

An REU site at James Madison University



Elizabeth A. Johnson, Anna M. Courtier, John T. Haynes, Anthony S. Hartshorn, Stephen A. Leslie, Kristen E. St. John, and Steven J. Whitmeyer

Department of Geology and Environmental Science, James Madison University, Harrisonburg, VA

One (of multiple...) REU sites

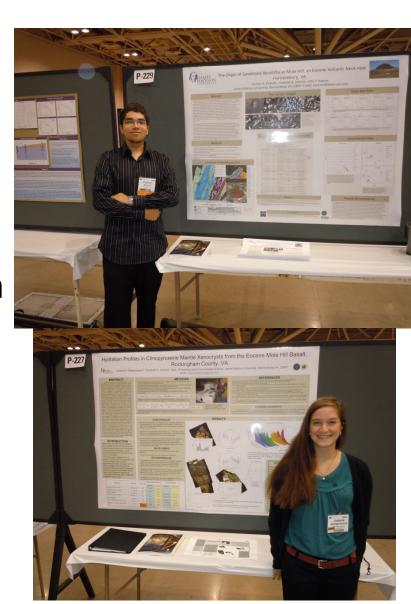
 EarthScope: IRIS Consortium Summer Internship Program

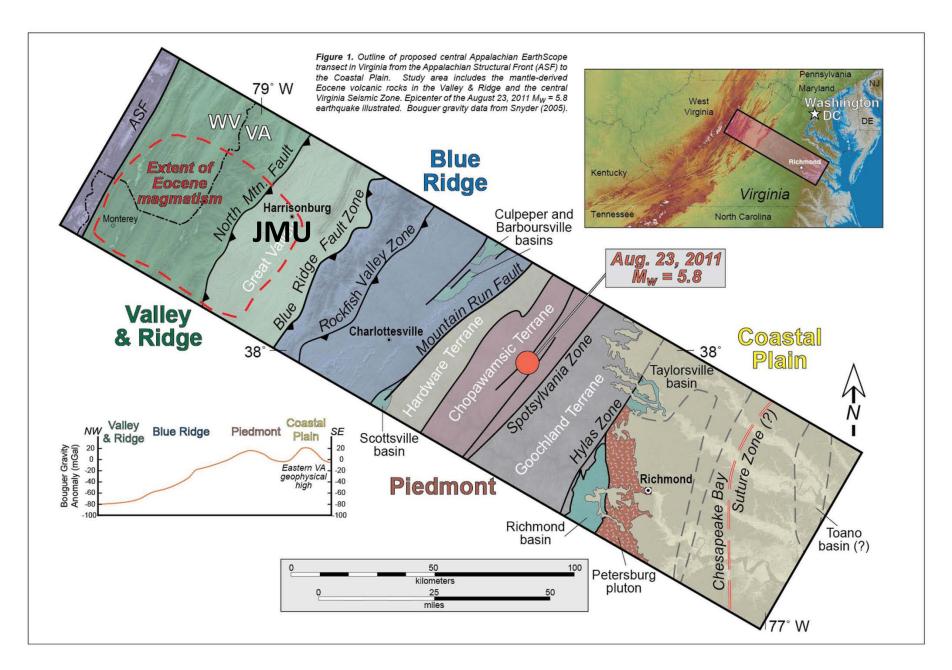
- GeoPRISMS: proposed similar network administered through Rice University
 - Alison Henning / Julia Morgan
 - 1-week orientation at Rice

Why JMU as an REU site?

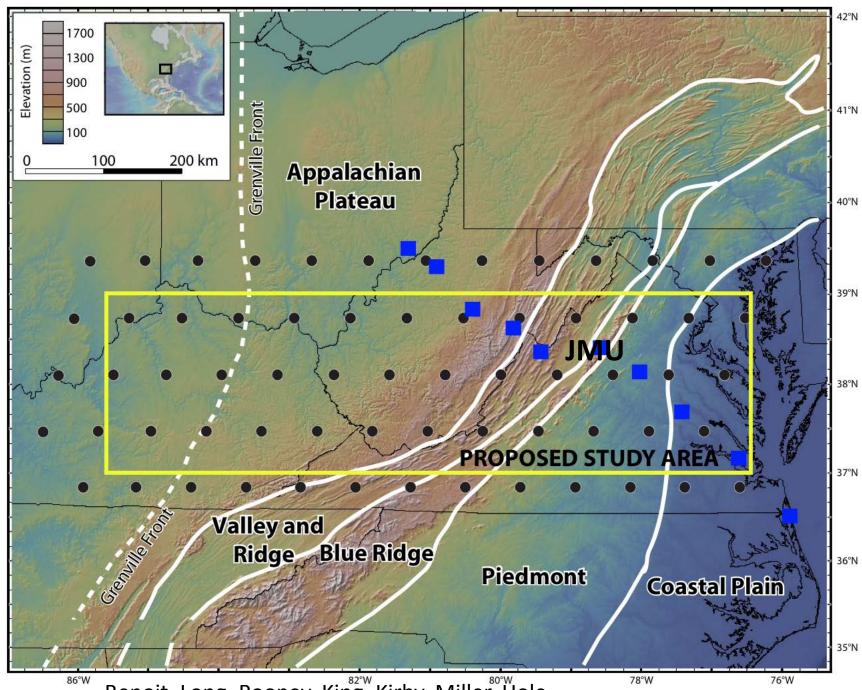
Goals

- Provide research experiences for students
 - attend graduate school
 - continue in careers in GeoPRISMS / Earthscope disciplines
- Strengthen existing research collaborations between institutions
- Create new collaborations and share instrumentation and equipment resources





Bailey, Courtier, Johnson, Whitmeyer



Benoit, Long, Rooney, King, Kirby, Miller, Hole

JMU REU Programs

- Materials Science (Physics Chemistry- Geology)
- Chemistry
- Biology
- Mathematics and Statistics

Work together with activities and final presentations



Table 1: Science and engineering doctorates		
earned by graduates of PUIs (2000-2009)		
1	Carleton College	503
2	Oberlin College	497
3	Wesleyan University	466
4	Cal Poly U- San Luis Obispo	455
5	Swarthmore College	445
6	Williams College	419
7	Reed College	371
8	Wellesley College	370
9	James Madison University	344
10	Harvey Mudd College	343
Data taken from NSE survey of earned		

Data taken from NSF survey of earned doctorates: http://webcaspar.nsf.gov/.

About JMU Geology and Environmental Science

- JMU: ~19,000
- Public Primarily Undergraduate Institution

- Geology and Environmental Science
 - 15 full-time faculty
 - ~125 majors in BS Geology and BA Earth Science
 - Undergraduate research projects for all students
 - Geoscience education
 - Connection to community colleges

JMU Resources

- Field Vehicles and Equipment
- Laboratory Equipment
- Connections to government agencies and laboratories
- Faculty dedicated to undergraduate education



JMU Geology Faculty Interested in REU



Anna Courtier
Geophysics
Structural
Seismology



Stephen LesliePaleontology,
Stratigraphy



Shelley
Whitmeyer
Coastal
Processes



John Haynes Sedimentary Petrology



Kristen St.
John
Paleoceanograp
hy, Paleoclimate



Tony
Hartshorn
Soils and
Landscapes



Elizabeth
Johnson
Igneous
Petrology &
Geochemistry



Steven
Whitmeyer
Structural
Geology



Eric PyleGeoscience
Education

One (of multiple...) REU sites associated with GeoPRISMS

IRIS Consortium Summer Internship Program

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