



Chemistry Outlook

An Activity of
The Committee on Chemistry in the Two
Year Colleges;
Division of Chemical Education;
American Chemical Society

Main Website:

<http://www.2yc3.org>

Issue:

Issue II, 2016

Blog:

<http://2yc3outlook.org>

Twitter:

@2YC3

Facebook:

2YC3

215th 2YC₃ Conference: Yavapai College November 4-5, 2016

If you're looking to network with fellow two year college chemistry faculty in a warm and sunny location, then please consider joining us on November 4-5, 2016 for the 215th 2YC₃ Conference, which will be held in Prescott, Arizona at Yavapai College. The theme for this conference is "**Chemical Education and Research Opportunities at Two-Year Colleges**".

If you're considering giving a presentation or holding a workshop at the 215th Conference, abstracts are due by **October 1** to Paul Smolenyak (paul.smolenyak@yc.edu).

Registration is now open at <http://www.2yc3.org>. Registration with meal options will be available until **October 21**, though you can still register up until the day of the conference.

More information about the conference can be found on page 3 of the newsletter.

In this issue:

pg 2

Info:
216th
Conference

Helium
4.00

pg 3

More Info:
215th
Conference

Lithium
6.94

pg 4

Notes from
the Chair

Beryllium
9.01

pg 5

Call for
Chair Elect
2018

Boron
10.81

pg 6

217th
Conference/ Call
for Membership
Chair

Carbon
12.01

Where will your most promising 2YC biochemistry students complete their bachelor's degrees?

Consider Connecticut College's Science Leaders program for 2YC biochemistry transfer students.

This new program offers:

- A focus on 2YC transfers in biochemistry
- A close-knit cohort of students
- Opportunities to engage in research with faculty
- A College-funded summer internship
- A selective, residential, small liberal arts experience
- Financial aid that meets 100% of demonstrated need

Students interested in transferring need at least a B+ in biology (1 year), general chemistry (1 year), organic chemistry (1 year), calculus (1 year) and physics courses (1 year).

For more information please send your students to www.conncoll.edu/biochem-science-leaders/

CONNECTICUT COLLEGE



Vernier Software & Technology
www.vernier.com
888-VERNIER



Vernier Mini GC™ Plus Gas Chromatograph

- Detects alcohols, esters, ketones, halogenated hydrocarbons, polar-substituted aromatic hydrocarbons, and more
- Uses room air as the carrier gas
- Includes electronic lab manual

www.vernier.com/gc2-mini

216th 2YC₃ Conference “Chemistry Inside and Outside the Classroom” March 31-April 1, 2017

Truckee Meadows Community College - Dandini Campus

We currently are looking for colleagues who would like to contribute to our program by giving a presentation, leading a workshop, or participating in a panel discussion. We especially encourage topics related to our theme “Chemistry Inside and Outside the Classroom”. If you would like to present on a different topic, please do not hesitate to submit an abstract, as we encourage as diverse a program as possible. The due date for submitting abstracts is **February 3, 2017**. The latest conference updates will be available on the 216th conference website: <http://www.2yc3.org/php/meetings.php> .

Program Chair/Local Arrangements Chair: Olga Katkova: okatkova@tmcc.edu

Co-Chair: Kathleen Kolbet : kkolbet@tmcc.edu

Exhibits Chair: Matthew Leathen: mleathen@tmcc.edu

More Info: 215th 2YC₃ Conference: Yavapai College November 4-5, 2016

Keynote Addresses Include:

Dr. Karl Karlstrom and Dr. Laura Crossey: University of New Mexico – Department of Earth and Planetary Sciences “Tectonic geochemistry applications to Grand Canyon geology and hydrology”

Dr. Sean Madden: Staff Scientist Infraredx, Inc. “Coronary NIR Spectroscopy”

Dr. John Pollard: University of Arizona, Department of Chemistry and Biochemistry, “Active Learning Strategies in Chemistry Classrooms”

Friday Social: On Friday, November 4 we’ll meet downtown at 6:00 pm for a walk around Prescott’s historic Whiskey Row and Courthouse Plaza with food and drink to follow at one (or more) of the local breweries or other venues.

