



the aLLeGhEny
aRBOREtUm
at INDIANA UNIVERSITY of PENNSyLVANIA



annual report
2011 - 2012

GREETINGS...

"It has always been there."



Football game with the Oak Grove in the background, 1912

It was there before there was an Indiana Normal School. The grove of trees that we call the Oak Grove has acted as the heart and spirit of IUP throughout its existence. It has changed as the university and community have changed around it, and it is the nucleus of the Allegheny Arboretum at Indiana University of Pennsylvania. This Allegheny Arboretum Annual Report takes a closer look at the Oak Grove and reviews the arboretum's activities since our last report.

One of the reasons the Allegheny Arboretum was created was to address the changes that were occurring in the Oak Grove and the overall status of the tree population on campus. For several years, little attention was paid concerning the stability, health, and replacement of campus trees. This is exemplified in the brief report that presents data of the changes that have occurred in the Oak Grove since 1961. The decrease in the number and variety of trees in the Oak Grove is clear, and one of the primary functions of the Allegheny Arboretum is to reverse those trends. The health of the trees in the Oak Grove was one of the first issues addressed by the Allegheny Arboretum board. In 2001, a grant was obtained that funded tree maintenance in the Oak Grove. In addition, since 2001, the arboretum has planted 12 trees representing nine species in the Oak Grove. The planting of trees and the increase of tree diversity on the campus are one of the primary objectives of the Allegheny Arboretum.



Aerial view of campus, 1920

The Allegheny Arboretum board continues to move forward in trying to obtain funding for Phase I of the Arboretum Concept Overlay Plan. We are working with the university to identify possible sources for the \$75,000 needed to fund the next step in the plan. In the meantime, the Allegheny Arboretum is expanding its outreach efforts into the community, and it continues to strive to fulfill its objectives.

I wish to express my gratitude to the many of you who have generously provided support to the Allegheny Arboretum. The arboretum is an ongoing project that will continue to evolve as part of IUP and the Indiana community. Without your support, none of this would be possible.

There are many ways in which you can help us succeed; toward that end, we have included for your use a form on the last page of the report. I thank you in advance for your support. Please feel free to contact me. Until the next report, please stay in touch.

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Allegheny Arboretum Board
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Indiana, PA 15705-1087
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2011-12 annual report

Allegheny Arboretum at
Indiana University of Pennsylvania

*This report summarizes the activities
of the Allegheny Arboretum Board
from January 1, 2011, through June
30, 2012, and presents some of the
activities the board will pursue.*



Oak Grove, 1922

In this annual report, the Oak Grove is featured by the inclusion of pictures from the past and present. Thank you to Harrison Wick and the IUP Special Collections and University Archives for these photographs.



North Grove, 1927

1

Efforts were made to identify means to obtain funding for the arboretum components in the 2010 IUP Long-Range Campus Facilities Master Plan and the 2011 Arboretum Concept Overlay Plan. This included

- giving a presentation to David Werner, interim president, and the President's Cabinet,
- meeting with Debra Valentine-Gray, IUP's director of Regional Advancement for Allegheny County,
- meeting with Bill Speidel, vice president for University Advancement,
- meeting with Heidi Malin, director of Keystone Fundraising Solutions, LLC.



East Campus, 1927



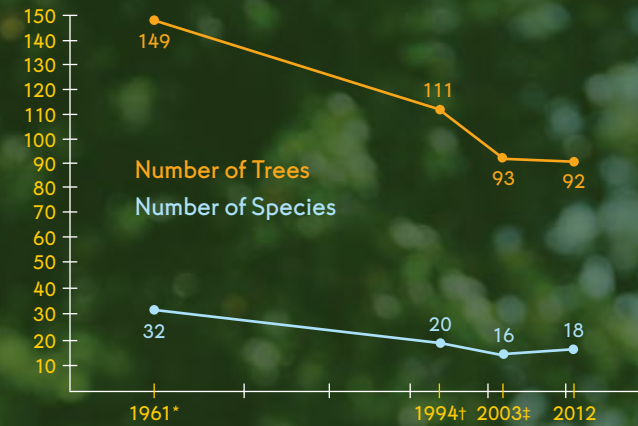
Conversing on the Greek steps, 1936

overLay pLan

2

Chairperson Pickering gave an overview presentation of the Arboretum Concept Overlay Plan at the annual Welcome to Indiana luncheon meeting.

