

COME VISIT

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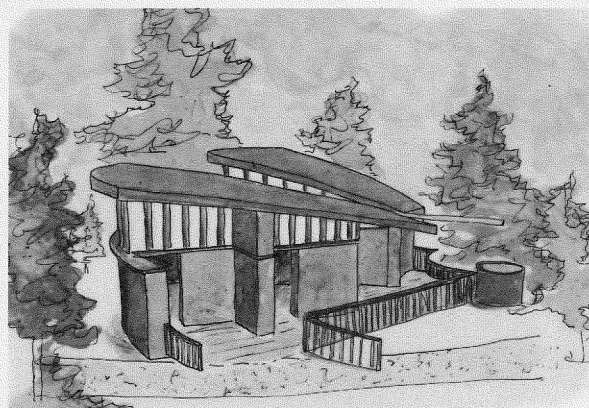
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Student Design Project Focuses on Arboretum

Ned Warnick gave students in his Arch 454 class Spring semester 2002 the following assignment:

One shortcoming that Arboretum and Botanical Garden has is a lack of restroom facilities. Currently, visitors may choose between a portable outhouse at the southern end, or a walk to the nearby Golf Course restrooms at the northern end. This project seeks to offer a solution to this situation. Arboretum staff are hoping to have a modest restroom building designed that will contribute to the overall quality of the environment.

One student, Laura Taylor Harris, presented a particularly innovative design, which is functional as well as environmentally-friendly. Laura has chosen to continue design and development of her project as her Architecture Graduate Project. Laura is pursuing the prospective project as a design-build project where the designer also acts as the builder. In addition to working on the design she is also pursuing possible funding options in order to see the project come to reality.



As we begin to dream about continued development of the UI arboreta we would like to share some of Laura's vision with you.

Restroom Project

The concept or inspiration for the design is derived directly from the nature found in the Arboretum. The floor plan is based from concentric rings found in water and trees. The elevation or side view is derived from a composite flower such as a daisy.

The project aims to achieve much more than its initial use as a beautiful restroom facility. In addition, it will function as a learning module for the community on sustainable/environmental design. The intent is to provide a beautiful and intriguing facility that will educate visitors and allow them an opportunity to become familiar with the environmental systems incorporated into the design. The restroom would provide information so individuals can easily understand and implement the ideas into their own living environments.

continued next page

COME GROW WITH US

ARBORNOTES

A Newsletter of
the Arboretum Associates
University of Idaho
Arboretum and Botanical Garden

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Restroom project continued...

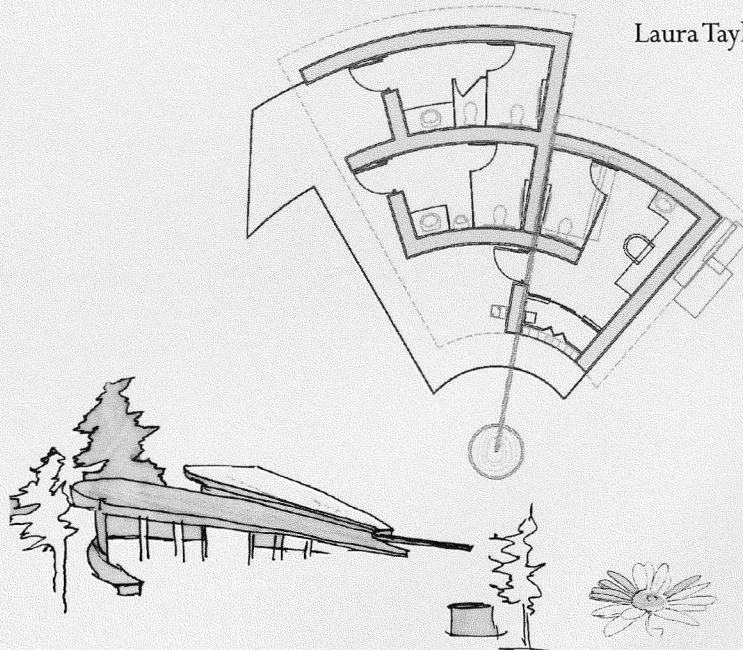
The natural straw bale structure would house composting toilets for year round use. In addition to two restrooms the current design has a third room which is to be used as a changing room and catering station for weddings and other such needs.