Information about Airports, Transportation, and Lodging

Most out-of-state 215th 2YC₃ participants will travel to Prescott by air and rental car via **Phoenix Sky Harbor International Airport (Airport Code: PHX)**. Phoenix Sky Harbor International Airport is approximately 100 miles from the Yavapai College, Prescott campus location. There is also a shuttle between the PHX Airport and Prescott. Information can be found at <http://www.arizonashuttle.com/schedules/prescott-phoenix/>.

There is also limited service into **Prescott Airport (Airport Code: PRC)** via Los Angeles and Phoenix on Great Lakes Airlines.

Free daytime parking is available at the college but overnight parking on campus is not permitted.

Lodging is available in Prescott. Quality Inn, Apache Lodge, and Best Western are all within walking distance of the college.

Breakfast: Continental Breakfast and Beverage will be available on Friday and Saturday.

Lunch: Lunch can be on your own (on or off campus) or you may join us for a deli-style box lunch \$10 per day. You can purchase this option for meals when you register online. Box lunch includes seasonal salad (grilled portobello with provolone on focaccia), deli sandwich (turkey, beef, or ham and provolone cheese on whole wheat), chips, cookie, beverage.

The Rider Diner: The Yavapai College campus Rider Diner immediately adjacent to meeting facilities offer a well-rounded menu with many choices.

Off-Campus Food Options: There are no restaurants within easy (lunch schedule) walking distance of campus, but many options are a short drive away.

Conference Website: <http://2yc3.wpprod.yc.edu/>

Contact Information for Program Co-Chairs:

Paul Smolenyak Ph.D.

Paul.Smolenyak@yc.edu

(928) 776-2326

Gino Romeo Ph.D.

Gino.Romeo@yc.edu

102 No Nobelium [259]	52 Te Tellurium 127.6	16 S Sulfur 32.065	87 Fr Francium [223]	8 O Oxygen 15.9994	25 Mn Manganese 54.938045	90 Th Thorium 232.03806	63 Eu Europium 151.964	6 C Carbon 12.0107	1 H Hydrogen 1.00794	79 Au Gold 196.966569	77 Ir Iridium 192.217
---------------------------------------	---------------------------------------	------------------------------------	--------------------------------------	------------------------------------	---	---	--	------------------------------------	--------------------------------------	---------------------------------------	---------------------------------------



Tamika Duplessis, Delgado Community College, New Orleans, LA

With every gathering of the 2YC₃ membership, I am both inspired and humbled. The 213th 2YC₃ conference held at San Diego City College this Spring was par for the course. With its timely theme of “Teaching Chemistry through its Social Impacts”, there was a spirit of collaboration, dedication, and resilience permeating every gathering that reinvigorated my desire to share my love for chemistry with the next cohort of future scientists. I had a renewed sense of science as a collaborative endeavor, one of the driving forces that lead me to pursue an education and career

in science in the first place. I would like to thank the conference organizers Nancy Crispin, Shane Haggard, and Robert Kojima (San Diego City College); Joann Um (Southwestern College); and Haim Weizmann (University of California, San Diego) for a captivating and inspirational conference. I would also like to mention the students from the Bronx City College and City University of New York who presented “The Benefits of Undergraduate Research as a Teaching Tool from a Students’ Perspective”, along with their research mentor Vicki Flaris (Bronx Community College). Their presentation provided a refreshing look at the benefits of research from a student’s point of view.

I invite you to join us as our 2016 slate of meetings continue in Prescott, AZ for the 215th 2YC₃ conference. Conference organizers are working diligently to bring an exceptional program that will explore chemical education and research opportunities in two-year colleges and highlight the natural resources and unique landscape of Arizona. Please take time to visit our website at www.2yc3.org for more information on these and other upcoming events.

A call for applications is included in this edition of the Chemistry Outlook for two positions on the COCTYC (Committee on Chemistry in the Two-Year Colleges), the 2YC₃ executive board. We are currently looking for individuals to fill the positions of Membership/College Sponsors Chair and 2018 Chair Elect. Both positions entail a three year term beginning in January 2017. If you are interested in becoming more involved in 2YC₃ and would like to learn more about our organization, then I encourage you to apply. Please see the official Call for Applications for more details.