CHANGES IN THE OAK GROVE



* Student report by H. R. Lupham, July 1961

† Mr. Robert Crusan, Keystone Arbor Care, Inc., July 1994

‡ Student report by Rebecca Buchanan and Ryan Zunich, IUP Department of Geography and Regional Planning, GIS Cartography Laboratory



tree plantings

3

In the last year and a half, 12 trees were planted. Because of the early spring weather and the dry conditions, there were limitations regarding the availability of trees and good conditions for planting. It is believed that the dry conditions also caused the death of some of the trees that had recently been planted. These trees will be replanted. The planting around the Heritage Garden was completed.

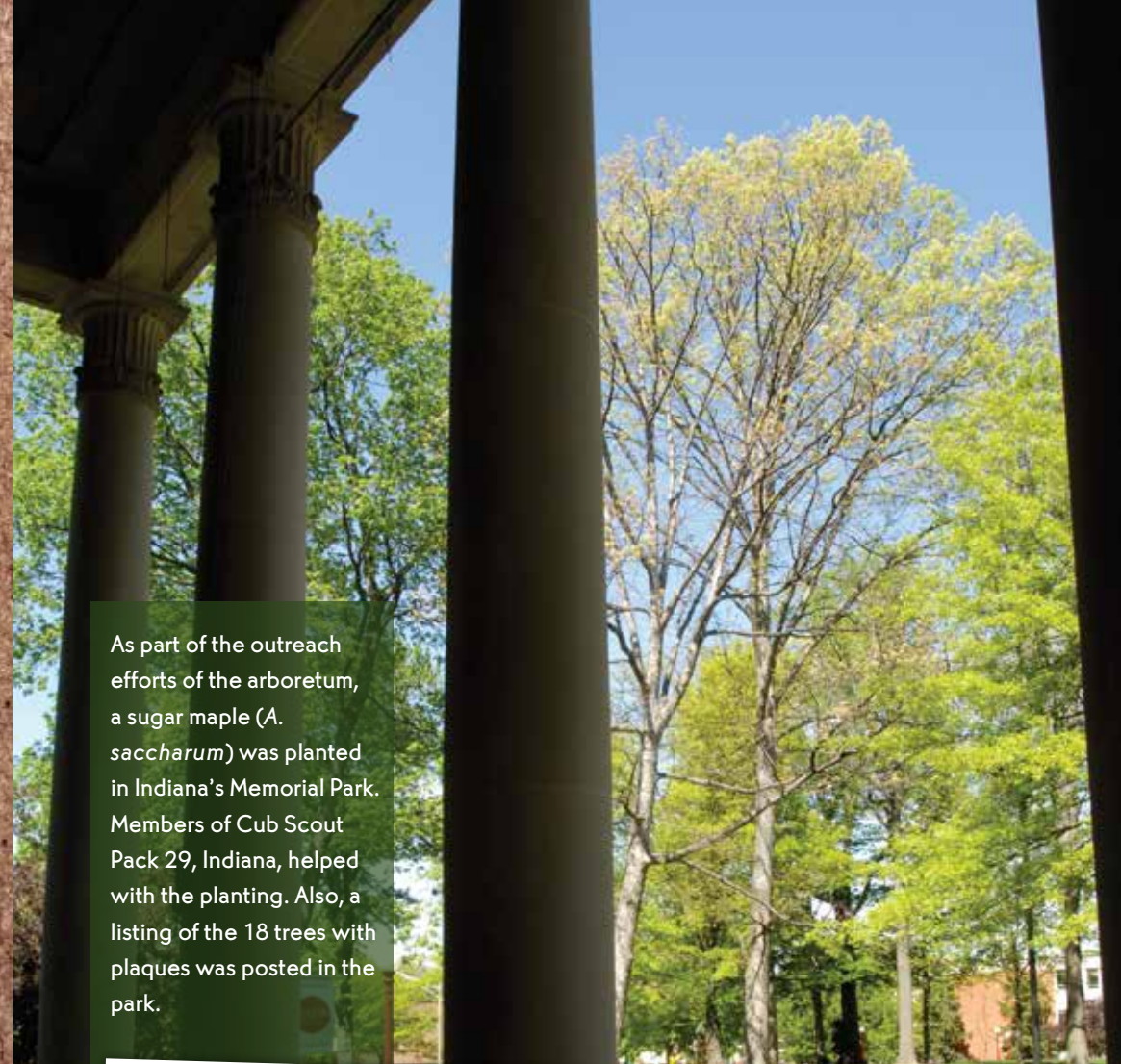
Heritage Garden: 6 cornelian cherries, *Cornus kousa*
1 alternate leaf dogwood, *C. alternifolia*
South Campus: 5 bald cypress, *Taxodium distichum*

