

Annual Awards Banquet
Thursday 28 Apr 2016
**COLORS OF THE PAST:
ARCHAEOLOGICAL CHEMISTRY OF
NATURAL DYES**

Ruth Ann Armitage
*Department of Chemistry
Eastern Michigan University*



Color fascinates us, and has for millennia. From the vibrant mineral colors of Paleolithic rock art to the development of mauvine, chemistry and color are inseparable. Archaeological evidence indicates that humans may have used plants as much as 30,000 years ago to give color to fibers. Ancient dyers were the earliest experimental chemists, preparing natural dyes from plants, shellfish, and insects. These dye sources can often be identified by their telltale molecules. The Armitage group at Eastern Michigan University works in collaboration with museums and archaeologists to identify these molecules today in textiles, lake pigments, and manuscripts using mass spectrometry methods.

6:00-6:30 pm Social Hour
6:30-7:30 pm Dinner
7:15-7:30 pm Awards
7:30-8:30 pm Presentation

Oklahoma State University – Oklahoma City
Student Center 3rd Floor, Conference South
900 N. Portland Ave, Oklahoma City, OK 73107
map: <http://www.osuokc.edu/map/>



OSU-OKC map
QR code

Italian: Build your own Pasta Bowl

Pasta Noodles
Marinara and Alfredo Sauces
Grilled Chicken
Meatballs
Garden Salad
Italian Green Beans
Garlic Bread
Tea and Coffee

Cost

\$20 members
\$5 students

RSVP Deadline

Monday, Apr 25th, noon
Contact: Patty Webb
405-945-3220
plwebb@osuokc.edu

RSVP is NOT required to attend the presentation.

Ruth Ann Armitage Biographical Sketch

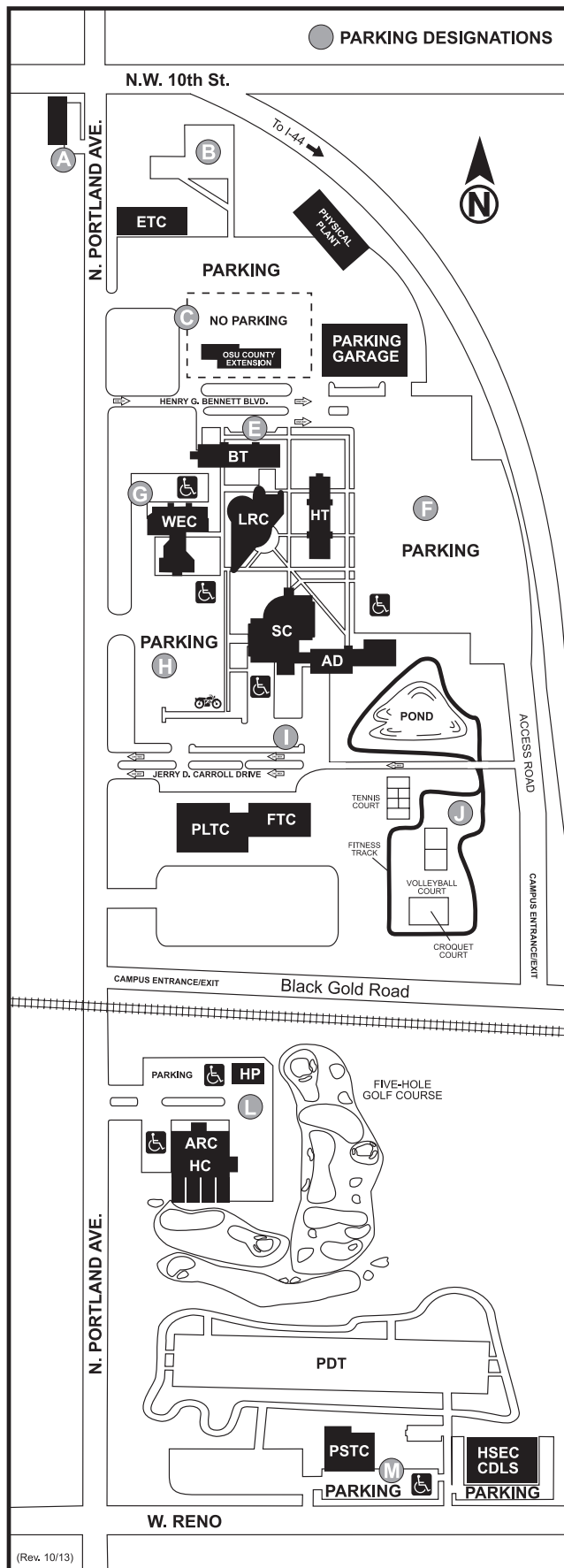
While still a chemistry student at Thiel College in Pennsylvania, Ruth Ann Armitage, now Professor of Chemistry at Eastern Michigan University, participated in an archaeological field school that confirmed her desire to combine these seemingly disparate disciplines. She completed a Ph.D. in Analytical Chemistry at Texas A&M University on radiocarbon dating of charcoal-pigmented rock paintings. She has since worked with archaeologists at historic and prehistoric sites around the world. Dr. Armitage and her students develop mass spectrometry methods to characterize archaeological materials, including rock paintings, dyes in ancient textiles, and ceramic residues to help archaeologists understand our ancient past.



