



C3 Newsletter

“Serving chemical educators in college, universities and technical institutes across Canada”

President’s Message

Hi folks,

We are half way through the winter semester! The Olympics are on right now and we get to see some of the fantastic natural beauty to be found in British Columbia. This is making me excited about heading to Kamloops this May for the College Chemistry Canada conference. You can find registration details in this issue of the newsletter.

Your C₃ executive is always trying to expand membership. One of the barriers we have is the impression that we are only for college instructors! This is far from

the truth, as our membership includes chemical educators who work in universities, colleges, and technical institutes. And, our current board membership covers all of these types of institutions. Our organization has a diverse membership with one thing in common – we all teach chemistry at the post-secondary level. We recently drafted a new ‘identity’ statement: “College Chemistry Canada - Serving chemical educators in colleges, universities, and technical institutes across Canada.” Why do we need this? It’s an attempt to start changing the impression

that C₃ is only for college teachers. We need to define ourselves instead of letting others make their own definition of what we are. So, the next time you talk about C₃ with a university colleague, don’t be shy in telling them what we are really about.

-Lawton



Editor’s Note

Hello folks! This semester seems to be flying by rather quickly. This means that the annual C₃ Conference is getting nearer. In the newsletter you will find dates of the conference as well as a registration form. This years conference should be beautiful

as it is set in the Okanagan! We are hoping to see all of you that we missed at last years conference.

It has been confirmed by the coordinators that Peter Mahaffy and Eric Krogh will be the invited speakers at the conference.

Remember that we always encourage your participation. We are always looking for new bodies for provincial representatives and board member positions. Maybe this is your year to volunteer!

See you soon! Arlana



Inside this issue:

Resource Review 2

C3 Conference Information 3

C3 Conference Registration Form 4

New Resource for Chemistry Educators!

For those of you who are always looking for new chemistry resources, this is for you. Two of our very own members of C3, Dietmar Kennepohl and Lawton Shaw, have edited this new virtual textbook.

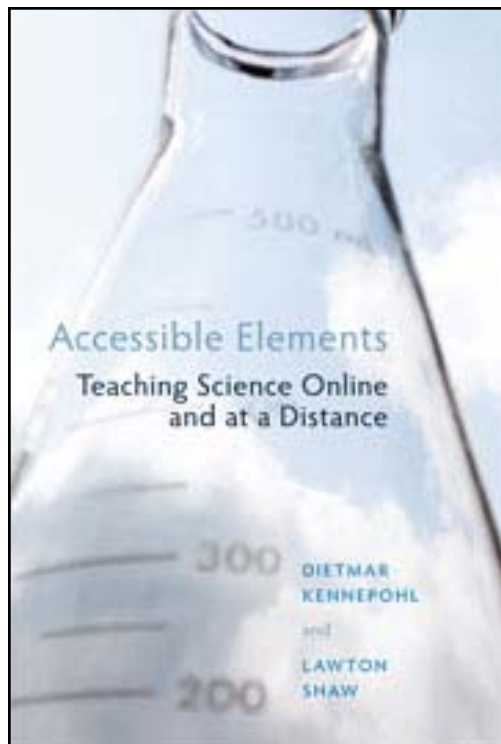
Shown below is both the text over-

view and a listing of the table of contents. The entire text is available for download found at: <http://www.aupress.ca/index.php/books/120162>

If you prefer a hardcopy of the text it can be ordered from the same web-

site link.

Hopefully the new resource can help you in your classroom. If you have any other resources that you think others should know about please feel free to send information to Arlana Moskalyk for publication in our next newsletter.



About the Book

Accessible Elements informs science educators about current practices in online and distance education: distance-delivered methods for laboratory coursework, the requisite administrative and institutional aspects of online and distance teaching, and the relevant educational theory.

Delivery of university-level courses through online and distance education is a method of providing equal access to students seeking post-secondary education. Distance delivery offers practical alternatives to traditional on-campus education for students limited by barriers such as classroom scheduling, physical location, finances, or job and family commitments. The growing recognition and acceptance of distance education, coupled with the rapidly increasing demand for accessibility and flexible delivery of courses, has made distance education a viable and popular option for many people to meet their science educational goals.

Contents

ix Foreword
xv Introduction

Learning

1 chapter one-Interactions Affording Distance Science Education- Terry Anderson
19 chapter two -Learning Science at a Distance: Instructional Dialogues and Resources -Paul Gorsky and Avner Caspi
37 chapter three -Leadership Strategies for Coordinating Distance Education Instructional Development Teams -Gale Parchoma
61 chapter four -Toward New Models of Flexible Education to Enhance Quality in Australian Higher Education -Stuart Palmer, Dale Holt, and Alan Farley

Laboratories

83 chapter five -Taking the Chemistry Experience Home —

Home Experiments or “Kitchen Chemistry” -Robert Lyall and Antonio (Tony) F. Patti

109 chapter six -Acquisition of Laboratory Skills by On-Campus and Distance Education Students -Jenny Mosse and Wendy Wright

131 chapter seven -Low-Cost Physics Home Laboratory
Farook Al-Shamali and Martin Connors

147 chapter eight -Laboratories in the Earth Sciences -Edward Cloutis

167 chapter nine -Remote Control Teaching Laboratories and Practicals -Dietmar Kennepohl

Logistics

191 chapter ten -Needs, Costs, and Accessibility of de Science Lab Programs -Lawton Shaw and Robert Carmichael