Although many trees were removed during the construction of the new student housing on campus, the completion of the project has resulted in the planting of 374 trees and almost 3,300 shrubs. Nine new tree species were planted on campus:

- Celebration maple, *Acer x freemanii*, "Celebration" (a hybrid between a red and silver maple)
- Sunset maple, *A. rubrum*, "Franksred"
- Endowment sugar maple, *A. saccharum*, "Endowment"
- Striped maple, *A. Pennsylvanicum*
- Shagbark hickory, *Carya ovata*
- Alleghany serviceberry, *Amelanchier laevis*
- Ivory silk lilac tree, *Syringea reticulata*, "Ivory Silk Lilac Tree"
- Fraser fir, *Abies fraseri*
- Delaware American elm, *Ulmus Americana*, "Delaware"



As part of the outreach efforts of the arboretum, a sugar maple (*A. saccharum*) was planted in Indiana's Memorial Park. Members of Cub Scout Pack 29, Indiana, helped with the planting. Also, a listing of the 18 trees with plaques was posted in the park.



SCIENCE DISCOVERY AND OUTDOOR LEARNING CENTER

4

In celebration of Earth Day, on April 20, 2012, the Science Discovery and Outdoor Learning Center was dedicated.

The original concept for the facility was initiated as an Allegheny Arboretum student project. The arboretum board donated \$2,500 for the project. The facility, located by Stouffer Hall, is open to the public and adds a unique learning resource to IUP. Learn more at www.iup.edu/education/sciencediscovery.



Aerial view, 1936

5

Information about the Allegheny Arboretum was published in the Fall 2011 and 2012 *Keystone Gardener*. This is the official publication of the Garden Club Federation of Pennsylvania.

6

Plaques were placed on two additional donated benches:

- *In loving memory of my mom, Christina Malena Mash
Dr. Donald J. Mash '64*
- *Sigma Etas
Clarette Hart, Kathleen Kunder, Roz Korowicki, Sharon Lloyd, Katie Lacock,
Kathy Mack, Jean Wagner
Class of 1968*



