General Schedule

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113th Annual Meeting
The Ohio Academy of Science
Meeting jointly with the
Ohio Branch of
The American Society for Microbiology (OBASM)
Hosted by
Youngstown State University
April 16-17, 2004

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.

Welcome!
Youngstown State University welcomes you to the 113th 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.
The Ohio Academy of Science must receive forms by April 7, 2004.
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/YSURegistrationForm.pdf
Online payment option www.merchantamerica.com/ohiosci

Friday, April 16, 2004
2:00 PM-4:00 PM  The Ohio Academy of Science
Board of Trustees Meeting
Presidential Suite, Kilcawley Hall

5:00 PM-6:00 PM Welcoming Reception
Lobby of Moser Hall

6:00 PM Annual Address by the
President of The Ohio Academy of Science
Schwebel Auditorium in Moser Hall

by Robert T. Heath, Ph.D.
President
The Ohio Academy of Science
2003-2004

Bob Heath is Professor of Biological Sciences and Director of
the Water Resources Research Institute at Kent State University.
He received his B.S. in pre-medical studies from The University
of Michigan in 1963 and his Ph.D. in biophysics from the University of
Southern California in 1968. He conducted postdoctoral research in
molecular biology at the California Institute of Technology until joining
the faculty at Kent State in 1970. Wanting to apply biochemical and
molecular biological approaches to problems in freshwater ecology, he
did his first sabbatical with Prof. Eugene P. Odum at the University of
Georgia. He is a microbial ecologist currently investigating the role of
natural bacterial assemblages in plankton communities of the North
American Great Lakes, primarily Lake Erie. He studies energy flow
and Carbon and Phosphorus dynamics in nearshore and offshore pelagic
habitats. Bob is a Lifetime Member and a Fellow of The Ohio Academy
of Science.

Saturday, April 17, 2004
8:00AM-3:00PM  General Meeting Registration
Lobby of DeBartolo Hall

9:00 AM -11:00 AM  Morning poster and podium sessions in DeBartolo Hall

11:15AM  All Academy Lecture
Auditorium, DeBartolo Hall

Intellectual Property: Essential Capital for the New Economy
PANEL
Dr. Robert Bolla, Dean
College of Arts and Sciences
University of Dayton Law School

Dr. Gretchen Ann Bender
Others to be announced

12:15 PM  Lunch
Various restaurants nearby and in Kilcawley
Center and Winstead's cafe near Butler Museum of Art

1:15 PM  OFFICIAL NOTICE of Annual Business Meeting
for Academy Members Only
Room 260, DeBartolo Hall

SMOKING POLICY: Smoking is not permitted in any building.

MEALS: Friday, April 16. Hosted Open Reception followed by Annual
Address by the President of The Ohio Academy of Science. There is no
Friday evening banquet. Saturday, April 17. Lunch available on campus
and nearby. Saturday evening dinner for members and guests of OBASM.
Contact Dr. Chet Cooper at Youngstown State University: Phone 330-
941-1361; fax 330-941-1483 or by email creepo001@ysu.edu

HOUSING: Contact hotels and motels directly. See list on page 4.
About Our Host

Chairperson, Local Arrangements: DR. CHESTER R. COOPER, JR. IS AN ASSISTANT PROFESSOR OF BIOLOGY AT YOUNGSTOWN STATE UNIVERSITY.

About Youngstown State University

For almost a century, Youngstown State University (YSU) has prepared its graduates to become leaders in the region, the state, and the nation. Located on a beautiful 140-acre campus near downtown Youngstown, Ohio, YSU offers its students a comprehensive selection of major programs backed by a strong tradition of teaching and scholarship. YSU's diverse student body of 12,698 and a student-faculty ratio of 19:1 provide the personal contact associated with a smaller institution, and its connection to the Ohio state system of higher education enables it to draw on the vast resources of that system. The average undergraduate class size is 27 for lectures and 9 for labs. Youngstown State seeks to offer its students a vital living and learning environment with a relatively small, cohesive classroom and a wealth of curricular and cocurricular activities. Attractive residence halls house close to 1,000 students and include a special residential honors facility. A privately operated apartment complex, University Courtyard Apartments, offers a variety of living arrangements to 400 YSU students within easy walking distance of the center of campus. Student activities abound, with more than 130 student organizations, including social sororities and fraternities, and opportunities for participation in theater, performing groups, student publications, intramural and intercollegiate athletics, and activity planning. Youngstown State University competes in NCAA athletics and in the past decade, has captured four Division I-AA national football championships. During the same decade, the women's basketball team won five Mid-Continent Conference titles and played three years in the NCAA tournament. The University fields ten women's and eight men's intercollegiate Division I teams. Fitness and recreational facilities are free to all YSU students in the Beeghly Physical Education Center and the Stambaugh Sports Complex, including track, tennis, swimming, racquetball, basketball, handball, Nautilus, aerobic conditioning, and free weights.

