

and other categories to next years form. Last year ChipSoft, a DOS oriented company, took over MacInTax. The new program was so bad I had to return it. Considering I didn't return Norton Utilities that's bad. I hope this year will be better. Less time for taxes may give you more time for students.

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Wanted! by Larry M. Julien

Names of books to be reviewed. These can be titles of books that you have read or seen that are of interest. These books will be reviewed and published in the Newsletter.

Please send your suggestions to me at one of the following addresses.

Larry M. Julien
Chemistry Department
Michigan Technological University
Houghton, MI. 49931

or by electronic mail at

lmjulien@mtu.edu

Editor: I assume Larry will also be pleased to receive actual book reviews by readers.

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COMPUTER CONFERENCE ON APPLICATIONS OF TECHNOLOGY IN TEACHING CHEMISTRY JUNE 14 THROUGH AUGUST 20, 1993.

by Don Rosenthal Co-Chair

The ACS Division of Chemical Education's Committee on Computers in Chemical Education is sponsoring a computer conference on "Applications of Technology in Teaching Chemistry." We hope that papers will be sub-

mitted on the use of computers, video, audio, films and other technologies which are used in teaching chemistry. The "meeting" will consist of several sessions each containing five papers.

This is the first computer conference held by the Division of Chemical Education and is viewed as an experiment. Participants and authors of papers will be asked to evaluate the "meeting" at the end of the conference. Thomas C. O'Haver, of the University of Maryland will manage the meeting and prepare a report summarizing the conference and the evaluations. It is expected that some of the papers, discussion and evaluation will be published in book form. It is hoped that computer conferencing will become a permanent part of the Division's program.

CALL FOR PAPERS

Authors must have access to Bitnet or Internet. The title of the paper and an abstract of not more than 150 words should be sent to Thomas C. O'Haver(TO2@UMAIL.UMD.EDU) via electronic mail before February 1, 1993. The full paper must be submitted by May 1, 1993. Assistance on handling graphics will be available through the conference manager. Authors will be sent instructions either prior to or after submission of an abstract. Submit your request to TO2@UMAIL.UMD.EDU. Presenting a paper does not preclude publication; in fact we encourage subsequent publication.

REGISTRATION

There will be no registration fee. However, everyone who registers must make a commitment to participate in the conference. All participants must have access to either Bitnet or

Internet and become familiar with electronic mail prior to the meeting.

Registrants will have an opportunity to practice prior to the conference. Assistance will be available through Thomas O'Haver. You will register by sending the following message to LISTSERV@UMDD.UMD.EDU : SUBSCRIBE CHEMCONF-L <your name> before June 1, 1993. The titles and abstracts will be available to registrants on March 1. Those wishing not to participate can notify LISTSERV by April 1.

Those having a terminal or work station and the necessary communication software can receive assistance in obtaining a link to Bitnet or Internet by writing Dr. Thomas C. O'Haver, Department of Chemistry, University of Maryland, College Park MD 20742 (Phone: 301-405-1831).

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THE COMMITTEE ON COMPUTERS IN CHEMICAL EDUCATION WHAT IT IS AND WHO ITS MEMBERS ARE The PURPOSE of this Committee is to promote and publicize computing usage in chemical education. by Don Rosenthal Co-Chair

The PURPOSE of this Committee is to promote and publicize computing usage in chemical education.

COMMITTEE ACTIVITIES

The Committee:

Sponsors and Helps to Organize Symposia and Other Sessions at National and regional ACS Meetings Organizes National Computer Workshops

Publishes the COMPUTERS IN

CHEMICAL EDUCATION NEWS-LETTER

Holds open and closed meetings at CHEM ED Biennial Meetings

Suggests and promotes new initiatives like computer conferencing

Maintains a closed electronic mail network (CCCENET) to facilitate communication among its members.

Committee members participate by:

- Providing ideas
- Providing suggestions
- Speaking and writing
- Organizing and participating in seminars, symposia, meetings and workshops
- Acting as resource people for others

The Committee is anxious and willing to receive suggestions and comments from other chemical educators. Those wishing to communicate with the Committee can write or send electronic mail to Donald Rosenthal or any other member of the Committee. We welcome participation in any of our activities - articles for the Newsletter, symposium speakers and organizers of workshops and symposia. We also look for new Committee members from time to time. If you are interested in or would like to recommend someone for Committee Membership, please contact Don Rosenthal.

COMMITTEE MEMBERS

The Committee presently consists of twenty-one members. The membership directory follows listing name, electronic mail address, and phone number on the first line of each entry.

The mailing address is shown on the following lines. Not all Committee members currently have electronic mail addresses.

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**INTEGRATING COMPUTERS
INTO THE HIGH SCHOOL CHEM-
ISTRY CLASSROOM**

William J. Sondgerath,
Chemistry Teacher Harrison
High School, West Lafayette,
Indiana

Our project began in
1987 with a grant from the
Indiana Department of Educa-
tion to increase the use of tech-
nology in the chemistry class-
room. Our purpose was to use
technology to enhance tradi-
tional instruction and to in-
crease learning opportunities
for students. The project,
"Classroom Without Walls,"
was comprised of Thomas
Adams, then a doctoral candi-
date from Purdue University,
and Dolores Handy and William
Sondgerath, chemistry teach-
ers at Harrison High School.
There follows an outline of how
we use computers and related
technology in our classroom to-
day.

We have the following
hardware available:
In the classroom:
8-IBM Model/25
4-IBM Proprinter II

4-ESM Corporation printer
switch boxes
1-IBM Model/30 (Mostly for
teacher use.)

1-Sharp QA-50 Liquid Crystal
Display

Outside the room:

1-Local Area Network (in me-
dia center)

30-IBM Model/25 (in media
center)

Used extensively for tu-
torials in beginning chemistry
is "Introduction to General
Chemistry" by Stan Smith from
the University of Illinois, pub-
lished by Compress. Fifty-five
lessons in twenty instructional
days are used, covering such
topics as nomenclature, writ-
ing formulas, per cent compo-
sition, solutions, the gas laws,
and acid-base chemistry. KC?
Discoverer by Journal of
Chemical Education Software is
used extensively during our
study of periodicity. We have
found in our experiences that it
is essential for student learning
to have teacher-prepared

**LAB SPREADSHEETS PREPARED FOR THE FOLLOWING IN HEATH CHEMISTRY:
(D. C. Heath, 1987)**

Experiment 1C: Analysis of Experimental Results

Experiment 2B: The Law of Definite Composition

Experiment 3A: Thickness of an Aluminum Sheet

Experiment 3Y: The Relationship Between the Mass & Volume of Cu

Experiment 2B: The Law of Definite Composition (Students use data in Ch4
to find Empirical Formula)

Experiment 6A: Mole-Mass Reaction

Experiment 7B: The Molar Volume of a Gas

Experiment 17A: Heat of Reaction

Experiment 17B: Heat of Fusion

Spreadsheets for Other Labs:

Calorimeter Constant

Specific Heat of Unknown Metal

Enthalpy of Neutralization Reaction

Acid-Base Titrations: Standardization of NaOH with KHP

Acid-Base Titrations: Citric Acid in Grapefruit Juice

Acid-Base Titrations: Acetic Acid in Vinegar