2003-04

General Schedule

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112th Annual Meeting  
The Ohio Academy of Science  
Hosted by  
The University of Findlay  
Findlay, Ohio  
April 4-5-6, 2003

About the Annual Meeting  
The Ohio Academy of Science’s Annual Meeting is for academic, governmental, and industry scientists and engineers, university and pre-college educators and teachers, and pre-college, undergraduate, and graduate students, and interested lay citizens in the Ohio region. Annually workshops, symposia, an All-Academy Lecture, and field trips on local geology and plant sciences compliment the several hundred scientific presentations.

Welcome!  
The University of Findlay welcomes you to the 112th Annual Meeting of The Ohio Academy of Science. We invite you to explore our campus and to share in the excitement and opportunities provided in this program.

REGISTRATION: Registration is required for all meeting presenters and attendees. On-site registration will be available at a higher rate. To assure reservations for meals, The Ohio Academy of Science must receive forms by March 20, 2003. Please use Registration Form on the last page. Mail completed form and fee to:

OAS Annual Meeting Registration  
The Ohio Academy of Science  
PO Box 12519  
Columbus OH 43212-0519  
FAX 614/488-7629 (for Credit Card or PO only)

Registration by credit card or purchase order only will be accepted by FAX at 614/488-7629. Your registration materials, receipt, and name tag will be ready at the meeting registration desk upon your arrival. For further information, please call 614/488-2228.

An Adobe PDF form is available at:

http://www.ohiosci.org/FindlayRegistrationForm.pdf

Online payment option www.merchantamerica.com/ohiosci

Friday, April 4: Your registration materials will be available at the door if you will be attending the Friday evening dinner in the Alumni Memorial Union.

Saturday, April 5: Registration in the Alumni Memorial Union from 8:00AM-3:00PM. On-site registration is possible by check, VISA, or MasterCard. Cash is discouraged.

Special Acknowledgments: The Ohio Academy of Science expresses its appreciation to Metcalf & Eddy for financial support of the Saturday, April 5 Science Policy Breakfast.

PARKING: Free parking is available in lots located off Frazer Street south of the Alumni Memorial Union.

SMOKING POLICY: Smoking is not permitted in any building on campus.

MEALS: Friday, April 4: Pre-registration required by March 15 for The Ohio Academy of Science Annual Meeting Dinner. Saturday, April 5: Metcalf & Eddy hosted Science Policy Breakfast, by invitation only. Lunch will be available for $4.50 advance price or onsite for $5 in the Henderson Dining Hall. There is no Saturday evening meal.

HOUSING: Please contact hotels and motels directly. See list on page 4.

GENERAL SCHEDULE

Friday, April 4, 2003

3:00 PM  The Ohio Academy of Science Board of Trustees Meeting  
Alumni Memorial Union

6:00 PM  Annual Dinner  
Alumni Memorial Union

7:30 PM  Special Public Address  
Alumni Memorial Union

DR. PAUL P. REGA  
Toledo Hospital Emergency Physician and Medical Supervisor for the Toledo Disaster Medical Assistance Team  
Program Manager, Public Health/Medical Community, University of Findlay Center for Terrorism Preparedness

Saturday, April 5, 2003

7:30 AM  Metcalf & Eddy hosted Science Policy Breakfast  
(by invitation only; must be pre-registered)  
Endly Room  
Alumni Memorial Union

Special Guests: 2002-2003 Academic year Environmental Science and Environmental Engineering Undergraduate Scholarship Recipients

8:00AM-3:00PM  General Meeting Registration  
Lobby of Alumni Memorial Union

9:00 AM-11:00 AM  Morning poster session in the Alumni Memorial Union and podium presentations in the William B. Brewer Science Center
Workshop: Introduction to the General Linear Model: Applications for Individual Research Questions and Decision Making
Malcolm Lecture Hall, Brewer Science Building

Arranged and conducted by Dr. Isadore Newman
Assisted by Heather K. Guthrie
The University of Akron

Goal 1: To demonstrate the flexibility, power and ease of using the General Linear Model to reflect research questions.
A. To demonstrate how to state research questions in common language.
B. To teach how to write models to reflect these research questions.
C. To demonstrate the set up of a SAS program and interpretation of the printout.
D. To explain the relationship between regression and t tests, ANOVA, ANCOVA, dependent t tests, repeated measures, trend analysis, curvilinear relationships and path analysis.

Goal 2: To demonstrate application of the General Linear Model by having the audience share their research questions and developing models that will reflect those questions.

Value: This workshop will show how the multiple linear regression technique frees the researcher from wondering if an analysis can be done and refocuses him or her back to the central concern: the research question itself.