Of the 12,698 students at YSU, 11,375 are undergraduates. Multicultural students make up 13 percent of the student body and international students hail from fifty-five countries. Students benefit a wide range of student services: complete tutorial assistance in all subject areas, with special centers for writing, study skills, reading, and mathematics; counseling and health services; career testing, planning, and placement; special programs for multicultural, women, and adult students (those older than 25); and an orientation program that includes mentoring by faculty and staff members and upperclass students.

The University seeks a balance between teaching, service, and scholarly activity that serves both its students and the larger community of scholars. The University is committed to keeping its doors open to all who seek higher education and equally committed to giving students every opportunity to enrich their minds, develop their creativity and problem-solving abilities, and become informed, conscientious citizens of the world.

Location

Youngstown is at the center of a metropolitan area of 600,000, located 60 miles from both Pittsburgh and Cleveland. The campus is within easy driving or walking distance of restaurants, shopping centers, museums, and parks. The University is a major contributor to the city's cultural and recreational vitality, each year presenting hundreds of concerts, exhibits, lectures, performances, and athletic contests. The city offers an outstanding symphony orchestra, three community theaters, a vital arts community, and unlimited recreational options provided by 2,500-acre Mill Creek Park, located a mile from the campus. YSU students can take advantage of close ties to area businesses for internships and work co-op programs, which provide valuable on-the-job experience.

Academic Programs

Youngstown State University is one of a few comprehensive metropolitan institutions in Ohio that provide associate, baccalaureate, and graduate instruction and continuing education in one location. Currently, the University offers a broad curriculum in the School of Graduate Studies and six colleges: Arts and Sciences, Business Administration, Education, Engineering and Technology, Fine and Performing Arts, and Health and Human Services. The spirit of cooperation among departments and colleges permits students to pursue interdisciplinary majors and minors, to major in one department or college and minor in another, or to pursue double majors. An individualized curriculum program is available to students whose needs are not met by existing conventional programs. Students may design curricula to suit their particular needs, allowing alternative paths for earning the undergraduate degrees currently offered.

Majors and Degrees

The College of Arts and Sciences offers majors in Africana studies, American studies, anthropology, biology, chemistry, computer information systems, computer science, earth science, economics, English, environmental studies, French, geography, geology, history, information technology, Italian, journalism, mathematics, philosophy, physics/astronomy, political science, professional writing and editing, psychology, religious studies, social studies, sociology, and Spanish.

The Beeghly College of Education offers majors in early and middle childhood education, gifted and talented educational specialist studies, multiage education (with specialized teaching fields), adolescent/young adult education (with specialized teaching fields), vocational education, and special education.

The Rayen College of Engineering and Technology offers majors in chemical engineering, civil engineering (structural and transportation option and environmental option), civil and construction engineering technology, drafting and design technology, electrical and computer engineering, electrical engineering technology, electric utility technology, industrial and systems engineering, mechanical engineering, and mechanical engineering technology.

The College of Fine and Performing Arts offers majors in studio art, art history, music/history and literature, music education, music/ performance, music theory, music composition, communications studies, telecommunication studies, and theater.

The Bitonte College of Health and Human Services offers majors in allied health, Army and Air Force ROTC, clinical laboratory science, clinical laboratory technology, community health, criminal justice, dental hygiene, dietetic technology, emergency medical technology, family and consumer sciences education, exercise science, family and consumer studies, food and nutrition, health science, histotechnology, hospitality management, medical assisting technology, merchandising (fashion and interiors), nursing, nursing home administration, physical education, prekindergarten, pre—physical therapy, respiratory care, social service technology, and social work.
The Williamson College of Business Administration offers majors in accounting, advertising and public relations, business economics, finance, general administration, human resource management, management, management information systems, marketing, and marketing management.

