TAKE OUR DAUGHTERS AND SONS TO WORK DAY

Sponsorship and funding provided by the Office of the Vice Provost for Educational Equity, the Office of the President, the Office of the Executive Vice President and Provost, the Office of University Relations, the Penn State Office of Human Resources, the Office of The Senior Vice President for Finance & Business/Treasurer, and the Penn State Educational Office Professionals.

Program Schedule

7:15AM
Registration and Continental Breakfast
Main Floor Lobby, The HUB-Robeson Ctr.

8:00AM
Travel to sites
Site Visits (up to three may be scheduled)

8:30AM - 9:15AM
Session 1

9:45AM - 10:30AM
Session 2

11:00AM - 11:45AM
Session 3

12:15PM - 1:30PM
Luncheon
Speaker: Dr. O. Richard Bundy
Avocation or a vocation? That is the question!
President's Hall, The Penn Stater Conference Center Hotel

1:30PM - 5:00PM
Arranged by parent/mentor

Our Speaker:

Dr. O Richard Bundy earned a B.S. degree in music education from the Pennsylvania State University in 1970. After three years as a a trombonist with the United States Continental Army Band, became band director/instrumental music instructor for the Iroquois School District in Erie, PA. Dr. Bundy completed the Master of Music degree at the University of Michigan before returning to Penn State in 1980 as a doctoral student in music education, and graduate assistant with the Penn State Blue Band. He completed doctoral studies in 1987. Currently a Professor of Music Education, Dr. Bundy has served on the faculty of the Penn State School of Music since 1983. In 1996, he was appointed director of the nationally renowned Penn State Marching Blue Band. In addition to administrative duties as Director of Athletic Bands, Dr. Bundy also conducts the Concert Band and teaches courses in conducting, marching band techniques, and instrumental music education, and has served as Assistant Director of the School of Music.

UNIVERSITY POLICIES

Access—Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing special accommodations or have questions about the physical access provided, please contact Linda Tobin at 814-863-4606 before your visit.

Cancellation—The University may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the University will refund registration fees.

Questions? Contact Linda Tobin at lpt10@psu.edu or 814-863-4606

This publication is available in alternative media on request. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce. U.Ed. HUM13-9
A message from Penn State’s President

Penn State again offers our youth the opportunity to explore the working world and discover career possibilities through Take Our Daughters and Sons to Work Day. This event provides our next generation with a better understanding of what opportunities are available to them as they consider their futures. It broadens their views, builds self-confidence, and nurtures dreams.

Helping our daughters and sons reach their full potential is important not only for parents, but for our University and community as well.

I encourage faculty and staff at Penn State to bring their daughters and sons to work. The University welcomes this chance to foster the aspirations of the next generation.

Dr. Eric J. Barron, President, The Pennsylvania State University

PROGRAM NUMBER

1. Advanced Materials Processing Laboratory (AMPL), Department of Materials Science and Engineering, 7 Hosler Building (ground floor, rear of building)

Everything you see or touch is a material, whether it is natural or man-made. Materials scientists improve our daily lives by developing new materials and enhancing the properties of existing materials. Examples include miniaturization of electronic devices (think cell phones) and biomaterials for joint replacements and soft drug delivery. Come explore shape memory alloys, superhydrophobic polymers and space shuttle tiles in the Department of Materials Science and Engineering.

2. Anthropology, Matson Museum, Carpenter Building (second floor)

The activities planned for this event will be determined by the interests and knowledge bases of the volunteers from the department. Previous years have featured biological anthropology topics such as a lesson about the evolution of the skull in primates and humans using real skull and plaster skull casts, as well as a lesson explaining body size and coloring differences between males and females in the animal kingdom. Previous anthropology topics have included activities such as showing how sites are excavated and explaining how archaeologists determine the age of human remains and artifacts found at archaeological sites.

3. Department of Architectural Engineering, The Immersive Construction Lab, 306 Engineering Unit C

Computer aided design, building information modeling, and 3D immersive displays provide a powerful environment for designing greener and more energy efficient buildings. We will demonstrate case studies using 3D glasses and show how the lab is used by integrated design teams to help model buildings in a holistic way that helps reduce energy use. Learn more about these tools and how they are currently being used for both teaching and research at Penn State.

