



the allegheny
ARBORETUM

at INDIANA UNIVERSITY OF PENNSYLVANIA



ANNUAL REPORT
2008 - 2009

Aesculus Alley Information

Located between Leonard and McElhaneys halls, "Aesculus Alley" contains seven *Aesculus* species that include: *A. glabra*-Ohio Buckeye, *A. hippocastanum* "Baumannii"-Baumannii Horsechestnut, *A. x arnoldiana* "Autumn Splendor"—Autumn Splendor Buckeye (a cross between *A. flava* & *A. glabra*), *A. x carnea* "Fort McNair"—Ft. McNair Red Horsechestnut (a cross between *A. pavia* & *A. hippocastanum*), *A. pavia*-Red Buckeye, *A. flava*-Yellow Buckeye, and *A. parviflora*-Bottlebrush Buckeye. An eighth species, *A. hippocastanum*-Horsechestnut, is located along Oakland Avenue north of Elkin Hall.



This report summarizes the activities of the Allegheny Arboretum board from July 1, 2008, through June 30, 2009, and presents some of the activities the board would like to pursue in the coming fiscal year.

The genus *Aesculus* (buckeye genus) comprises thirteen to nineteen species of woody trees and shrubs native to the temperate northern hemisphere, with six species native to North America and seven to thirteen species native to Eurasia; there are also several hybrids. Species are deciduous or evergreen. This genus has traditionally been treated in the family Hippocastanaceae (the horse chestnut family), along with *Billia*, but recent phylogenetic analysis of morphological and molecular data has led to this family, along with the Aceraceae (Maples and *Dipteronia*), being included in the soapberry family (*Sapindaceae*). Linnaeus named the genus *Aesculus* after the Roman name for an edible acorn. The Eurasian species are known as horse chestnuts, while the North American species are called buckeyes. *Aesculus* are from 4 to 36m tall (depending on the species) and have stout shoots with resinous, often sticky, buds and opposite, palmately divided leaves. Flowers are showy, insect-pollinated, with four or five petals fused into a lobed corolla tube, arranged in a panicle inflorescence. The fruit matures to a capsule 2–5 cm diameter, usually globose with one to three seeds (often erroneously called nuts) per capsule. Some species are important timber trees. Extracts from the leaves, fruits, and seeds have been used in medicines and as poisons. Although the seed resembles the edible seed of chestnuts, it is not edible, since it contains the poison aesculin that can induce vomiting, stupor, twitching, and paralysis. Because of this, wildlife usually do not eat the seeds. All the species, as well as their numerous hybrids, have been extremely popular shade trees and ornamentals.

1 The Preservation Plan for IUP

was completed by Pittsburgh History & Landmarks Foundation. The study was made possible with funding from Getty Foundation's Campus Heritage Grants program. The purpose of this plan is to outline recommendations for the preservation, conservation, and continued use of historic landscape and buildings at IUP. Key components of the report included the identification of the Campus Historic District, structures, and landscapes. The report provided recommendations for protection and renovation of eleven historic buildings. The landscapes within the historic district were identified and recommendations made regarding preservation of specimen trees and shrubs and the conservation of green/lawn areas. The report gave encouraging support to the efforts of the Allegheny Arboretum in stating, "...the work of the Allegheny Arboretum should be recognized and commended." "Through their efforts a program is in place for maintaining and improving the campus landscapes and with support and encouragement their work will ensure landscape continuity through many generations of students. The proper care of existing trees and the planting of new ones are critically important issues. IUP is fortunate to have an organization established to direct this work." The arboretum board will work with the university to evaluate the recommendations in the Preservation Plan and develop means to implement those recommendations. The complete report can be viewed at www.iup.edularboretum