Associate degrees are offered with concentrations in accounting, finance, labor studies, management, and marketing. Interdisciplinary minors are offered in gerontology, linguistics, peace and conflict studies, professional ethics, statistics, and women’s studies. Students may also enroll for a combined B.S./M.D. program with the Northeastern Ohio Universities College of Medicine. Each student successfully completing this program is awarded the Bachelor of Science degree from Youngstown State University and the M.D. degree from the College of Medicine.

Academic Facilities

Maag Library houses more than a half-million books and more than 200,000 government documents and subscribes to more than 3,100 periodicals and scholarly journals. Online research services provide access to all state university libraries in Ohio and a wide range of other information sources. The library’s resources are augmented by the Curriculum Resource Center in the College of Education. A Multimedia Center, housed in Maag Library, offers research materials in a variety of formats. Comprehensive computing facilities are readily available to students throughout the campus. Scientific laboratories at YSU are fully outfitted with up-to-date instructional and research equipment. Studios and performance halls in the College of Fine and Performing Arts have been recently renovated for acoustic excellence, and the McDonough Museum of Art is an innovative exhibit space for student and faculty work.

Youngstown Area Housing

Days Inn Youngstown
1610 Motor Inn Dr
Girard, OH 44420
Telephone: 330.759.3410
URL: http://www.daysinn.com

Hampton Inn Youngstown/Boardman
7395 Tiffany South
Poland, OH 44514
Telephone: 330.759.5191
URL: http://www.hamptoninn.com

Econo Lodge Girard
1615 E Liberty St
Girard, OH 44420
Telephone: 330.759.9820
URL: http://www.econolodge.com

Fairfield Inn
7397 Tiffany South
Poland, OH 44514
Telephone: 330.726.3979
URL: http://www.fairfieldinn.com

Hampton Inn Youngstown North
4400 Belmont Ave
Youngstown, OH 44505
Telephone: 330.759.9555
URL: http://www.hamptoninn.com

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<th>Restaurant</th>
<th>Address</th>
<th>Telephone</th>
<th>URL</th>
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<tr>
<td>Arby's</td>
<td>3560 Western Ave, Boardman, OH 44512</td>
<td>330.759.9330</td>
<td><a href="http://www.arby's.com">http://www.arby's.com</a></td>
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<tr>
<td>Buffalo Wild Wings</td>
<td>5400 Market Ave, Youngstown, OH 44505</td>
<td>330.759.5191</td>
<td><a href="http://www.buffalowildwings.com">http://www.buffalowildwings.com</a></td>
</tr>
<tr>
<td>Inner Circle Restaurant, 318 Elm Street</td>
<td>Corner of Elm Street and Lincoln Avenue, Youngstown, OH 44505</td>
<td>330.759.5191</td>
<td><a href="http://innercircle.com">http://innercircle.com</a></td>
</tr>
<tr>
<td>Little Jimmy's Pizza</td>
<td>135 Lincoln Avenue, Youngstown, OH 44505</td>
<td>330.759.5191</td>
<td><a href="http://littlejimmypizza.com">http://littlejimmypizza.com</a></td>
</tr>
<tr>
<td>McDonalds</td>
<td>570 Fifth Avenue</td>
<td>Youngstown, OH 44505</td>
<td><a href="http://mcdonalds.com">http://mcdonalds.com</a></td>
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Maps will be made available at the meeting registration table.

NOTES

Friday's Welcoming Reception from 5:00-6:00 PM will be in Lobby of Moser Hall followed by the 6:00 PM Address of The President of The Ohio Academy of Science.

The Mineral Museum will be open during the social hour and there will be free planetarium show tickets for performances at 7:00 PM and 8:00 PM available during the social hours in the Moser Hall Lobby.

Saturday night's meal for OBASM will be in the Chestnut Room of Kilcawley Center. OBASM welcomes Academy members. Cost of the buffet dinner is $16.00. Reservations MUST be made to Dr. Chet Cooper no later than Friday, April 9th. Payment can be made at the door, but prior reservations are REQUIRED.

Phone 330.941.1361.
Email crcooper.01@ysu.edu