

Library Communications: Old and New

Caltech's chemistry library staff have been formally communicating with faculty and graduate students for over 35 years. Two major products were instituted in 1965: a monthly New Books (NB) list and a bi-monthly Recently Published Books (RPB) list. The NB list offered the option of requesting check-out and delivery of recently acquired materials and the RPB list provided a formal mechanism for library purchase requests (which are supplemented by informal requests).

With the advent of electronic mail and the World Wide Web, communication opportunities with faculty and students have greatly increased. In addition to e-mailing a monthly New Book list to faculty members (derived from Caltech's OPAC), which also includes information on the subject content of special journal issues, library staff have also published a monthly newsletter since late 1998. The Caltech Chemistry Library Newsletter announces new electronic products, offers tips on searching various databases and includes items of general interest to chemists.

Subject specialist librarians at Caltech are also responsible for maintaining subject specific web pages, in addition to contributing to the library's general reference web page and an online journal database (OJDB).

NEW 'CHEMISTRY' BOOKS & SPECIAL JOURNAL ISSUES

March 2001

If you would like to borrow any of these books or obtain a photocopy of the contents of any of the special issues, please *** the items of interest and return to Dana Roth (dzrplib@library.caltech.edu).

The following list has been prepared for Chemistry and Chemical Engineering Faculty members, from books & journals added in the Millikan and Fairchild libraries during March 2001. The books are arranged in call number order (with some special journal issues), within subject groups (i.e. science (general), mathematics/computer science, physics, chemistry, molecular biology/medicine, chemical engineering/materials science), followed by additional special journal issues received in the Millikan and Fairchild Libraries.

Science (General)

Trifogli, Cecilia.

Oxford physics in the thirteenth century (ca. 1250-1270):
motion, infinity, place, and time. Brill, 2000.

Q151 .T75 2000.

Mathematics. Computer Science

Stochastic processes in physics, chemistry, and biology.
Springer, c2000.

Lecture notes in physics; 557.

QA274 .S8735 2000.

Physics

Brandt, Siegmund.

The picture book of quantum mechanics.

Springer, c2001.

QC174.12 .B73 2001.

Chemistry

Catalysis of organic reactions.

Marcel Dekker, c2001.

QD262 .C35 2001.

Dass, Chhabil.

Principles and practice of biological mass spectrometry.

John Wiley & Sons, c2001.

QP519.9.M3 D33 2001.

Kinter, Michael.

Protein sequencing and identification using tandem mass spectrometry.

John Wiley & Sons, c2000.

QP551 .K495 2000.

Targeting of drugs: strategies for gene constructs and delivery.

Amsterdam; IOS Press, 2000.

NATO ASI series. Series A, Life sciences; 323.

RB155.8 .T375 2000.

1950-2000: fifty years of theoretical research on porphyrins.
Journal of porphyrins and phthalocyanines; v. 5, no. 3.
JOURNAL ISSUE.

Evolutionary protein design.
Advances in protein chemistry; v. 55.
JOURNAL ISSUE.

Microprocesses and nanotechnology.
Japanese journal of applied physics. Part 1; v. 39, no. 12B.
JOURNAL ISSUE.

Multifunctional high-throughput screening in chiral drug research ...
Combinatorial chemistry & high throughput screening; v. 3, no. 6.
JOURNAL ISSUE.

New aspects of D-amino acid bioscience research.
Journal of molecular catalysis. B; v. 12, no. 1-6.
JOURNAL ISSUE.

RECENTLY PUBLISHED BOOKS

CHEMISTRY

FEBRUARY 2001

If you would like to have any of these books purchased for the library, please *** them and return the list to Dana Roth 1-32 -- or send individual suggestions to (dzrplib@library.caltech.edu)

AMIDROR, I.
THE THEORY OF THE MOIRE PHENOMENON; 2000 KLUWER \$60

BALTA CALLEJA, F.
BLOCK COMPOLYMERS; 2000 DEKKER \$195

BARTECKI, A.
THE COLOUR OF METAL COMPOUNDS; 2000 G&B L58

BEESELY, T.
QUANTITATIVE CHROMATOGRAPHIC ANALYSIS; 2000 DEKKER \$195

BIDLACK, W.
PHYTOCHEMICALS AND BIOACTIVE AGENTS; 2000 TECHN \$100

BOTANA, L.
SEAFOOD AND FRESHWATER TOXINS; 2000 MD \$225

CANIOU, J.
PASSIVE INFRARED DETECTION: THEORY AND APPL; 1999 KLU \$168

CARTWRIGHT, H.
INTELLIGENT DATA ANALYSIS IN SCIENCE; 2000 OUP L35

CHANDA, M.
ADVANCED POLYMER CHEMISTRY, 2000 DEKKER \$225

YOUR NAME _____ M/C _____ (OVER)

CHATE, H.

