

K-16 Activities at Edgewood College, Edgewood High School, and Edgewood Campus School

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History of the Edgewood Schools

- ▣ Gift for Governor Cadwallader C. Washburn to Sinsinawa Dominican Sisters
- ▣ 1881: Edgewood Academy-Campus and High Schools
- ▣ 1927: Edgewood College-Junior college for women
- ▣ 1940: Four-year college
- ▣ 1970: Co-educational

Edgewood Campus School

- ▣ Pre-kindergarten through 8th grade
- ▣ Enrollment: 275



Edgewood High School

- ▣ Grades 9-12
- ▣ Enrollment: 610
- ▣ Percentage of college-bound students: 97%



Edgewood College

- ❑ FTE Undergraduates:
1400
- ❑ Total Undergraduates:
1900
- ❑ Total Enrollment:
2400



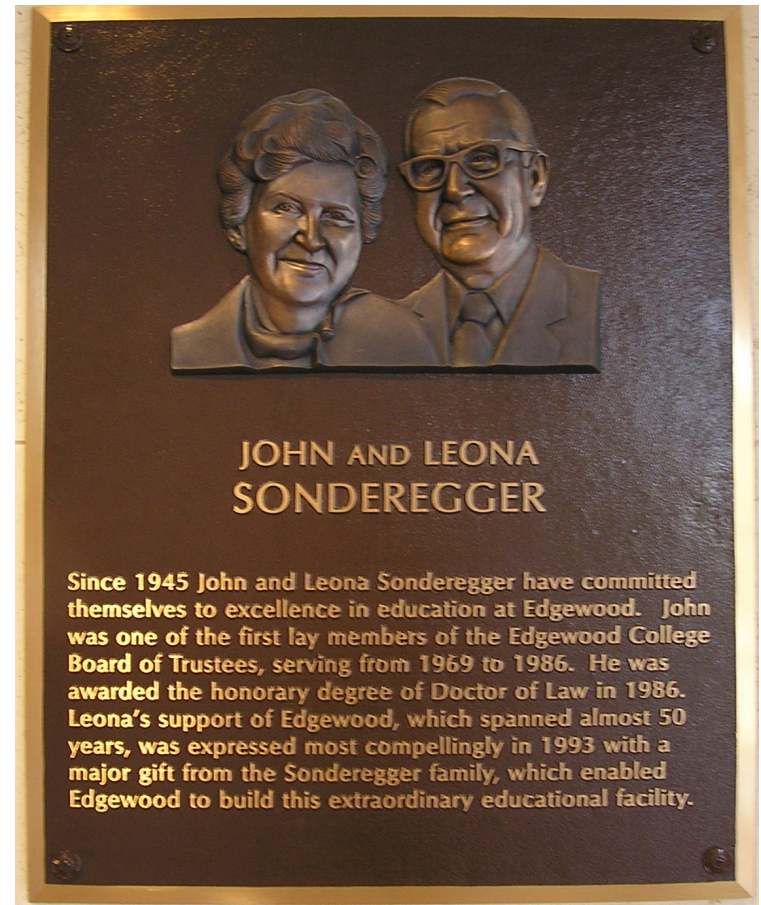


Edgewood, Inc.

- ▣ Created in 1954
- ▣ Governance body of all the Edgewood schools
- ▣ Right to sell or mortgage properties
- ▣ Approves building projects
- ▣ Approves any proposed changes in the mission of the college

Sonderegger Science Center

- ❑ Planning began in 1994
- ❑ Opened in 1999
- ❑ Built with funds donated by Leona and John Sonderegger
- ❑ Dedicated by Sally Ride
- ❑ Houses classrooms and laboratories for the sciences of all Edgewood schools



Sonderegger Science Center



Goals for K-16 Science Education

- ❑ K-16 national model for science education
- ❑ Interactive Science Education Exhibit Center activities
- ❑ Coordination of science activities between the three schools





Mission and Vision of the Interactive Science Education Exhibit Center

The mission of ISEEC is to instill, promote, and sustain interest in science at all levels from K-16 and beyond. The ISEEC is envisioned as the showcase for highlighting collaborative science education on campus involving the three institutions - college, high school, and grade school. It will also welcome participation from other interested individuals, organizations and the community at large.