4. Blue Band, Blue Band Building, Services Road

Come tour the building that houses the Blue Band. Tour throughout the building with stops in: the instrument storage room, the uniform and locker rooms (try on a uniform or even the drum major’s hat), the band rehearsal hall (watch pregame/halftime on the big screens), and all while learning the traditions and history of our beloved Blue Band with photos and memorabilia throughout the building!

5. Breazeale Nuclear Reactor, Breazeale Nuclear Reactor Building (walkway entrance from Bigler Road)

Find out how nuclear technology is used to produce electricity, explore space, see the inner workings of the hydrogen fuel cell, solve mysteries and provide an understanding of our bodies and our environment. PLEASE NOTE: ADULTS NEED PSU ID OR GOVERNMENT-ISSUED PHOTO ID.

6. Printmaking Area, School of Visual Arts, 102 Patterson Building

If you are interested in art and would like to experience printmaking first hand, then please join the print students in the SoVA Water-based Silkscreen Studio and print your own t-shirt. We will provide the t-shirt but you will need to use your own creative energy to choose the design and color combinations from our available options.

7. Center for Arts & Crafts, 3 Rittenour Building

Learn about the variety of noncredit adult art classes and the innovative children’s summer art camps that the Penn State Center for Arts & Crafts offers to the community. Learn about LateNight Penn State Creative Crafts and other programs. Show your creative side and participate in a fun art project!

8. Office of Human Resources, Center for Workplace Learning & Performance, 501 James M. Elliott Building

Did you ever wonder how great teams, performers, and companies reach the top? Not because of one individual—it takes the collective efforts and talents of many. Come discover your unique strengths and how your ideas contribute to the success of those around you, creating positive change. What do spaghetti and marshmallows have to do with it? Come find out!

9. Penn State Bookstore, HUB-Robeson Center, Lower Level

At the start of each semester, almost every student makes a visit to the bookstore on campus. Most go to buy textbooks, but they purchase other items as well. How then, does this store differ from a traditional retail store? Does it sell textbooks, but they purchase other items as well. How then, does this store differ from a traditional retail store? Does it sell textbooks, but they sell textbooks as well? If you are interested in learning more about the role of the Penn State Bookstore, come and experience the full range of offerings.

10. Extreme Events Lab, College of Information Sciences & Technology, Room 211 IST Building

The Extreme Events laboratory fuses data collection from hard sensors—computers, radar and other equipment—with observations collected by people and shared through outlets such as YouTube, Twitter, and the local news media. Research is conducted in areas including decision making, intelligence analysis, and crisis communications. A visit to the facility will include an introduction to an 8 x 6 immersive 3D display system, a collaborative touch-driven interface system, a 3D printer, a haptic pen input device, sonification capabilities and more. Among the several planned activities, you will get to wear 3D glasses to view virtual environments, watch a 3D printer in action and drive Google Earth via touch table.
24. Office of Housing & Residence Life, Chace Hall (Main Lobby)
The Office of Housing & Residence Life deals with all aspects of on-campus student living, from
new student orientation and social programming, to maintenance issues and building projects. This
session will provide a brief overview of staff responsibilities and an opportunity for the participants
to tour their own residence hall within a budget and in a group setting. We will also be touring
the newest residence hall area that includes private bathrooms, kitchen area, wireless study areas, and
a big screen TV.

25. Office of Physical Plant (OPP) Careers, Physical Plant Building
(front lobby, Park Avenue)
OPP designs, builds, and maintains Penn State buildings and support systems. Women and men
are employed as architects, engineers, landscapers, and in many other roles. Meet OPP employees,
learn about their jobs, and learn about environmental initiatives at OPP. Learn about the many services
performed by Physical Plant and explore new career possibilities. Learn about Penn State's
environmental projects.

26. Office of Physical Plant, Recycling Tour
(front entrance to HUB on Pollock Road)
What does Penn State do with all that trash? Accompany the supervisor of Central Support Services
and learn about the services they provide. You will travel around campus in a van to visit the Bar Pit, the compost site, the new compost site, and the clean-fill site.