Current planned features include;

- Natural straw bale walls covered with a layer of stucco.
- The roof acts as a catchment system for rainwater which will fall from the roof via a scupper to a cistern where the water can be contained for use. That water can be utilized for the low flush composting toilets which will produce a sterile fertilizer as an end product.
- Composting toilets will eliminate the need for a sewage line to be dug through the Arboretum in addition to saving water. Currently, there is a great concern with preserving our potable water from our aquifer. This design is intended to eliminate the use of our drinking water for restroom purposes.
- The water from the sinks will go to a 'grey water' treatment system that will distribute it in special planting beds along the outside edge of the restroom.
- Currently, the facility is for daytime use, so much or all of the lighting will be derived from natural daylight. Photovoltaic panels are planned to provide electricity for the dressing room and composting ventilation fan.

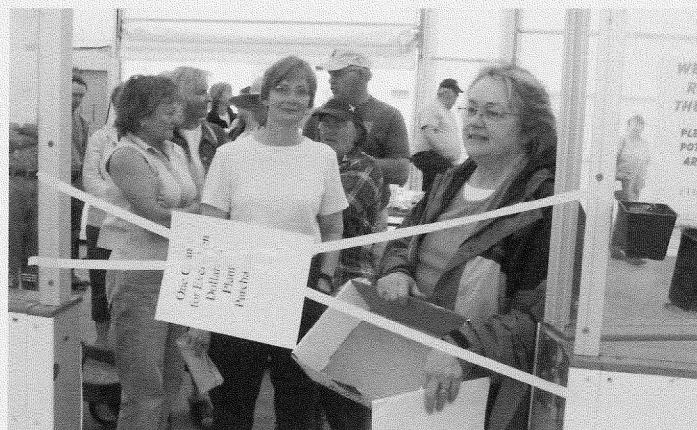
The picturesque Arboretum is a desired location for weddings, small concerts, gatherings and quiet contemplation. A permanent restroom is needed so people can enjoy the Arboretum for longer visits. Again, the concepts presented are in the schematic design phase. Funding opportunities and donations are being sought. If you have any questions, comments or ideas please feel free to contact me at my email tayl4391@uidaho.edu.

Laura Taylor Harris



Plant Sale A Success

The popularity of the Arboretum Associates annual plant sale just keeps growing. This year was no exception. As the opening time neared, a large crowd gathered waiting for a chance to scoop up some real horticultural delights. This year's plant selection did not disappoint. Special selections from Bluestone Perennials and TerraNova Nurseries offered plant lovers some plants not commonly found in our area. One added feature for this past sale was a holding area so shoppers had a place to set their treasures as they continued shopping. Once again we offered chances to win a spectacular specimen plant to our patrons by giving each buyer a raffle ticket for each \$10 spent at the sale. This year's winner was Dawn Paul.



Eager shoppers await the 9 a.m. start. Photo by Bill Bowler.

Special thanks to Paul Warnick who faithfully watered the plants all winter, to Marlene Johnston who spearheaded the entire effort, Gina Taruscio for coordinating the set-up and to Jan Leander, Kris Roby, Kim Vincent, Nancy Zabriskie, Bill Bowler, Joy Fisher, Doug Fisher, and Carol Wilson for your help transplanting and getting the plants ready for the sale. Thanks also to volunteers from Moscow, Pullman, Coeur d'Alene, Orofino, and the Lewiston Valley who helped with the sale, we couldn't do it without you. The volunteers are invaluable as they work through the winter and spring to sow, plant, dig, divide, pot and nurture the plants so they are ready for the event. But it is our loyal patrons who make the sale a success. This year's sale netted \$5,763 to support the arboretum.

The 2005 plant sale will be held 9:00 a.m. June 4, 2005 at the Ice Rink at the Latah County Fairgrounds.



Pat Linquist Hulett and Glenda Gardiner share the fun. Photo by Bill Bowler.

Lucky Seed Purchase

Every garden enthusiast hopes buying more plants or seeds will lead to untold rewards...maybe a marketable new cultivar, for instance. For Marlene Johnston, past president of Arboretum Associates, that wish came true in a big way. Last winter she placed an order with Thompson & Morgan seed company and when asked gave them the "Chelsea number" off the back of her catalogue. In March she was surprised with a phone call letting her know she won an all expenses paid, weeklong trip for two

to the fabulous Chelsea Flower Show in London. Included in the trip were sightseeing days in London, Cambridge, and Colchester, a tour of the seed company's facility in Ipswich and visits to three world renowned gardens. Each year, Thompson & Morgan chooses one lucky winner from their American customers (1:75,000) and another from Europe. Marlene and her daughter, Nancy Zabriskie, will never forget their time in England and are trying to figure out how to go again. Order more seeds perhaps?

