

Thursday 27 Feb 2020

PRIESTLEY MEDAL ADDRESSES

Tools for Teaching about the Recent History of Chemistry

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The past 100 years have witnessed a significant increase in chemical knowledge. This has led to greater roles for chemists in education, government, and industry, and advancements in chemistry play important roles in our daily lives. Despite this increased role, we as chemical educators often find little time to teach about the history of our discipline, much less the recent past. Through our regular chemistry curriculum, chemistry majors learn plenty about chemical principles. What do they know about the many roles recent chemists played in promoting chemistry through their research, teaching, and service? Based on their observations of chemistry faculty in the classroom and lab, chemistry majors may be familiar with the work done by academic chemists. How much exposure do these majors get to chemists working outside of academia?

The Priestley Medal is ACS's highest award, given annually to recognize an individual for distinguished service to the field of chemistry. It is traditional for the awardee to give an address at one of the ACS National meetings, and most of these addresses are published in Chemical & Engineering News. Given the prominence of the awardees and the ready availability of award addresses, I have used Priestley Medal Award addresses to provide students with an introduction to the recent history of chemistry, as well as exposing them to the many roles chemists play in society apart from their work in the lab. In this talk I will present a brief history of the Priestley Medal and a summary of the range of topics covered by the various awardees. I will conclude with some examples of how I have incorporated Priestley Medal Addresses into the curriculum for a chemistry major.

6:00-6:30 pm Reception, Howell Hall Atrium
6:30-7:15 pm Dinner, Nigh University Center, Heritage, Room 326
7:15-8:15 pm Presentation
University of Central Oklahoma,
Edmond, OK
<http://www.uco.edu/>

Menu, Fajita Buffet

Beef and chicken fajita strips
tossed in grilled peppers and onions
beside warm flour tortillas
Spanish rice and refried beans
shredded cheddar, sour cream, guacamole,
shaved lettuce and tomatoes
cinnamon churros with warm honey

Cost

\$20 members
\$5 students

RSVP Deadline

Monday, February 24th, noon
Contact: Carla Supon
phone: 405-974-5018
email: csupon@uco.edu



UCO campus map
with parking code

Vegetarian option available. Please indicate when you RSVP

Directions Campus map (QR above or see page 2) Paid parking is available in the Visitor Lot, east of the Nigh University Center. See the parking map for instructions and a code to get free parking. The Howell Hall Atrium is on the ground floor between Howell Hall and the Howell Hall Laboratory Annex Building. The Heritage room is on the third floor to the right of the central stairway.

RSVP is NOT required to attend the presentation.

Speaker Bio Sketch on next page.

Luis D. Montes Biographical Sketch

Luis Montes earned a BS in Chemistry and a BA in Philosophy from New Mexico State University. He then completed his PhD in Inorganic Chemistry under J. J. Lagowski at the University of Texas at Austin. After spending four years in various contingent faculty roles at Oklahoma State University, he joined the UCO Department of Chemistry in 2000. He is a Professor of Chemistry, and has served as Department Chair since 2012. He has taught courses including Introductory Chemistry for non-science majors, General Chemistry I and II for science majors, Organic Chemistry for Life Science major. His upper division courses for chemistry majors include Inorganic

Chemistry, Professionalism in Chemistry II, and Nature and Development of Chemistry. His scholarly pursuits include work in the history and philosophy of chemistry and chemical education. His teaching has been recognized with UCO's 2018 Neely Teaching Excellence Award, and his university service has been recognized with UCO's 2012 Vanderford Initiative and 2007 Modeling the Way awards. He served as Chair-Elect/Chair/Past Chair of the ACS Oklahoma section from 2014 – 2016. In addition to his work in chemistry, he has served as a Peer Reviewer for the Higher Learning Commission since 2012.



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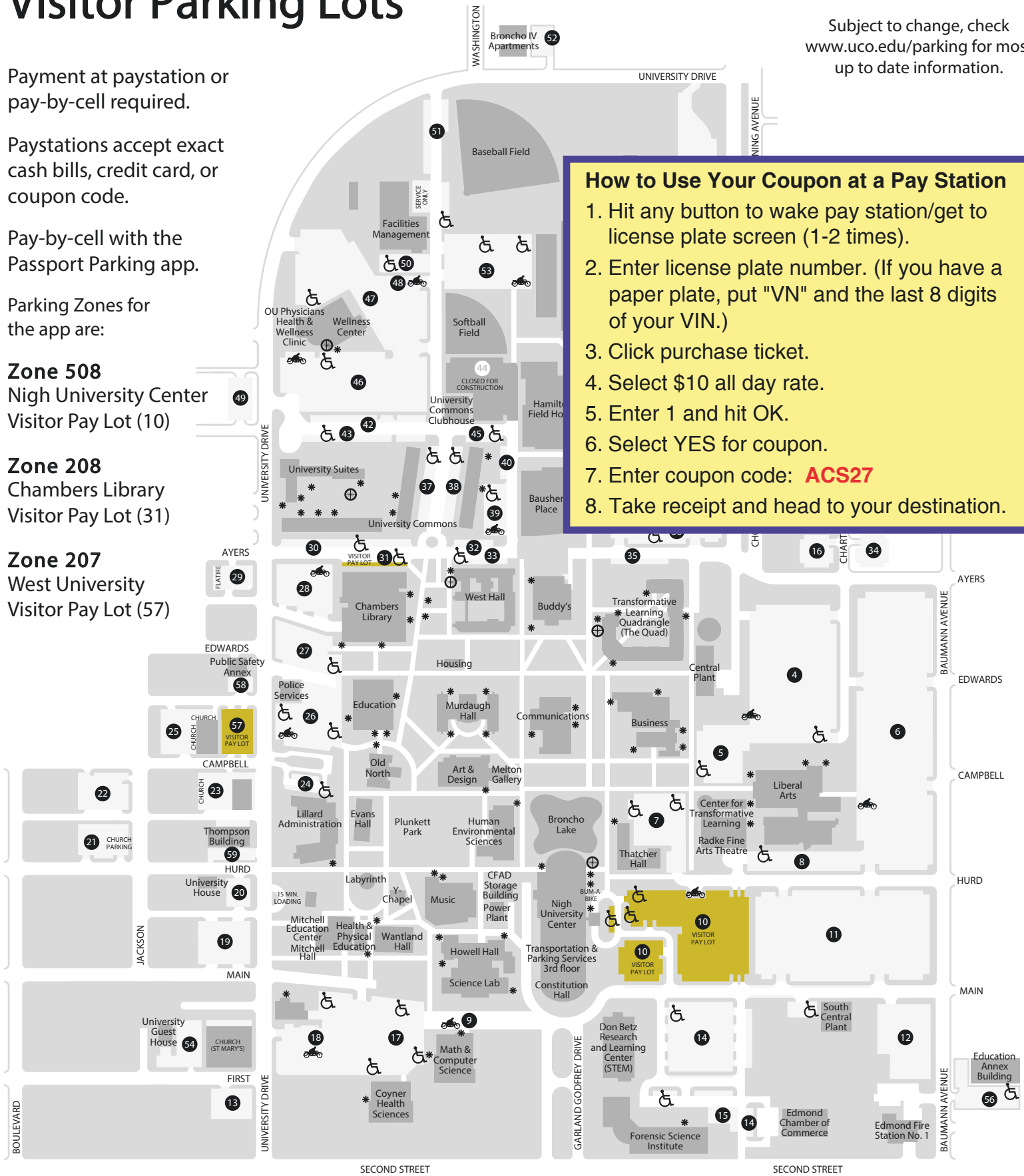
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