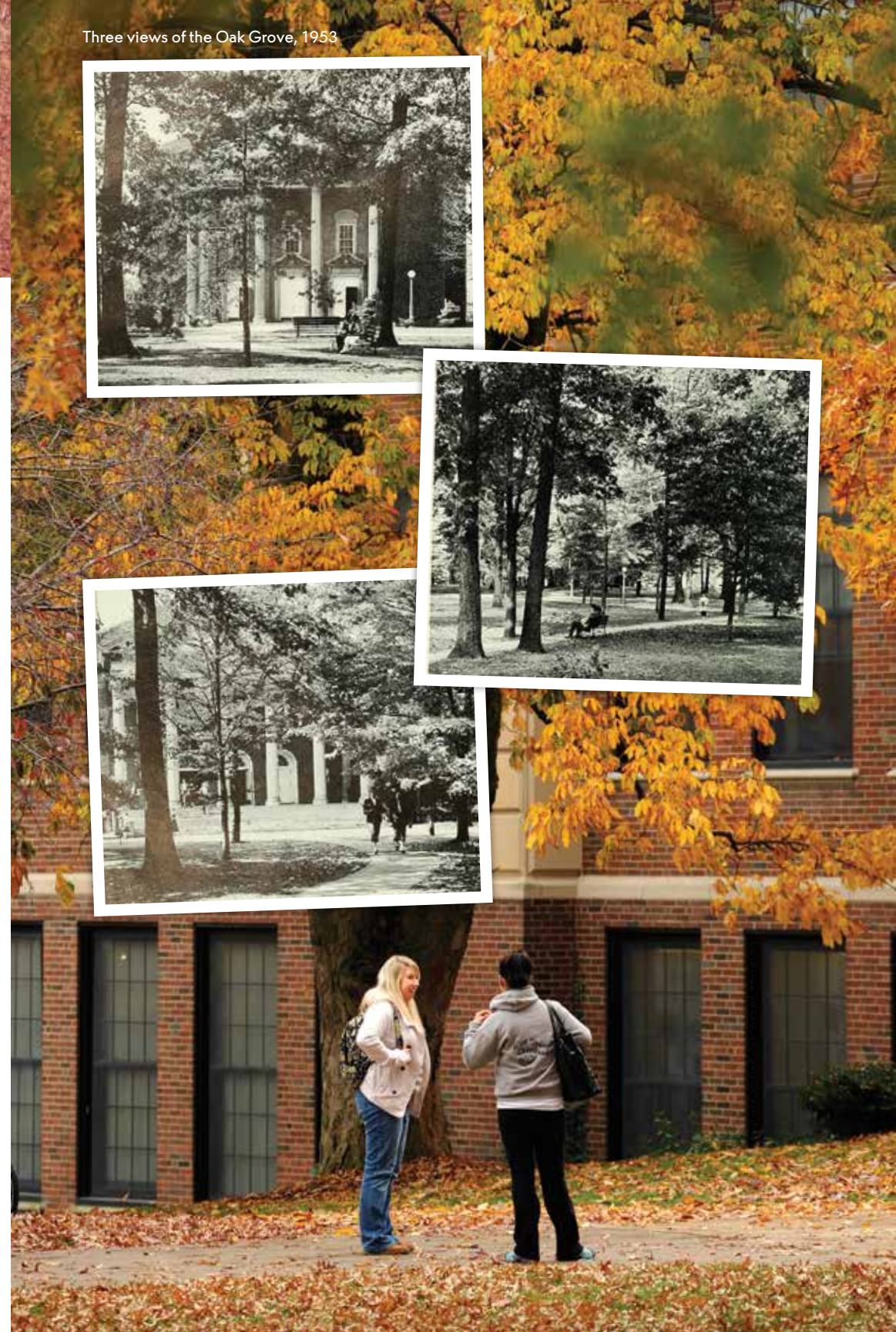
student PROJECT

7

Dennis Ausel from the Communications Media Department had his Electronic Imaging class create posters that could be used for marketing the Allegheny Arboretum. This is the sixth year that students have participated in such activities.



Three views of the Oak Grove, 1953



BOARD CHANGES

8

The following changes occurred in the Allegheny Arboretum board membership:

- G. Fred Schrock, an IUP alumnus and retired professor from the Biology Department who had been on the board since its creation in 2000, left the board.
- Sean Schwartz, manager of Pikes Peak Nurseries, who had been on the board since its creation, left the board.
- Tim Nuttle, a faculty member in the Biology Department, left the board.
- Meghan Twiest, a faculty member in the Department of Professional Studies in Education, joined the board.
- Kaitlyn Grzywinski, of Phi Eta Sigma, became the new student representative.



A ride through the Oak Grove, 1963

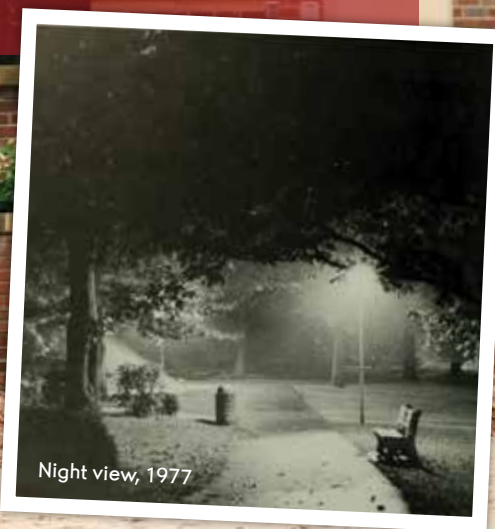
BUDGET SUMMARY

9

• Balance—December 31, 2010:	\$30,221.35
• Income:	\$17,491.23
• Expenditures:	\$17,117.87
Trees:	\$1,101.00
Tags and plaques:	\$1,087.59
2009-10 annual report:	\$1300.00
Benches:	\$2,651.00
American Public Garden Association dues:	\$150.00
Terra Design Studios:	\$10,220.74
Management fees:	\$607.54
• Balance—June 30, 2012:	\$30,594.71