27th Annual Arboretum Meeting

The 27th Annual Arboretum Associates Meeting was held Tuesday, April 20, at 7:00 p.m. in Renfrew Hall on the University of Idaho campus. The meeting was called to order by President Joy Fisher. The minutes of the 26th Annual Meeting and the treasurer's report were approved as presented. An election was held and Kimberly Vincent was elected as member-at-large to the Board of Directors. Joy introduced the past year's Board of Directors and thanked them for their hard work and dedication.

President Fisher reported that Arboretum Associates has joined with the Arboretum Advisory Board and UI Facilities Management to work together on issues including the plan to commission a new Arboretum Master Plan to guide future development in the Arboretum. Joy stressed that a new Master Plan was critical as we continue to work through the transition period of the retirement of Dr. Richard Naskali and the loss of the Director's position. Another upcoming

project is the design and production of a new brochure for the Arboretum including a map. Joy thanked Bill Bowler for his work on the brochure. Joy announced that the Board wants to focus on increasing membership in Arboretum Associates and cards will be sent to members as reminders to renew their annual dues. Members were asked to mark their calendars for upcoming 2005 events to include: a Bird Watching Tour on May 1, a tour of the Xeriscape garden on May 16, Arboretum Associates Plant Sale on June 5, and the summer concert in early July. All events will be posted on the Arboretum website at www.uidaho.edu/arboretum.

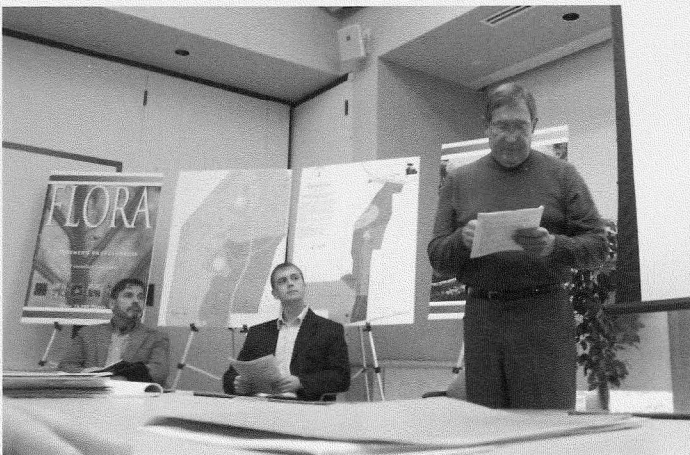
Former Arboretum Director Richard Naskali introduced Dan Heims, the evening's keynote speaker. Dan, the owner of Terra Nursery near Portland, Oregon, is an acclaimed horticulturist and presented a dazzling program for plant lovers entitled "New Perennials from Around the World."

Message From The President

As I write this letter I am very excited and optimistic about the future of the University of Idaho Arboretum and Botanical Gardens. After many months of effort, in October the master planning process finally began with the release of a request for proposals. Eight highly qualified firms responded with written proposals. A panel of nine composed of representatives from Arboretum Associates, the Arboretum Advisory Board, UI facilities as well as Paul Warnick, arboretum horticulturist, and Richard Naskali, Arboretum Director Emeritus reviewed the proposals and narrowed the selection down to the four top firms. Each of the four firms have national reputations in arboretum design.



The selection committee deliberates. Photo by Bill Bowler.



The Portland based firm of Walker.Macy makes their pitch. Photo by Bill Bowler.

On November 18th the four firms came to Moscow to make a presentation to the selection committee. It was extremely gratifying to have firms of this caliber acknowledge the educational significance as well as the beauty of the arboreta on the University of Idaho campus. The firms were very complimentary of the design, function, and appearance of the arboretum. Each of the firms had a different approach and brought differing strengths to the process. While this made a hard decision for the committee, it inspired some very thoughtful discussion about the future and its possibilities.

continued

The committee has narrowed the selection down to two firms and will begin negotiations with the top firm with the hope of having a final selection and firm in place by the beginning of 2005.

The master planning process will involve many opportunities for public input and will be designed to be very open and inclusive. Information on public input sessions will be posted to the website www.uidaho.edu/arboretum as soon as it is available. If you would like to be notified by e-mail please send a message to arbassoc@uidaho.edu. We anticipate the program for the annual meeting will involve an information session with the master plan firm.