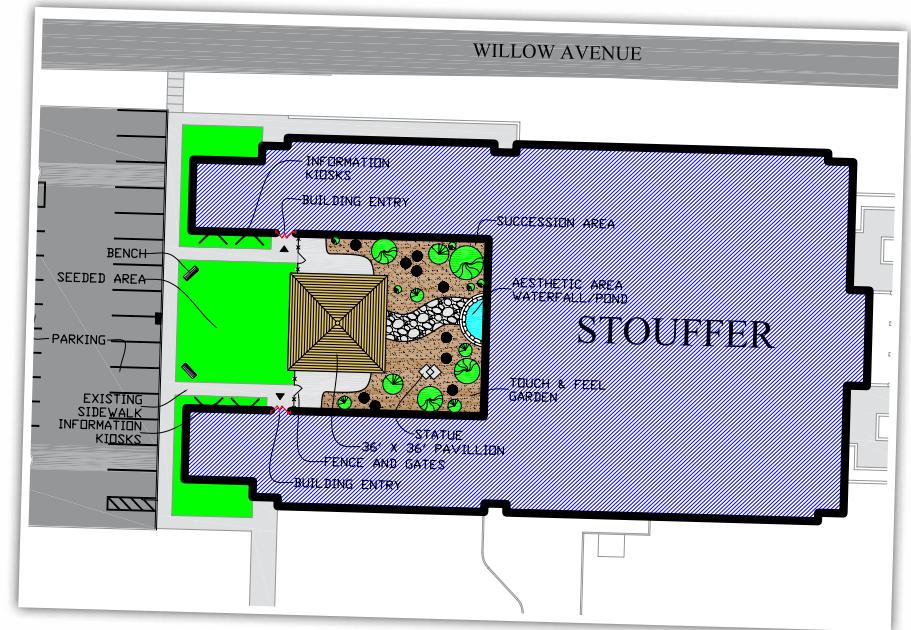


Map of Campus Historic District



2 The construction and planting of the “Heritage Garden” that replaced the “Touch & Smell Garden” was completed. The garden is located south of the new Northern Suites. Highlights of the garden include replacement of the original fountain and repair and replacement of the sundial. The garden has sixteen flowers beds consisting of six herb beds, four Touch & Smell beds, four Shakespeare beds, a rose bed, and a fountain bed. A trellis will be designed and placed near the center of the garden. It will be made from wood obtained from trees removed from the campus.

3 Work continues on the creation of the Stouffer Hall Outdoor Learning and Teaching Laboratory. A final draft of the layout of the site has been completed. It is hoped that initial work on the site will start this fall with the pouring of concrete walks and the construction of the outdoor classroom pavilion.

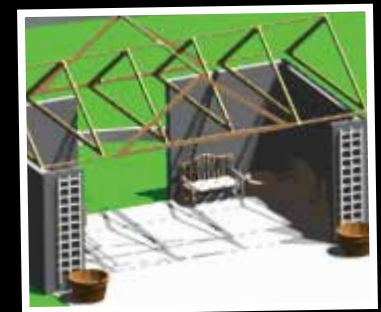





4 Construction of the **wood drying building** was completed this summer. The university made the arrangements for the pouring of the concrete floor, and, under the supervision of Christopher Weiland, students constructed the building south of Robertshaw. This is a "green building," since most of it was constructed using recycled wood from the campus as part of the Harvest to Use Initiative of the Center for Turning and Furniture Design. The trunks of several trees that were removed due to the demolition of the Governors Quad were saved and transported to the building for cutting and drying. A landscape plan will be developed for the site in the coming year.



5 Student Projects: Dr. Whit Watts's students Brian Lawrence and Bill Deguffroy for their class project in Planning Design gave a presentation to the board of their East Lawn Proposal. The proposal included: remove the shrubs along sidewalk near Pratt Drive, widen the sidewalk along Pratt Drive, reconfigure walkways to allow for access to campus on either side of the Flagstone Theater, remove the hemlocks around Flagstone Theater and replace with tasteful landscaping much like it was when first built, modify Flagstone Theater to "open it," and terrace the east lawn to include an arched retaining wall. The east lawn in front of Sutton Hall was included in the Campus Historic District, and it is hoped that a strategic plan can be developed for this area in the near future.





6 Due to the widespread construction on the main campus, only two trees (Cornelian Cherry-*Cornus mas*, Alternate Leaf Dogwood-*C. alternifolia*) were planted near the Heritage Garden in celebration of Earth Day. Students from Phi Eta Sigma assisted in the planting of the trees. The Cornelian Cherry was a “rescue” plant that had been located near the Touch & Smell Garden. Additional tree planting near the garden will be completed in the future. The board approved a request from Tony Neese, IUP grounds supervisor, to fund the replacement of dead trees near the ball fields on the south campus. Five to seven trees will need to be removed and replanted. Additional campus plantings are planned for the fall.