MIXING: CHAOS AND TURBULENCE; 1999 KLUWER \$150

DANN, S.

REACTIONS & CHARACTERIZATION OF SOLIDS; 2000 RSC L 10

DENISOV, E.

INHIBITION OF CHAIN REACTIONS; 2000 GORDON & BREACH L82

DURAND-VIDAL, S.

ELECTROLYTES AT INTERFACES; 2000 KLUWER \$157

GALASSI, C.

*PIEZOELECTRIC MATERIALS: PROC. 5/99; 2000 KLU \$80

GIELEN, M.

SOLID STATE ORGANOMETALLIC CHEMISTRY; 1999 WILEY L165

RIZZACASA, M.

STOICHIOMETRIC ASYMMETRIC SYNTHESIS; 2000 ACADEMIC L39

HON, D.

WOOD AND CELLULOSIC CHEMISTRY, 2ND ED. 2000 DEKKER \$250

HUDSON, H.

AMINOPHOSPHINIC AND AMINOPHOSPHONIC ACIDS; 2000 JW \$325

LUISI, P.

GIANT VESICLES; 2000 WILEY L115

LUMETA, G.

*CALIXARENES FOR SEPARATIONS: PROC. 1997; 2000 ACS L85

LUTZ, J.

POLYMER MODIFIERS AND ADDITIVES; 2000 DEKKER \$185

MALATI, M.

EXPERIMENTAL INORGANIC PHYSICAL CHEMISTRY; 1999 HP L25

YOUR NAME _____ M/C _____ (OVER)

CHEMISTRY LIBRARY NEWSLETTER

March - April 2001

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1. LINUS PAULING INSIGHT

In a recent letter to Nature (Feb. 1, 2001, 409, 558), Jim Lake (UCLA) relates a 1988 conversation with Linus Pauling in which "(Pauling)

suddenly asked my wife and me in his uniquely direct way if we ever wondered why he hadn't solved the structure of DNA." Linus Pauling's explanation was that "I guess that I always thought that the DNA structure was mine to solve, and therefore I didn't pursue it aggressively enough".

2. NEW ELECTRONIC ACCESS (links included in the OJDB and SFX)

EUROPEAN JOURNAL OF INORGANIC CHEMISTRY - 1998+

<http://www3.interscience.wiley.com/cgi-bin/jtoc?ID=27721>

EUROPEAN JOURNAL OF ORGANIC CHEMISTRY.- 1998+

<http://www3.interscience.wiley.com/cgi-bin/jtoc?ID=27380>

3. CHEMICAL ABSTRACTS PRINT SUBSCRIPTION

As part of the original SciFinder Scholar license, Caltech agreed to maintain a subscription to the print version of Chemical Abstracts thru 2001, which coincides with the end of the 14th Collective period. As announced at the CCE Faculty Meeting last March, Caltech will no longer

subscribe to the print version of Chemical Abstracts. In addition to SciFinder Scholar, which is limited to academic use, Chemical Abstracts files are also available through the STN Network for commercial pursuits.

Given the ease of use of SciFinder Scholar, I also plan to move the 1967-2001 abstract volumes to the Library's Annex. The index volumes for 1907-2001 will remain on MIL-8, along with the abstract volumes for 1907-1966.

4. GMELIN'S HANDBUCH DER ANORGANISCHEN CHEMIE

GMELIN (the inorganic analog of Beilstein) is now electronically available for Caltech faculty and students thru Beilstein.

Login as you would for Beilstein, except that on the initial Beilstein Commander screen there is a 'Database' pull down menu allowing you to choose either Beilstein or Gmelin.

PLEASE BE CAREFUL when searching as the default database (when you first login) is the last one used on that workstation.

The oldest article indexed for Gmelin is by Joseph Priestley on Nitric Oxide, which appeared in Phil. Trans. Roy. Soc. in 1772. The Priestley nitric oxide article is actually online! It's part of the 18th century volumes of Philosophical Transactions mounted by the Bodlean Library.

<http://www.bodley.ox.ac.uk/cgi-bin/ilej/image1.pl?item=page&seq=1&size=1&id=pt.1772.x.x.62.x.147>

5. SFX with Web of Science

The Caltech Library System is the first U.S. academic library to roll out SFX with Web of Science! SFX is a service which allows users to view a list of services available for an article simply by clicking an SFX link in the bibliographic citation in Web of Science. This "menu" of resources may include the article's online full-text version, among other resources. For more information, see the SFX [FAQ](#) and SFX [Executive Summary](#) or go to [Web of Science](#) now to try it out!

Questions? Email sfx@library.caltech.edu.

WEB PAGE STATISTICS - MAY 2001

CALTECH MAIN WEB PAGE - 43,558

CALTECH ONLINE JOURNAL DATABASE - 24,255

CALTECH CHEMISTRY WEB PAGE - 1,366