I would also like to celebrate the growing level of support from you our donors. In addition to a growing base of membership gifts, this year we were ecstatic to receive the largest single contribution ever. This gift will fund a project in the arboretum to be identified during the master planning process. In addition nearly \$8 thousand dollars were contributed to endowments which provide perpetual support for the arboretum.

Thank you to all our members. Together we are creating a lasting legacy that will provide rich academic and cultural support to the University of Idaho, the Palouse region, and beyond.

Joy Fisher

Daylily Garden Update

The Daylily display garden, funded by the Dwelle family, was started in the spring of 2003 with 89 different cultivars and species of daylilies. Last winter we decided to try to become certified as a national display garden with the American Hemerocallis Society (AHS). One of the criteria for certification is that the garden must include at least 100 different cultivars. So, we worked on coming up with a theme for an additional bed in the garden. One of the first criteria we used for selecting cultivars for the garden was to use the Lennington Award winners, an award given by the AHS for the daylily that performed the best over the entire United States. We included all of the winners back to 1980 in the original planting. The winner for 2003, 'Jan's Twister' happens to be a category we hadn't included in the original planting, known as "Unusual Forms". These daylilies have flowers that have unusually twisted or curled petals and sepals. So, we decided to use that category as the theme for the new bed. Since these are indeed unusual, they are not very common in the trade and it was a little hard to find enough to fill the bed. I asked Claude Hanson, the owner of the only other certified display garden in Idaho, who had generously supported the original planting, if he could supply any of the Unusual Forms. He did not have any available, but suggested that I contact Ned



Hemerocallis 'Arms to Heaven' 8-5-04. Photo by Paul Warnick.

Roberts. He is a daylily hybridizer in Fort Collins, Colorado who happens to specialize in the Unusual Forms. Ned Roberts very generously donated 8 of his very newest hybrids to plant in the garden. Brand new hybrids are very expensive, due to high demand and short supply—so the eight plants that Ned Roberts donated are valued in his catalog at \$795! A very nice donation, which will be fun to watch as they develop.

Paul Warnick



Hemerocallis 'Nathan Sommers', 8-5-04. Photo by Paul Warnick.

Arboretum Associates Donor Roll

Thank you to all the generous donors who supported the University of Idaho Arboretum and Botanical Gardens from July 1, 2003 to June 30, 2004. A total of \$93,649 was received from membership gifts, gifts for arboretum endowments, and gifts to support specific arboretum projects. Your support matters.

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Report from the Horticulturist

It has been another interesting year in the Arboretum with lots of new developments accomplished and in the planning stages. We have planted nine new collections this year, including a Heather display garden, collections of Asian Maples, Asian Chamaecyparis, Asian Dogwoods, Asian Ornamental Grasses and hardy Bamboos, Asian Crabapples, Eastern North American Hemlocks, Eastern North Ameri-



Asian Maple collection, 10-11-04. Photo by Paul Warnick.

can Deciduous Azaleas and a collection of Northern Idaho native trees, wildflowers and ferns, which includes nearly 200 Camas bulbs, the beginning of a new Camas meadow. We have added more than 737 new permanent plants to the collection, consisting of 334 woody trees and shrubs, 269 herbaceous perennials and 134 ornamental grasses. We also



Xeriscape garden and annual flowers, 9-10-04. Photo by Paul Warnick.

planted more than 1200 annual flowers in two different beds and we added 300 daffodil bulbs to the xeriscape garden and the entrance sign beds this fall.

The xeriscape garden has now been through three growing seasons and it has succeeded in demonstrating that it is possible to have a diverse, colorful landscape while using very little irrigation water. The Tall Fescue turf area is probably the most dramatic part of the garden—it was only watered twice this summer in August and it stayed a nice lush green color all summer. Part of the secret to its success is mowing it quite high (we use a push mower set on its highest setting) and watering it heavily when we do water. We use a very basic sprinkler and let it run for 3 -4 hours. The central perennial bed was watered 3 times using the black soaker hose made from recycled tires, and the rest of the beds including the Buffalo Grass patch were not given any supplemental water this year.