PROPOSED activities

1. Cooperate with the university regarding the implementation of recommendations in the 2010 IUP Facilities Master Plan and the Allegheny Arboretum Concept Overlay proposal. See the proposal at www.iup.edu/arboretum.
2. Continue to cooperate with the University Advancement staff to solicit funds to support the development of the Allegheny Arboretum.
3. Cooperate with the university on issues related to the recommendations in the Campus Heritage Preservation Plan regarding landscaping in the historic district of the campus.
4. Work with IUP's Center for Turning and Furniture Design to develop a plan for construction of an Allegheny Arboretum kiosk and to promote projects that are of mutual interest.
5. Continue to evaluate and revise the Allegheny Arboretum website.
6. Continue to work with administrators, faculty, and students at IUP to promote Allegheny Arboretum-related projects.
7. Continue to update the *Map and Guide to the Labeled Campus Trees* on the IUP campus.
8. Continue to cultivate contacts with local organizations.
9. Continue to develop ways to market the Allegheny Arboretum.
10. Continue to implement the goals and objectives of the Allegheny Arboretum.



alLEGHENY arboretum BOARD members

Dr. Dennis Ausel

Communications Media Department, IUP

Mrs. Ruth Berry

District Chair, Garden Club Federation of Pennsylvania

Mr. W. Thomas Borellis

Special Assistant to the Vice President for Administration and Finance for Special Projects, IUP

Mr. Robert Crusan

Urban Forestry Consultants, Inc.

Mr. John Cuccaro

Trim Tree Nursery

Mrs. Carla Eichman

Evergreen Garden Club of Indiana
Heritage Garden Coordinator

Mr. Mark Geletka

Associate Vice President for Facilities Management, IUP

Ms. Kaitlyn Grzywinski

Student Representative, Phi Eta Sigma

Mrs. Barbara Hauge

RLA, ASLA
Landscape Architect, UpStreet Architects, Inc.

Mr. Justin Kaskan

Twolick Valley Nursery & Gift Shoppe

Mr. Steven Loar

Director, Center for Turning and Furniture Design; Art Department, IUP

Dr. Thomas Lord

Biology Department, IUP

Dr. Jerry Pickering

Chair, Allegheny Arboretum Board; Biology Department, IUP, retired

Mr. Robert Pollock

Treasurer, Allegheny Arboretum Board; Director, Penn State Cooperative Extension

Ms. Emily Smeltz

Director of Annual Giving, IUP

Dr. Meghan Twiest

Professional Studies in Education Department, IUP

Dr. Whit Watts

Geography and Regional Planning Department, IUP

WITH YOUR SUPPORT... The Allegheny Arboretum at IUP continues to grow, but additional funding is needed in order to continue the efforts of the arboretum. Operating solely through private funding, the Allegheny Arboretum is grateful for the continued support of individuals, businesses, organizations, and foundations.

Since January 2000, the arboretum has planted, nurtured, and developed green spaces on 341 acres of the IUP campus. The restoration and revitalization of the Oak Grove; planting of trees and placing of benches in recognition of friends, family, and loved ones; creation of new niche gardens; and so many other developments have been accomplished through the efforts of everyone involved with the Allegheny Arboretum at IUP.

Your continued support helps to make realization of the project list for 2012-13 possible. Your gift makes a difference. Each tree, each garden, each bench leaves a legacy of memories for students, families, friends, and the Indiana community!

To make your gift, complete the form below, visit www.iup.edu/giveagift, or call the Office of Annual Giving at 724-357-5555.

Name _____
 Address _____
 City _____ State _____ ZIP _____
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 E-mail _____
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Project of greatest need Project of my choice _____

Please charge my gift of \$ _____ to my

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Or, I would like to make a pledge of \$ _____ and have reminders sent

1 2 3 4 consecutive months

Please make checks payable to the Foundation for IUP and mail to: Foundation for IUP, Records Information Manager, 1011 South Drive, Sutton Hall, Room 103, Indiana, PA 15705

Does your employer, spouse's employer, or former employer (for retirees) match contributions to higher education? **Double the impact** of your gift by including a matching gift form from your employer!