To close, I urge you to keep on doing what you have been doing, and aspire to do it even better next time. Continue to inspire, inform, and motivate those sitting in the seats in front of you each day. Be that agent of hope and possibilities for those that are navigating the seas of doubtfulness and unsureness. Remember “somewhere, something incredible is waiting to be known.” – Carl Sagan

United through the bonds of chemistry,

Tamika Duplessis

Call for applications for the office of 2018 Chair Elect of 2YC₃

The Committee on Chemistry in the Two-Year College (COCTYC), 2YC₃'s executive governing board is actively seeking interested applicants for the 2018 Chair Elect.

Application for Chair-Elect for 2018 must include:

- A. Pertinent personal data such as name, college, job title, address, etc.
- B. A brief statement of pertinent qualification, signed by the nominee.
- C. A statement indicating a willingness to serve signed by the nominee.
- D. A statement of support from an appropriate person in the applicant's school- Department or Division Chair, Dean, Vice President, or President/Chancellor.

Failure to include all four items above will automatically disqualify the applicant from the election process.

To be eligible to be nominated an individual must:

1. Be a two-year college chemistry faculty
2. Have been a dues paying member of 2YC₃ a minimum of three years prior to nomination
3. Be a member of Division of Chemical Education (DivCHED)
4. Have demonstrated leadership and organizational ability by serving as Chair or Co-Chair for a conference and in one or more of the following capacities:
 - a. served three years on the (COCTYC).
 - b. served as Program Chair, Local Arrangements Chair, or Exhibits Chair for a 2YC₃ Conference.
 - c. chaired a sub-committee of the COCTYC.
 - d. contributed within the past three years two or more ways such as:
 - acted as local industrial sponsor coordinator
 - chaired a conference section
 - presented a paper at a conference,
 - moderated a panel at a conference
 - or other ways an individual has contributed.

Applications must be received by the current Chair, Tamika Duplessis (tduple@dcc.edu) no later than October 1, 2016.

-The COCTYC will serve as a nominating/screening committee to generate a slate of candidates.

-Each 2YC₃ member shall vote for one nominee per office and the candidate who receives the greater number of votes shall be declared elected.

-Ballots will be distributed electronically in December 2016.

217th 2YC₃ Conference
Bronx Community College, Bronx, NY
May 26-27, 2017



The 217th 2YC₃ conference will be hosted at Bronx Community College on May 26-27, 2017. We currently are looking for colleagues who would like to contribute to our program by giving a presentation, leading a workshop, or participating in a panel discussion. We especially encourage topics related to our theme, “Creative Teaching Strategies”. If you would like to present on a different topic, please do not hesitate to submit an abstract, as we encourage as diverse a program as possible.

Program Chair

Vicki Flaris: vicki.flaris@bcc.cuny.edu

Call for applications for the office of Membership/College Sponsors Chair

The Committee on Chemistry in the Two-Year College (COCTYC), 2YC₃'s executive governing board is actively seeking interested applicants for the Membership/College Sponsors Chair.

Application for Membership/College Sponsors Chair for a three year term beginning in 2017 must include:

- A. Pertinent personal data such as name, college, job title, address, etc.
- B. Brief statement of pertinent qualification, signed by the nominee.
- C. A statement indicating a willingness to serve signed by the nominee.
- D. A statement of support from an appropriate person in the applicant's school.

To be eligible to be nominated an individual must:

1. be a two-year college chemistry teacher
2. have been a dues paying member of 2YC₃ a minimum of three years prior to nomination
3. be a member of DivCHED

Applications must be received by the current Chair, Tamika Duplessis (tduple@dcc.edu) no later than October 1, 2016.

-The COCTYC will serve as a nominating/screening committee to generate a slate of candidates.

-Each 2YC₃ member shall vote for one nominee per office and the candidate who receives the greater number of votes shall be declared elected.

-Ballots will be distributed electronically in December 2016.

The Ultimate UV-Vis for a Teaching Setting

Shimadzu's versatile, user-friendly **UV-1280 spectrophotometer** is ideally suited for the teaching lab, offering intuitive operation while providing comprehensive measurement options in a compact body.



Key features/benefits of the UV-1280 include:

- Multi-function capability with seven measurement modes, including bio
- Wavelength scanning from 190 to 1,100 nm
- USB memory ready, making it easy to transport analysis data and to store large amounts of data in a PC
- Easy-to-see LCD enables intuitive measurement, instrument validation, and printing operations

Learn more.