Presenter's Experience: Isadore Newman received his PhD in educational psychology with a specialty in statistics and measurement from Southern Illinois University in 1971. He has been a professor at the University of Akron since 1971. During his professional career he has served on over 300 dissertation committees and has presented hundreds of papers at state, national and international meetings. He has written 9 books and monographs and has served on many editorial boards, in addition to being the editor of Multiple Linear Regressions: Viewpoints, the Midwestern Educational Researcher, and Editor of The Ohio Journal of Science.

9:30 AM - 11:00 AM
Lunch
Lunch will be available onsite for $5 in the Henderson Dining Room

1:15 PM
OFFICIAL NOTICE
of Annual Business Meeting
for Academy Members Only
Alumni Memorial Union
2:00 PM-5:00 PM  Afternoon poster and podium presentations

2:00 PM  PANEL DISCUSSION

Ohio's Homeland Security: Bioterrorism and Emerging Health Threats

Mr. Randy Van Dyne, Moderator; Director, School of Environmental and Emergency Management, The University of Findlay

Dr. Steve Wagner, Chief, Bureau of Environmental Health, Ohio Department of Health

Dr. Michael Biesi, Department of Environmental and Occupational Health, Medical College of Ohio

Dr. Todd Stewart, Director, Program for International and Homeland Security, The Ohio State University

Dr. David Robinson, Vice President, Battelle Memorial Institute, Aerosol Engineering and Biodefense Sciences

Ms. Judy Cantwell, Executive Director, Hancock County American Red Cross, Member of the National Red Cross Disaster Team

Sunday, April 6, 2003 Field Trip

9:00 AM-12:00 Noon

Field Trip to Environmental Resource Training Center

The National Center of Excellence for Environmental Management (NCEEM) invites you to explore the Environmental Resource Training Center (ERTC) facilities field site. ERTC has a staff of 45 field-experienced specialists in areas such as emergency response, industrial hygiene, spill containment, and hazardous materials management. Staff will facilitate hands-on demonstrations and problem-solving activities. The outdoor five-acre site located on the Fostoria Road (SR 12) about five miles east of the main campus, includes eight full-size railroad cars, a stream/pond system, well testing, and mock dumpsites. Meet at 9:00 AM in the circle drive east of the Old Main building on campus and then proceed to the NCEEM.

About Our Host

Dr. Kenneth E. Zirkle is President of The University of Findlay. He welcomes all meeting attendees to Campus.

Ms. Rita Inman serves as Chair of Local Arrangements.

The University of Findlay is a flexible, forward-looking institution that is constantly seeking ways of better serving students and the community. Education at The University of Findlay is offered in formats that accommodate students of all ages and their time-pressured lifestyles.

The University of Findlay has more than 60 majors leading to baccalaureate degrees and seven master's degrees. Unusual and well-recognized programs include equestrian studies, pre-veterinary medicine, nuclear medicine technology, occupational therapy, physical therapy, physician assistant, intergenerational studies and technology management, as well as environmental, safety and occupational health management. Business, education, equestrian studies (English and western), pre-veterinary medicine, technology management and criminal justice administration have the largest enrollments.

The University of Findlay offers a master of arts in education, a master of arts in teaching English as a second language (TESOL) and bilingual education, a master of business administration, a master of science in environmental management, a master of physical therapy, a master of occupational therapy and a master of arts in liberal studies. Both the MBA and Master of Science in environmental management are offered entirely online, in addition to classes held on campus.

As a result of focus on innovation and service, enrollment at Findlay has grown dramatically from a total of 2,606 students in 1990-91 to 4,586 in 2002-2003. The University also has a significant number of international students studying on campus, with 426 students from 41 countries enrolled in 2002-2003.

The University of Findlay is a private institution founded by the Churches of God, General Conference, and the city of Findlay in 1882. The University of Findlay is located in a small city that is pleasant and progressive. The University of Findlay is accredited by the Higher Learning Commission, the Ohio State Board of Education and the national accrediting organizations for teacher education, nuclear medicine, physical therapy, occupational therapy, physician assistant and social work.

Hotel/Motel Listing for Findlay, Ohio

Findlay Inn and Conference Center
200 East Main Cross Street
419-422-5682
www.findlayinn.com

Holiday Inn Express
941 Interstate Drive
419-420-1776
www.holidayinnexp-findlay.com

Cross Country Inn
1951 Broad Ave.
419-424-0466
www.crosscountryinns.com

The Hampton Inn
921 Interstate Dr
419-422-5252
www.hamptoninn.com

Country Hearth Inn
1020 Interstate Court
419-423-4303

Ramada Inn
820 Trenton Ave.
419-423-8212

Hawthorne Suites
2355 Tiffin Ave.
1-800-599-7869
www.pinnaclehotelsusa.com

Fairfield Inn by Marriott
2000 Tiffin Ave.
419-424-9940