Early this summer our fourteen year old tractor lawn mower decided it did not want to work in the Arboretum any



New Hustler Zero Turn mower, 8-12-04. Photo by Paul Warnick.

more. So, we spent the summer testing various new mowers. We decided on a Zero Turning Radius mower because of its extremely good maneuverability and its low overhead clearance. When the new mower was delivered, the salesman demonstrated the turning ability by turning the 6' + wide mower around on the trailer before he unloaded it! The new mower cannot cope with all of our steep slopes; but it is able to do most of the mowing and it has proven to be much quicker and less damaging to overhead branches than our previous mower.

continued

I think the greatest accomplishment of the past summer has been installing a section of automatic, underground sprinkler irrigation. We used a new system of wireless remote controlled controllers that operate on standard nine volt batteries. This allowed us to automate the system without having to install electric power. I have a plan in place to install systems in all the areas that are currently routinely irrigated with hoses and sprinklers. With current budgets and staffing the plan will take ten years to complete.

The arboretum web page (<http://www.uidaho.edu/arboretum/>) has been up and running for more than a year now. This summer I took on the responsibility for keeping the page up to date. I have started a new 'Bulletin Board' page that is changed every month. I write up a different plant each month, tell about whatever new projects might be happening, and write about whatever events will be upcoming. The update is posted around the 20th of each month. For the month of September the page received 378 hits—not a huge number, but respectable for a non-commercial, non-advertised web page, according to our web designer. I hope to spend some of the winter adding more material to the web site, especially plant lists, both for the entire Arboretum and for specific collections and gardens.



Installation of new underground irrigation systems. Photo by Charles Zillinger.

As I said, it has been an interesting year. As we begin the new phase of planning and development by working on a new Master Plan it is more important than ever that the Arboretum receives the outside support and input that has made it what it is today. If you have questions or concerns about the arboretum please feel free to contact me at pwarnick@uidaho.edu or by phone at (208) 885-5978.

Paul Warnick

Treasurers Report

During the first 11 months of calendar year 2004, revenue for Arboretum Associates increased 19.9% over the previous calendar year. The membership gifts, endowment earnings, and plant sale revenue generated \$22,039 to use towards purchases that benefit the Arboretum. The plant sale was a tremendous success, grossing \$7,666 in sales, a 17.6% increase, with only \$1,903 of expenses. A digital camera was purchased and our horticulturist, Paul Warnick, is using it to capture images that are shown on our web page at www.uidaho.edu/arboretum. Funds were also allocated for the purchase and installation of additional plant display labels, hosting of the annual meeting and speaker, annual bed plantings, web site updates, the concert, and the printing of ArborNotes. The budget approved by the Associates Board included a commitment to fund \$30,000 towards the development of a master plan. To date only \$15,000 has been transferred to the project. With one more month in the calendar year additional revenue will be generated from gifts and minor expenses will be incurred that will supplement our November fund balance of \$35,776.

Beverly Rhoades

Shattuck Arboretum Discovery

Early this spring, during a strong wind storm, a large fir tree blew down in the Shattuck Arboretum south of the amphitheater. It left a hole in the canopy of trees that allowed us to see the tops of some trees that were previously impossible to see from the ground. At the time I thought the foliage on two conifers looked quite unusual, but since that foliage was nearly 100 feet up in the air, it was a little difficult to confirm.

This fall semester, Steve Nittolo, the University of Idaho campus arborist, taught a class listed with the Plant Science department called 'Arboricultural Tree Climbing Techniques', aimed at students interested in a career in Arboriculture. The mature trees in the Shattuck Arboretum provided an excellent laboratory for his class to practice techniques. As a condition for permission to use the Arboretum, I asked if they could retrieve samples from the two unusual trees. After climbing up 75 feet into the tree, then using a fully extended pole pruner (another 20 feet) Steve was able to get two excellent samples. I took the samples to Steve Brunsfeld, Professor of Forest Resources, for identification. Purely by luck, Fred Johnson, Professor Emeritus of Forest Resources, happened to be in the office when I stopped by with the samples. After referring to various text books and some discussion it was decided that the trees are *Abies*



Steve Nittolo, campus arborist 75' up in a tree 9-20-04. Photo by Carl Baugher.