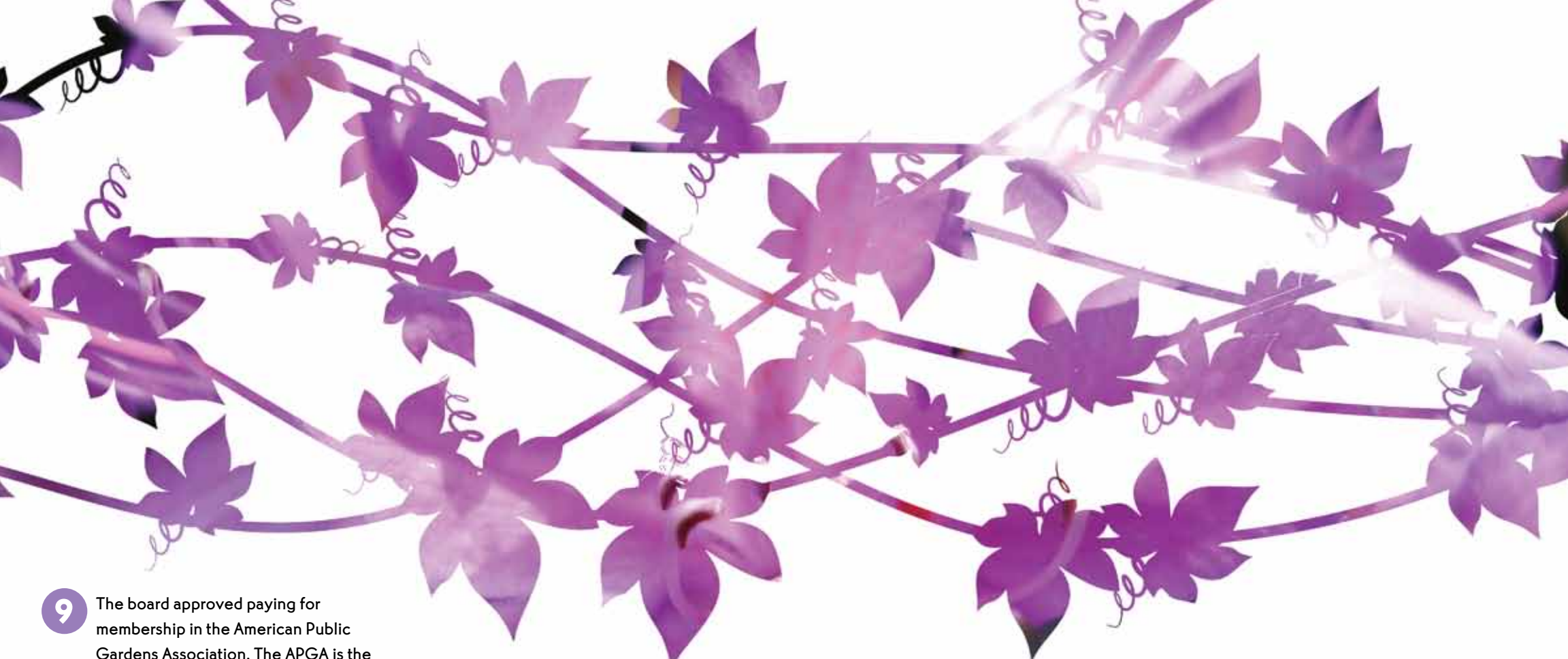
7 Following the landscape recommendations of the Design Review Committee and La Quatra Bonci Associates, plants were placed around the new Sutton Suites (located on the grounds cleared by the demolition of Esch and Wallace Halls) and around the Suites on Pratt (constructed on the site of the Campus Towers). Vegetation was selected that would create niche gardens associated with the new buildings to simulate different Pennsylvania plant communities. Mesic upland vegetation was selected for Wallwork Hall (Sutton Suites) landscape and moist lowland vegetation selected for the Suites on Pratt landscape. Phase IV of the housing project, which involves the destruction of Pechan Health Center and the Governors Quad, has started. The Design Review Committee will have some input into the plant selection associated with the new housing suites at this location.