27. Office of Physical Plant (OPP), Steam Services, East Campus Steam Plant
(front entrance)
You will see the inside of Penn State University's East Campus Steam Plant. Built in 1971 and
upgraded with a new high-efficient Combustion Turbine in 2010, the ECS is one of two energy
plants that supply steam and electricity to more than 200 buildings at University Park. Hear from an
experienced staff of tradesmen, administrative support, supervision, engineers and professors on how it's
done in a safe, reliable and efficient way! (NOTE: THIS LOCATION IS OFF OF PORTER ROAD.)

28. Palmer Museum of Art, Curtin Road
Have you ever thought about working in a museum? If your answer is "yes," then please join
members of the Palmer Museum of Art staff for a tour of the permanent collection and special
exhibitions! Each staff member will talk about his or her role in the museum while guiding you
through the galleries.

29. Penn State All-Sports Museum, Beaver Stadium (Curtin Road entrance)
The All-Sports Museum honors the student-athletes and coaches through history who have helped
make Penn State's intercollegiate athletic program one of the best in the nation. Inside the Museum,
the inspirational story of men's and women's sports at Penn State is shown in dramatic visuals that cover
the walls from floor to ceiling. Presentation by Penn State Athletics staff about their career in Athletics.

30. Food Service - Bakery, Housing & Food Service Building (front door, lobby)
Penn State Bakery produces everything from cookies to wedding cakes. The unique Penn State
Bakery is one of the largest university food service providers in the country. Beginning their day
at 3:30 AM, these folks supply daily baked goods to five dining halls, Campus Catering, The Penn State Conference Center Hotel and The Nittany Lion Inn. Parents of college students can call into the "Cookies and Cakes from Home" program to have packages delivered to their children! Come
tour this facility and find out more—maybe even taste some goodies.

31. State College Spikes, 112 Medlar Field at Lubrano Park
The Spikes and Penn State University collaborated on a unique and mutually-beneficial working
relationship with the building of the new state-of-the-art ballpark. The Penn State varsity baseball
team plays its home schedule from March through May, while the Spikes '38-game New York-
Penn League schedule runs from mid-June to September. Believed to be one of the first of its
kind in the country, this unique partnership not only benefits Penn State Athletics and the State
College Spikes, but also the University as a whole, the State College community and all of
Central Pennsylvania.

32. The Penn Stater Conference Center Hotel, 215 Innovation Blvd.,
Innovation Park (Front desk, entrance on right side of building)
Like to travel? Your tour of The Penn Stater will explore the variety of careers available in the fascinating hospitality industry: lodging, operations, food and beverage, sales, conference services, business services, human resources and more! Working in a hotel provides virtually unlimited opportunities for advancement. The Penn Stater is central Pennsylvania's premier conference
destination, featuring full-service luxury hotel accommodations and state-of-the-art conference
facilities.

33. College of Nursing, 1 Health & Human Development (HHD),
East Ground Floor Simulation Lab
Explore the learning environment used to prepare students for clinical registered nurse and nurse
practitioner careers by touring the Simulation Laboratory. Talk to nursing students, faculty,
and academic advisors to learn about the many diverse career and academic opportunities in the field
of nursing and nursing research.

34. Department of Military Science - Army ROTC,
Wagner Building, Ranger Room (located on the loading dock)
The Army ROTC program prides itself on providing the best leadership training available. Learn
more about the Army and what it takes to become an Army officer. During this session you will use
The Engagement Skills Trainer. This hands-on computer system provides realistic marksmanship
and combat scenario training using an M4 rifle. You will also be able to talk to current Army ROTC
students and find out what life is like as a cadet. PLEASE NOTE: STUDENTS IN GRADES 11 & 12
ONLY ARE PERMITTED TO ATTEND.