Call (800) 477-1227 or visit

www.ssi.shimadzu.com/UV

Shimadzu Scientific Instruments, 7102 Riverwood Dr.,
Columbia, MD 21046, (800) 477-1227

Of Note:

- Check out the new 2YC₃ Outlook Blog at the address <http://www.2yc3outlook.org>. New posts with information about conferences will appear regularly!
- If you'd like to submit an article to the Outlook newsletter, send it to newsletter@2yc3.org. The deadline for Issue I of the 2017 newsletter will be December 15, 2016.
- You can now pay for your membership on the 2YC₃ website (<http://www.2yc3.org>). Click on "Membership Form" on the left side of the main page to become a member or to renew your current membership.

COCTYC and Support Staff 2016 Roster of Committee Members

<p>Chair Tamika Duplessis, Delgado Community College (LA) chair@2yc3.org</p>	<p>Chair-Elect 2016 Kathy Carrigan, Portland Community College (OR) chairelect2016@2yc3.org</p>	<p>Chair-Elect 2017 Mary Roslonowski, Eastern Florida State College (FL) chairelect2017@2yc3.org</p>
<p>Immediate Past Chair (Future Sites Coordinator) Scott Donnelly, Arizona Western College (AZ) futuresites@2yc3.org</p>	<p>Past Chair (DivCHED Representative) Neil Bastian, Salt Lake Community College (UT) pastchair1@2yc3.org</p>	<p>Past Chair (TAB Coordinator) Pam Clevenger, Itawamba Community College (MS) tabchair@2yc3.org</p>
<p>Treasurer Julie Ellefson-Kuehn, Harper College (IL) treasurer@2yc3.org</p>	<p>Membership & College Sponsors Chair Jason Jadin, Rochester Community and Technical College (MN) membership@2yc3.org</p>	<p>Industrial Sponsors Chair Michele Turner, University of Akron - Wayne College (OH) industrialsponsors@2yc3.org</p>
<p>Newsletter Editor Jon Gittins, Delta College (MI) newsletter@2yc3.org</p>	<p>Webmaster Luca Preziati, Stark State College (OH) webmaster@2yc3.org</p>	<p>Workshops Liaison Amy Jo Sanders, Stark State College (OH) workshops@2yc3.org</p>

Vincennes University
 Committee on Chemistry in the Two Year College
 1002 North First Street
 Vincennes, Indiana 47591-5201

Nonprofit Org.
 Auto
 U.S. Postage
 PAID
 Permit #85
 Vincennes, IN 47591

Tamika Duplessis, CHAIR
 Jon Gittins, EDITOR
 COMMITTEE ON CHEMISTRY
 IN THE TWO-YEAR COLLEGE
 Division of Chemical Education
 American Chemical Society



STREAMLINE
 YOUR TEACHING LABS
 The new **MicroLAB 528** replaces
 multiple stand-alone lab instruments

FS-528 FASTspec™

HIGH RESOLUTION MEASUREMENTS - SMALL, SAFE SAMPLES - POWERFUL, INTUITIVE SOFTWARE

FASTspec™ Scanning

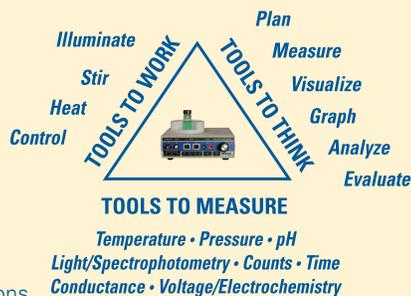
Spectrophotometry 360-880 nm

Patented FASTspec™ Technology

- Fluorescence
- Absorbance
- Scatter
- Transmission
- Beer's Law
- Kinetics
- Spectral Profiles
- Color Comparison
- Turbidity / Nephelometry
- Backscatter Turbidity
- Spectrophotometric pH/Indicator Titrations

Basic Measurements

- pH/Redox/DO • Gas Pressure • Temperature
- Light • Conductance • Voltage/Electrochemistry •
- Time Counts/drops • Thermocouple • Volts/Millivolts



\$749
 INTRODUCTORY PRICE



NEW 5th Generation Features!

- Constant Temperature Heater • Sample Illumination
- Magnetic Stirring • Real-Time Tactile Control
- Electroplating Power Supply

1.888.586.3274 • www.microlabinfo.com

LEARNINGWITHOUTLIMITSLEARNINGWITHOUTLIMITSLEARNINGWITHOUTLIMITS