"It is not the language of painters but the language of nature which one should listen to... The feeling for the things themselves, for reality, is more important than the feeling for pictures." - Vincent Van Gogh

8 The following changes occurred in the Allegheny Arboretum Board membership.

- **Alice O'Dell**, member of the Indiana Garden Club who had been on the board since its creation in 2000, left the board.
- **Emily Smeltz**, director of Annual Giving, replaced Jennifer McIntire, previous director of Annual Giving.
- **Deanna Meek** replaced Meg Citeroni as the Phi Eta Sigma student representative.
- **Dennis Ausel**, a faculty member in the Department of Communications Media, joined the board.
- **Justin Kaskan**, owner of Twolick Valley Nursery & Gift Shoppe and member of the Indiana Garden Club, joined the board.





9 The board approved paying for membership in the American Public Gardens Association. The APGA is the premiere association for public gardens in North America. It serves and strengthens public gardens throughout North America by supporting and promoting their work, value, and achievements in horticultural display, education, research, and plant conservation.

10 The Allegheny Arboretum was included in the annual *Keystone Gardener*, which is the official publication of the Garden Club Federation of Pennsylvania.

11 The final design for the Allegheny Arboretum Recognition Wood Tiles was accepted, and several of the tiles were made by Christopher Weiland. The board will make a decision in the coming year regarding the use of the tiles.



12 Budget Summary

Balance — July 1, 2008:	\$35,240.16
Income	\$5,136.16
Expenditures	\$4,476.63
Annual report	\$1,495.45
Trees	\$1,995.65
Tree straps, plaques, and accession tags	\$690.25
APGA membership	\$160.00
Fees	\$135.28
Balance — June 30, 2009:	\$35,899.69

2009-2010 Proposed Activities

1. Continue to cooperate with the IUP University Relations staff to solicit funds to support the development of the Allegheny Arboretum.
2. 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.
3. Cooperate with the university regarding issues related to recommendations in the campus heritage Preservation Plan regarding landscaping in the Historic District of the campus.
4. Cooperate with the university regarding development of the new Long-Range Campus Facilities Master Plan.
5. Continue to promote proposed plans for the East Lawn Renovation and Restoration Project and to support completion of the Stouffer Hall Outdoor Learning and Teaching Laboratory.
6. Work with the Foundation for IUP and La Quatra Bonci Associates to develop landscaping plans for the green spaces associated with Phase IV of the Residential Revival Suites.
7. Work with the university to develop a plan for the gardens associated with the Kovalchick Convocation and Athletic Center.
8. Continue to evaluate and revise the Allegheny Arboretum website.
9. Continue to work with administrators, faculty, and students at IUP to promote arboretum-related projects.
10. Continue to update the *Map and Guide to the Labeled Campus Trees* on the IUP campus.
11. Continue to cultivate contacts with local organizations.
12. Continue to develop ways to market the Allegheny Arboretum.
13. 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,
Director, Student Housing Development, Foundation for IUP

Mr. Robert Crusan,
Urban Forestry Consultants, Inc.

Mr. John Cuccaro,
Trim Tree Nursery

Mrs. Carla Eichman,
Member, Evergreen Garden Club of Indiana

Mr. Mark Geletka,
Interim Associate Vice President for Facilities Management, IUP

Mr. Justin Kaskan,
Twolick Valley Nursery & Gift Shoppe, Indiana Garden Club

Dr. Thomas Lord,
Biology Department, IUP

Ms. Deanna Meek,
Student Representative, Phi Eta Sigma

Dr. Jerry Pickering,
Chair, Allegheny Arboretum Board; Biology Department, IUP, retired

Mr. Robert Pollock,
Treasurer, Allegheny Arboretum Board;
Director, Penn State Cooperative Extension

Dr. G. Fred Schrock,
Biology Department, IUP, retired; IUP Alumnus

Mr. Sean Schwartz,
Pikes Peak Nurseries

Ms. Emily Smeltz,
Director of Annual Giving, IUP

Dr. Whit Watts,
Geography and Regional Planning Department, IUP

Mr. Christopher Weiland,
Art Department, IUP, retired

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 trees and placing benches in recognition of friends, family, and loved ones; new niche gardens; and so much more has 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 2010-2011 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.

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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/AF09/8481



2008 - 2009 Arboretum Supporters

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