213 chapter eleven -Challenges and Opportunities for Teaching Labora-

tory Sciences at a Distance in a Developing Country -Md. Tofazzal Islam

235 chapter twelve -Distance and Flexible Learning at University of the South Pacific -Anjeela Jokhan and Bibhya N. Sharma

247 chapter thirteen -Institutional Considerations: A Vision for Distance Education -Erwin Boschmann

267 Author Biographies

275 Index

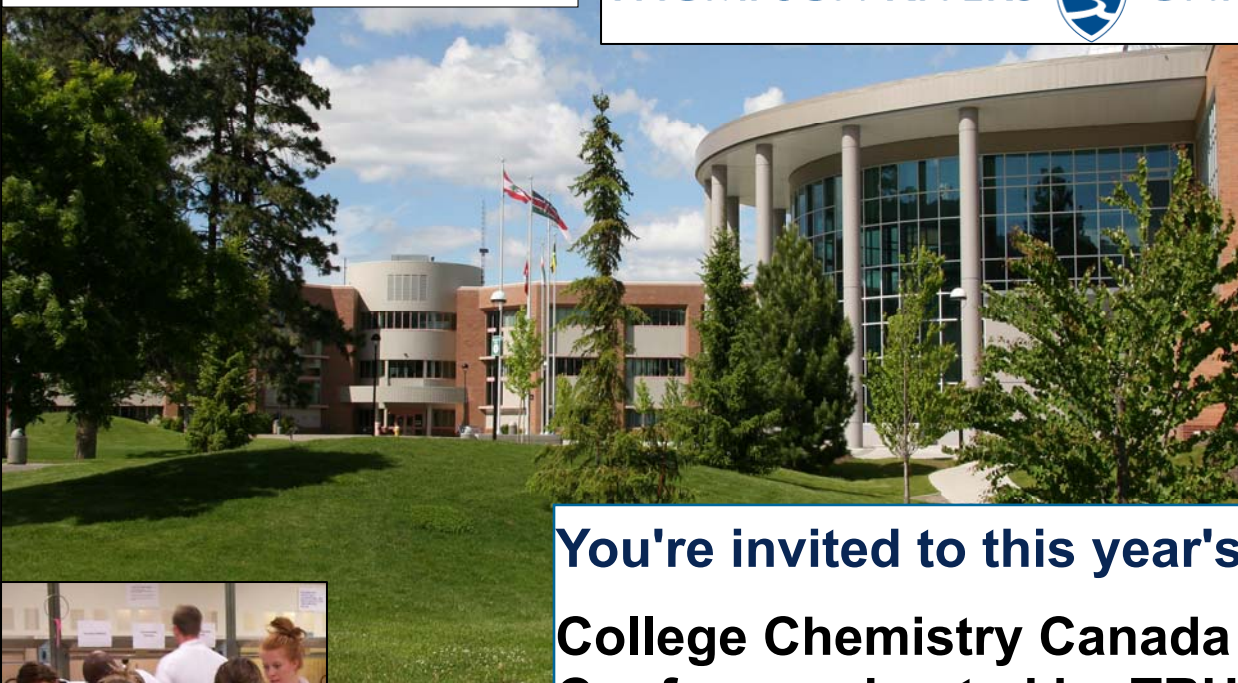
*The individual chapters can be downloaded separately.

<http://www.aupress.ca/index.php/books/120162>



C3 Conference 2010:

THOMPSON RIVERS UNIVERSITY 



**You're invited to this year's
College Chemistry Canada (C₃)
Conference hosted by TRU**

*" Teaching and research in our changing
post secondary landscape"*

May 13-15, 2010

Join us in sunny Kamloops, BC for the latest in innovative undergraduate education and the wonderful social events celebrating the 37th Annual C₃ Conference.

For more information contact 250.371.5969 or email:

C3conference@tru.ca



College Chemistry Canada (C₃)
37th Annual Conference

May 13th-15th, 2010

Registration Form



THOMPSON RIVERS
UNIVERSITY

Personal Information: (please type or print)

Name: _____

College/University/Company: _____

Address: _____

Daytime Phone #: () _____ Fax #: () _____

Email Address: _____

Conference Fees:*

Item	Cost	Total
Full Registration** (before April 13 th)	\$100.00	
Full Registration** (after April 13 th)	\$125.00	
Day Rate: May 14 th , Fri <input type="checkbox"/> May 15 th , Sat <input type="checkbox"/>	\$ 50.00	
Banquet: (please indicate number of tickets required) <input type="checkbox"/>	\$ 60.00ea	
Chemical Education Affiliate Membership (optional)	\$ 10.00	
<i>Accommodation Fees*:</i> (if planning on staying on campus) check out www.stayrcc.com/kamloops/index.html		
One bedroom suite (\$90 per night)	\$90.00	
Individual room in a Shared two bedroom suite (\$45 per night)	\$45.00	
Loft Suite (\$150 per night)	\$150.00	
Total Amount Due		

* Prices include all applicable taxes, accommodations include complimentary continental breakfast and based on single or double occupancy

** Full Registration includes C3 Membership (\$20), lunches, breaks, and Thursday evening reception

Dietary Restrictions: _____

Please make cheques payable to "C3 2010 Conference"

and send cheques **and** registration form to:

Bruno Cinel, Chemistry
Thompson Rivers University
900 McGill Road
Kamloops, BC, V2C 5N3

Remember early registration by April 13, 2010