-center/recorded-e-seminars/stn-coffee-lecture-customize-your-stnext-experience-set>
- Basic STN commands Quick Reference Card: https://www.stn-international.com/sites/default/files/stn_training_center_document/Quick%20Reference%20Cards/Basic%20STN%20Commands.pdf

Questions? Feedback?



Email: sarah.stokes@fiz-k.com

CAS help@cas.org
www.cas.org

FIZ Karlsruhe helpdesk@fiz-karlsruhe.de
www.stn-international.de

18