Search for Science Center Director

□ Committee:

- One faculty member from each school
- One administrator from each school

□ Job Description:

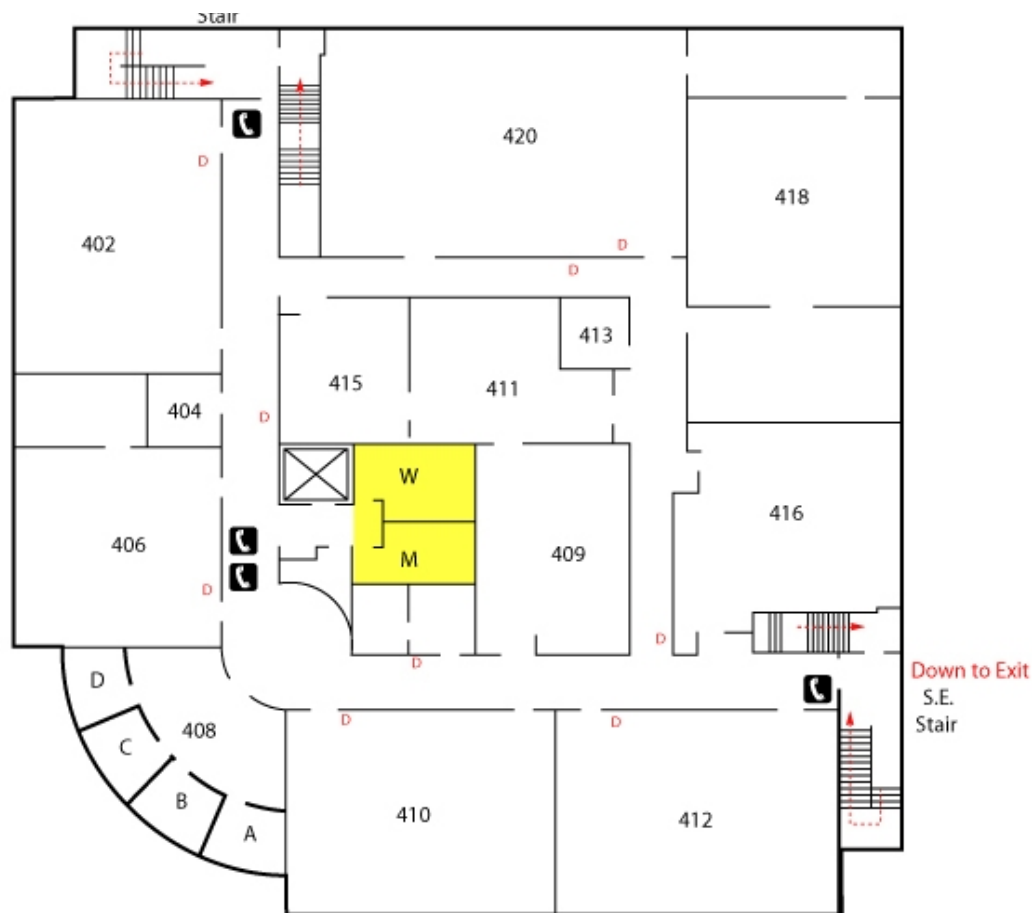
- Coordinate activities between schools
- Oversee Interactive Science Education Exhibit Center
- College faculty member
- Supervised by all three Edgewood Schools

Science Center Director



- Dr. Amy Schiebel
 - Ph.D. Science Education, University of Iowa
 - M.S. Geology M.A.T. University of Iowa
 - B.S. Geology, UW-Oshkosh
 - Former Junior High teacher

Chemistry 4th Floor of Sonderegger



National Chemistry Week

- Participants from all three schools:
 - Louise Stracener (K-2)
 - Eric Pantano, Bob Shannon, Derek Ralph (3-5)
 - James Goll (6-8)

