

## Chemistry Librarian

**Beth Thomsett-Scott**

940-369-6437

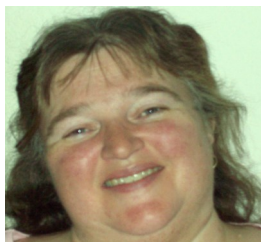
Discovery Park Library B110

beth.thomsett-scott@unt.edu

Meebo IM: beththomsettscott

**Other subjects covered by Beth:** Math, Chemistry,  
Environmental Sciences

Beth has Bachelor 's and  
Master 's degrees of Science  
in Agriculture, and a Master' s  
in Library and Information  
Science



## Helpful Links @ the UNT Libraries

Citation Help: <http://www.library.unt.edu/ris/quick-reference/writing-style-manuals>

Library Maps: <http://www.library.unt.edu/about/locations-and-maps>

Interlibrary Loan:  
<http://www.library.unt.edu/ill>

Library Workshops: <http://www.library.unt.edu/library-instruction/library-workshops>

## Additional Resources

\***AccessScience** - encyclopedia—available  
from the UNT Electronic Resources

\***Chemical Tutorials** - free online tutorials  
<http://science.csustan.edu/tutorial/>

\***Web Elements** - online periodic table  
<http://www.webelements.com>

\***ACS style guide** - located in Sci/Tech li-  
brary, call number QD8.5.A25 2006.

\***Online hints for ACS style** <http://www.library.unt.edu/research-tools/guides/chemistry/reference-sources/writing-guides-and-style-citation-manual>

Ask Us  
@

UNT Libraries

<http://www.library.unt.edu/ris/ask-us>

24/7, e-mail, appointment request  
form, and more!

## Chemistry:

### A Brief Guide

The full length chemistry guide  
can be found at:

[http://www.library.unt.edu/  
research-tools/guides/chemistry](http://www.library.unt.edu/research-tools/guides/chemistry)

Periodic Table of the Elements

1																	18	
H 1.01																	He 4.00	
3	2											13	14	15	16	17	10	
Li 6.94	Be 9.01											B 10.81	C 12.01	N 14.01	O 16.00	F 19.00	Ne 20.18	
11	12											13	14	15	16	17	18	
Na 22.99	Mg 24.31											Al 26.98	Si 28.09	P 30.97	S 32.07	Cl 35.45	Ar 39.95	
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
K 39.10	Ca 40.08	Sc 44.96	Ti 47.88	V 50.94	Cr 52.00	Mn 54.94	Fe 55.85	Co 58.93	Ni 58.69	Cu 63.55	Zn 65.39	Ga 69.72	Ge 72.61	As 74.92	Se 78.96	Br 79.90	Kr 83.80	
37	38	39	40	41	42						47	48	49	50	51	52	53	54
Rb 85.47	Sr 87.62	Y 88.91	Zr 91.22	Nb 92.91	Mo 95.94	Tc 97.91	Ru 101.07	Rh 101.07	Pd 106.42	Ag 107.87	Cd 112.41	In 114.82	Sn 118.71	Sb 121.76	Te 127.60	I 126.91	Xe 131.29	
55	56	57	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	
Cs 132.91	Ba 137.33	La 138.91	Hf 178.49	Ta 180.95	W 183.85	Re 186.21	Os 190.23	Ir 192.22	Pt 195.08	Au 196.97	Hg 200.59	Tl 204.38	Pb 207.2	Bi 208.98	Po 209	At 209	Rn 222	
87	88	89						101	102									
Fr 223	Ra 226	Ac 227	Rf 261	Ha 262	Sg 266													
58	59	60				62	63	64	65	66	67	68	69	70	71			
Ce 140.12	Pr 140.91	Nd 144.24	Pm 144.91	Sm 150.36	Eu 151.97	Gd 157.25	Tb 158.93	Dy 162.50	Ho 164.93	Er 167.26	Tm 168.93	Yb 173.04	Lu 174.97					
90	91	92				94	95	96	97	98	99	100	101	102				
Th 232.04	Pa 231.04	U 238.03	Np 237.05	Pu 244.06	Am 243.06	Cm 247.07	Bk 247.07	Cf 251.08	Es 252.08	Fm 257.10	Md 258.10	No 259.10	Lr 260.11					

## Finding Journal Articles

### Searching for Articles on a Topic

- Use a **journal article database**. Select the **Find Journal Articles** link from the Libraries home page.
- Use the **Browse Indexes and Abstracts** (journal article databases) **by Subject**, use the **“Federated Search Engine”** to search a number of databases at one time, or, if you know the name of the database, select the relevant letter from the alphabetical list at the top and scroll to the database

#### • Suggested Databases:

1. SciFinder Scholar
2. Web of Science
3. ScienceDirect
4. American Chemical Society Journals

- Search tips: use truncation (\*) to find alternate endings of words, such as butterfly\* to find butterfly or butterflies; use synonyms or words that mean the same or are similar to your term; try removing some terms

#### • Suggested Keywords:

1. chemistry
2. organic chemistry
3. thermodynamic compound
4. molecular mass of [insert compound]

- Most databases have links to the full article online but not all articles are linked through the database or available online (see “Finding Specific Articles”)

## Finding Specific Articles

- Use the **Find Books** link on the Libraries home page
- Click on the **Journal Title** tab and enter the **title/name of the journal** (not the article title)
- Look for the volume and issue of the journal you need. Check all electronic options as the dates covered may be incorrect. Journal article may be in electronic form or you may need to use our print collection. If in print, **check the location** of the journal: it could be in the Willis, Science and Technology, or Discovery Park libraries, or in Remote Storage
- If the Libraries does not have the article, consider using Interlibrary Loan

### Accessing Articles and Books

- If item is in “Remote Storage” use the Materials Delivery Request Form – click on the “remote storage” link in the UNT Library Catalog or **Library Material Delivery Service** from the lower right sidebar of the catalog <http://iii.library.unt.edu>
- If the UNT Libraries do not own the item, use Interlibrary Loan <http://www.library.unt.edu/ill>
- If you need help, **AskUs** <http://www.library.unt.edu/ris/ask-us>

## Finding Books

- Use the **Find Books** link under the **UNT Library Catalog** heading on the Libraries home page [www.library.unt.edu](http://www.library.unt.edu)
- Use **keyword** if searching on a topic or **title** if you know the name of the book

#### • Suggested Keywords:

1. Biochemistry
2. evaporation
3. acids
4. spectrum analysis

- Keyword searching tips: use only **a few** specific words joined by **“and”**. For example, if searching for analysis on biodiesel use analysis and biodiesel and composition. If you don’t get any results, remove one of the terms or use alternate terms.

- Can also search by **Subject Heading**. Select the Subject tab and type in your subject (these need to be very specific and use the correct words)

#### • Suggested Subjects include:

1. forensic chemistry
2. organic chemistry
3. inorganic chemistry
4. environmental chemistry

- Author searching: use **last name first**, e.g. Cundari, Tom

- Note the **Call Number**, **Location** (which library and floor) and **Status** (is the item available?) of the book