Abies alba, European Silver Fir, from Shattuck Arboretum 9-22-04. Photo by Charles Zillinger.

alba, European Silver Fir, and *Abies pinsapo*, Spanish Pin Fir. The latter tree, *Abies pinsapo* is the same species as the tree donated to the new arboretum last year by Gritman Medical Center. So, now the University has two of that rare tree in its collections. The tree in the Shattuck Arboretum is probably the largest in the state of Idaho and perhaps one of the largest on the west coast. We are planning to register both of these trees as state champions with the Idaho Big Tree Program which is administered by Dr. Ronald Mahoney in the Department of Natural Resources. For more information on the champion tree program please visit their website at <http://www.cnr.uidaho.edu/extforest>

Paul Warnick

Baldrige Memorial Arboretum Fund

Established in Memory of H. Fred Baldrige '34 and Dorothy Gooch Baldrige '31

Education, community, nature and family have always been important factors in Dorothy Baldrige Lindsey's '63 life. Dorothy and her parents, H. Fred Baldrige '34 and Dorothy Gooch Baldrige '31 are all University of Idaho graduates. Both of her parents were well-known teachers in the Treasure Valley and spent most of their working lives as educators.

After graduation from Boise High School, Dorothy attended the University of Idaho where she studied microbiology,

served as president of the Alpha Phi sorority house, was a member of Phi Beta Kappa and involved in other campus activities.

Following graduation in 1963, Dorothy moved to Pasadena, California, to continue studies in medical technology. A short time later, she met her husband-to-be, William C. Lindsey, a Ph.D. electrical engineer from Purdue University who was working at the Jet Propulsion Laboratory. They

continued

married, had a son and worked together for many years at their family-owned business, LinCom Corporation. The company had grown to more than 200 employees when it was purchased by Titan Corporation in 2000. The Lindseys continue to be involved in the community, where Dorothy is active in the West Pasadena Neighborhood Association and various other groups and Bill is a professor at the Communications Institute of the Electrical Engineering Department at the University of Southern California.

In honor of her parents who are now deceased, the Lindseys established the Baldrige Memorial Arboretum Fund with a

contribution of \$50,000, the largest single gift ever received to support the arboretum. As Dorothy says, "The arboretum was always my dad's favorite place on campus. He had developed an idea that one can find God wherever you need him and not necessarily in church. The arboretum is a beautiful and serene place that they both loved. I am pleased to be able to support the arboretum at the University of Idaho with a leadership gift. I look forward to providing funds for Phase II of the master plan to be developed and also honor my mom and dad in such a meaningful way."

A Beautiful Evening for the Fifth Annual Summer Concert

The fifth annual summer concert, held Monday, July 12, 2004, attracted a large and enthusiastic crowd. The weather was perfect for picnicking and enjoying an open air concert among the unique spruce trees in the Watts Grove at the north end of the Arboretum. The concert was sponsored by the UI Lionel Hampton School of



Malcolm and Carol Renfrew enjoy a cello solo by Bill Wharton. Photo by Bill Bowler.

Music and Arboretum Associates. Daniel Bukvich arranged and directed the program as he has done since the first concert held in 1999.

The program began with *Eight Primes*, by Daniel Bukvich and was performed by members of the Arboretum Percussion Ensemble: Quentin DeWitt, T. J. Eriksen, Michael Locke, Michael Locke-Paddon, Jesse Schattin, Wendy Stauffer, and Brian Smith. *String Quartet in C Minor, Op. 18 No. 4*, by Ludwig van Beethoven was performed by Wendy Tangen-Foster and Sara Miller, violin; Michael Neville, viola; and Linda Wharton, cello. Bill Wharton played a cello solo, *Adagio*,

by Zoltán Kodály. Quentin DeWitt played *American Suite for Unaccompanied Snare Drum* by Guy G. Gauthreaux, II. A French Horn Quartet including Robert Dickow, David Seamans, Denise Crossler, and Kenton Bird performed *Andantino* by Fernando Sor, *Little Lost Dolly* from *Toy Box Suite*, by Robert Dickow; and *Frippery No. 17* by Lowello Shaw. The surprise of the evening was the Bassoon Trio performing for the first time in the Arboretum. The trio included bassoonists Susan Hess, Deborah Sligar and Sarah Huska. They performed "*Rumpole*" *Variations* by Graham Powning; *Take Five* by Dave Brubeck; and *Polka "Tea dance in the little country manor"* by Juliu Weissenborn. Roger Cole, clarinet and Quentin DeWitt, percussion, played *Corker* by Libby Larsen. Another new group performing was the UI Sax Quartet including Peter Fraser, soprano, Mike Lynch, alto, Mike Locke, tenor and T. J. Riksen, baritone. They performed *Petit Quatuor* by Jean Françaix. The program ended with *ABCDE Rock* by Duahn Komad and performed by the Arboretum Percussion Ensemble and Daniel Bukvich.

Kris Roby



Roger Cole shares his enthusiasm with an appreciative crowd. Photo by Bill Bowler.



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