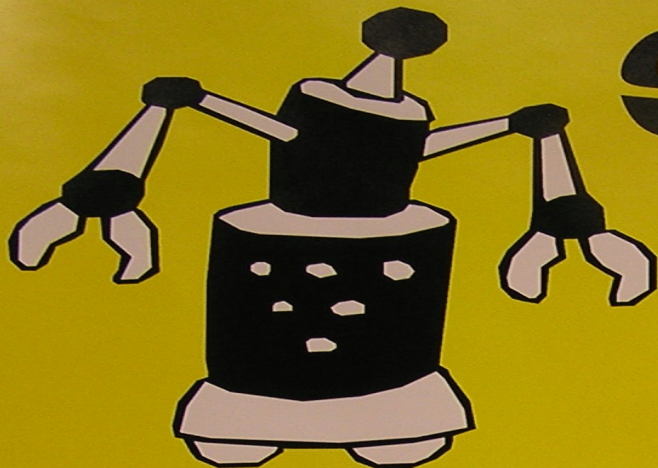








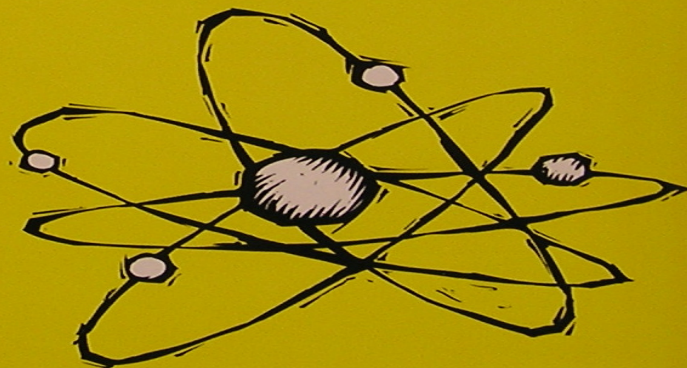
2ND ANNUAL FAMILY SCIENCE NIGHT!



MAY 3, 2004, 6:30-8:00 PM
SONDEREGGER SCIENCE CENTER
EDGEWOOD CAMPUS

EXPERIENCE REAL LIVE SCIENCE!

- Robots on Mars
- Snakes (the friendly kind)
- Human bones
- Amazing chemistry tricks
- Weird things that live in Lake Wingra
- How to get a strong grip
- How to stay safe from poisons
- Healthy snacks
- Falling in a vacuum
- Plus many more!



KIDS

(You know you want to come! So get your parents to read the next part ...)

PARENTS

Encourage your child's interest in science at this special family-friendly event. It's fun, educational, and free!

Your whole family will interact with scientists at 20 Exploration Stations. Refreshments provided.



Activities with High School Students

□ Floyd Rose III

Lab Experiences

□ Bridget Smith

Chemistry of Pottery

□ Possible future projects
with Eric Pantano's
class



Teacher Education



- Student Teaching
- Ready availability of experienced teachers
- Calico Schmidt



Possibilities

- ▣ High school students taking advanced college level courses-Organic, Analytical, Inorganic
- ▣ Improved science education for campus school
- ▣ Research with high school students
- ▣ Improve AP Chemistry



Outstanding Achievement

2004 AP Chemistry Reading

Recognition Is Hereby Bestowed Upon

James Goll for Best Laugh



Challenges

- ❑ Differing schedules for high school and college (6 day class rotation for high school)
- ❑ Autonomy of each institution
- ❑ Time for planning and preparation
- ❑ Recognition of K-16 work in faculty evaluation processes
- ❑ Value to the college



Suggestions

- ❑ Regular meetings of the faculties
- ❑ Define and identify opportunities for coordination between the schools
- ❑ Get college students to work with younger students (Human-issues projects)
- ❑ Buy-in from administrators, faculty essential for success
- ❑ Define how participation will be valued