OKLAHOMA CITY

Campus Map and Buildings

900 N. Portland Ave. • Oklahoma City, OK 73107 • (405) 947-4421 • info@osuokc.edu



AD - Administration

First Floor

- Institutional Assessment
- Institutional Grants/Institutional Effectiveness
- Print & Mail Services
- Purchasing Department
- Title III
- Wellness Center

Second Floor

- Academic Affairs Administrative Offices
- Administrative Conference Rooms
- Business and Industry Training & Economic Development Offices
- Business Services
- Communications and Marketing
- Finance and Operations
- Human Resources
- President's Office

ARC - Agriculture Resource Center

- Division of Agriculture Technologies
- Horticulture
- Veterinary Technology

BT - Business Technologies

First Floor

- Campus Security

Second Floor

- Information Services Administrative Offices

Third Floor

- Division of Business Administration
- Information Systems and Technologies

COEXT - County Extension

ETC - Engineering Technology Center

First Floor

- Division of Science and Engineering Technologies
- Math Department

Second Floor

- Cooperative Alliance

FTC - Oklahoma City Fire Training Center

HC - Horticulture Center

- All-America Trial Gardens
- Golf Course
- Greenhouses
- Turf Management Training Facility

HP - Horticulture Pavilion

HSEC - Human Services Education Center

- Child Development Lab School
- Early Care Education Department
- Division of Human Services
- Social Services Department

HT - Health Technologies

First Floor

- Cardiovascular Department

Second Floor

- Division of Health Sciences Offices
- Dietetic Technologies
- Nurse Science

Third Floor

- Science Department Office

LRC - Learning Resource Center

First Floor

- Information Services
- Technology Support Center

Second Floor

- Division of Initial College Studies
- Student Success & Opportunity Center (S.S.O.C.)
- Project REACH
- Student Computer & Tutoring Lab

Third Floor

- Division of Arts and Sciences

Fourth Floor

- Library

PDT - Precision Driving Training

PLTC - Oklahoma City Police Training Center

PSTC - Public Safety Training Center

- Bachelor of Technology-Emergency Responder Administration (BT-ERA)
- Center for Safety and Emergency Preparedness (CSEP)
- Precision Driving Training
- Public Safety Department

SC - Student Center

First Floor

- Admissions/Registrar Services
- Advisement Center
- Career Services
- Educational Talent Search
- Financial Aid and Scholarships
- Project SOAR
- Records
- Recruitment/Campus Tours
- Services to Students with Disabilities
- Student Services Administrative Offices
- Testing and Assessment
- Veterans' Services Center
- Welcome Center

Second Floor

- Bookstore
- Finish Orange OSU Office
- Student Government Association Office
- Student Life
- The Hub

Third Floor

- Blair Room
- Conference Center (North, South)
- Conference Room 304
- Cowboy Catering & Event Services
- J. Doug Pruitt Suite
- Mother's Room
- OSU Foundation
- Pistol Pete Room

WEC - West Education Center

First Floor

- Deaf Student Services
- Interpreter Training Program

Second Floor

- CNA Program
- Training and Development Center

Third Floor

- Upward Bound