35. Smeal College of Business
Session 1 Dept. of Finance (115 Business Building, The Trading Room): Get a glimpse of what
it would be like to work on Wall Street through an interactive trading experience in the Rogers Family
Trading Room. The Trading Room is a financial laboratory located in the Smeal College of Business
that features 53 workstations, large LCD video displays, a stock ticker, and a very loud bell. The lab
provides live feeds from news networks, continuous updates on financial market conditions, and
access to professional financial software for company research, data analysis, and simulated trading.
Session 2 Department of Marketing (217 Business Building): Do you know why the newest
iPad flies off the shelf at your favorite store? Marketing revolves around the strategic and creative
message to consumers that encompasses the 4 Ps of Marketing (product, promotion, price, place).
During this interactive session, we will explore how Marketing drives the process and gives you the
opportunity to discover your own marketing skills.

Session 3 Dept. of Supply Chain & Information Systems (207 Business Building): Did you
ever stop to think how your iPad gets to the shelf of your favorite store? One aspect of Supply
Chain Management involves managing inventory through a series of processes and locations until
the product ultimately arrives on the retail shelf. In this session participants will use a computer
simulation to manage and move inventory in coordination with other participants through a supply
chain, all while trying not to break the bank!

36. Social, Life, and Engineering Sciences Imaging Center (SLEIC),
120 Chandlee Lab
Penn State's Social, Life, and Engineering Sciences Imaging Center (SLEIC) will offer a tour of the Center's 3T Magnetic Resonance Imaging (MRI) facility and the Human Electrophysiology Facility (HEF) where Penn State scientists study human body structure and function. Learn how a magnetic
resonance imaging experiment is done. Take a test ride in an MRI simulator to see what having an
MRI is really like. Learn about how neuroscientists collect information about the brain's electrical
responses. Learn about careers in biomedical imaging.

37. South Food District, Redifer Dining Commons
Come see how college students dine. College students have the opportunity to choose from many
stations in South Food District at Redifer Dining Commons. For a truly exciting experience, tour the
cafeteria and facility and see how we prepare meals for 8,000 students a day.

38. The Bennett Family Center, 123 Bennett Family Center
The Bennett Family Center, a NAEYC accredited—4 Star center, offers full-day child care for children
between the ages of six weeks and six years. The facility has nine classrooms and a large outdoor
play area. After an overview of the program, including discussion of teacher preparation, participants
will be provided an opportunity to tour the classrooms and observe the offered learning experiences.

39. Food Science, Observation Room, Food Science Building
Come experience Food Science! Food Science is an applied discipline that utilizes basic science to
study food and food systems. Learn about the chemistry, biology and physics behind ice cream and
how it is made. Each session will consist of a creamery tour and a brief introduction to the different
career paths in food science (along with some ice cream!)

40. University Libraries, Paterno Library, (Curtin Road entrance, Mann Assembly Room)
Session 1: Explore Centre County history through Google Earth: This hands-on session will
Teach students to add historical maps, images, and data to Google Earth. This technology can be
helpful in creating dynamic school projects.

Session 2: Award-Winning Books: Too good to read? Join us and learn more about awards given
to books for children and young adults. Featured titles will include 2015 award-winning books in a
variety of genres. Participants may choose a book for their own collections!

41. Veterinary & Biomedical Sciences, 118 A.S.I. Building
Come and gain a better understanding of what it takes to be a veterinarian. Students considering a career in the veterinary medical field will have the opportunity to: Practice surgical suturing, extract
DNA from strawberries, and learn about animal first aid. We will start with a ten-minute presentation
on "What It Takes To Be A Veterinarian and What Courses You Should Take in High School".
Following the presentation, students will go through three stations: 1) Learn two surgical knots and
suture banana; 2) Learn about animal first aid; and 3) Extract DNA from strawberries. DUE TO
THE HANDS-ON, INTERACTIVE NATURE OF THIS SESSION, PLEASE ALLOW AT LEAST 60
MINUTES TO ATTEND IT.

42. Career Services, 103 Bank of America Career Services Center
Penn State Career Services assists students with career exploration and planning. In this session, participants will explore their career interests through the Party Game and learn about career
opportunities that relate to their interests.

43. University Police and Public Safety, Eisenhower Parking Deck (Front Lobby)
Participate in solving a whodunit by working as a team to identify the primary suspect in a fictional
criminal investigation through the collection of evidence and fingerprints.