The Foundation for IUP is a 501(c)(3) organization; gifts to the foundation are tax deductible as per IRS regulations. The official registration and financial information of the Foundation for Indiana University of Pennsylvania may be obtained from the Pennsylvania Department of State by calling toll free, within Pennsylvania, 1-800-732-0999. For calls which originate outside Pennsylvania, the telephone number is 717-783-1720. Registration does not imply endorsement.

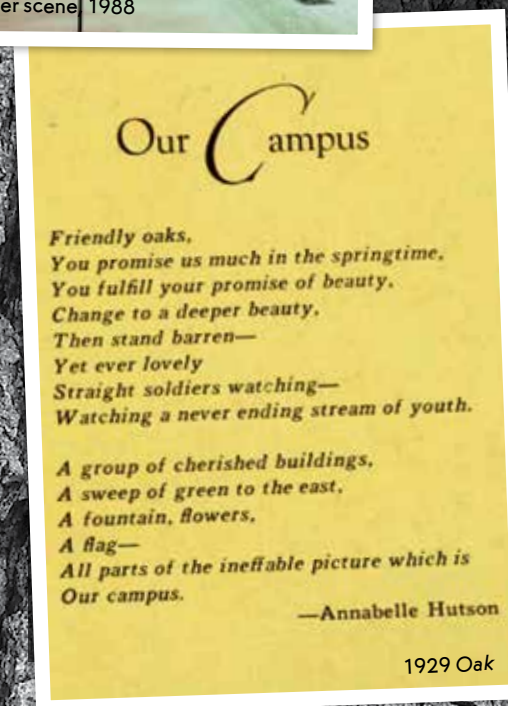
NCSPF/AFAFG/AF12/8481

2010-11 ARBORETUM SUPPORTERS

- Dr. and Mrs. Andrew C. Browe
- Mrs. Kathryn L. Ciezadlo
- Dr. Thomas Clemente and Mrs. Shirley Sato
- Mr. and Mrs. Matthew Conjelko
- Mr. Alan J. Friday and Ms. Courtney B. Anna
- Mr. and Mrs. Charles R. Houser Jr.
- IUP Ambassadors
- IUP APSCUF
- Dr. and Mrs. James W. Laughlin
- Dr. Donald J. Mash
- Mr. and Mrs. Patrick A. Mazanek
- Mr. and Mrs. Dennis E. McElroy
- Mr. and Mrs. Michael J. Moyer
- Ms. Cynthia Kay Nelson
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- Ms. Tonya R. Patterson
- Dr. and Mrs. Jerry L. Pickering
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- Mrs. Clarette H. Shelton
- Mr. and Mrs. Daniel C. Shively
- Mr. and Mrs. Aaron J. Smeltz
- Mr. Nelson K. Stahlman



Winter scene 1988





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emerald ash BORER INFECTING ASH TREES IN oak GROVE

At least two of the ash trees in the Oak Grove have visual evidence that they have been infected by the emerald ash borer. Infection was indicated by the death of some of the upper tree branches and the presence of the unique larval exit holes in the bark. One of the infected trees is one of the tallest trees in the Oak Grove. The larvae, which feed on the inner bark of ash trees, disrupt the trees' ability to transport water and nutrients, causing the greatest damage to the trees. To try to control the EAB, IUP hired Bartlett Tree Experts, who treated all the ash trees on campus by using a series of root injections around the base of the trees. A systemic larvacide that lasts up to two years was injected directly into the trees. In addition, tree fertilizer was applied around the trees. The health of the trees will be assessed next year, and additional treatments will be applied if needed. EAB is an invasive species, highly destructive to all ash species. Since its accidental introduction into the United States and Canada in the 1990s, it has spread to 14 states and adjacent parts of Canada. It has killed at least 50 million to 100 million ash trees so far and threatens to kill most of the 7.5 billion ash trees throughout North America. EAB is now one of the most destructive non-native insects in the United States. For additional information, visit the national EAB website, www.emeraldashborer.info.

