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OUR WEB SITE AT www.uidaho.edu/arboretum

Shattuck Ledger Article

Robert Seale, Professor Emeritus from the College of Natural Resources, and long-time Arboretum supporter recently passed away. While people were going through some papers in his office they discovered some historical documents. One of the documents is a hand-written ledger from C. H. Shattuck, the person in charge of developing the original Shattuck Arboretum. The ledger is a listing of orders for seedling trees that were presumably grown in the campus tree nursery which was a part of the original arboretum. The trees were sold all over the state of Idaho, with a few shipped to sites in Washington and Oregon. Most of the towns are easily recognizable, but a few are no longer common addresses, like Agatha, Roseville, and Reynolds, Idaho. Most of the trees were apparently sold (and possibly even delivered!) for 1¢ each with some going for 2¢. There seem to be eight different species of seedlings available, Norway Maple, Black Locust, Black Walnut, Red Oak, Austrian Pine, Silver Maple, White Ash, and Box Elder; along with two varieties of Willow cuttings listed as American Willow and Purple Willow. Unfortunately, there is no year indicated on the ledger, but it was probably sometime between 1910 and 1915.

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	<i>Trees Ordered</i>	<i>Cash recd.</i>	
Dec. 16	A. Kershaw - Okanogan, Wash. Fifty Trees. See p 92	.50	✓
Dec. 18	W.D. Taylor - Gooding, Ida. One hundred Black Locust Trees.	1.00	
Jan 24	C. M. Beardsley - Athol, Ida. 5 Maple, 5 Walnut, 5 Black Locust. 5 Catalpa's Oak.	.50	✓
Feb 1	J. D. Huston - Cottonwood, Ida. 100 maple trees. 30 No.	1.00	✓
Feb 15	A. D. Walker - Alfalfa, Oregon. 100 Black locust ... 10 Red Oak 10 Silver maple ... 10 Norway Maple 10 Box Elder ... 10 Black Walnut 50 American Willow Cuttings 50 Purple Willow Cuttings	4.45	✓
Feb 19	Florence Bishop - Cullasac, Ida. 10 Black Locust.	.10	✓
Feb 20	W. C. Sturdevant - Payette, Ida. 75 Norway Maple 50 Red Oak 50 Black Walnut 25 Norway Pine	4.50	✓
Feb 20	W. S. Malley - Jerome, Ida. 60 White Ash 50 Norway Maple 50 Red Oak 10 Box Elder 20 Austrian pine 10 Black Locust	4.50	✓
Feb 22	S. W. Green - Boise, Ida. 100 Locust 10 Black Walnut 10 Norway maple 25 White Ash 50 Silver maple 5 Box Elder	4.50	✓
Feb 22	Robert Noble - Boise, Ida. 100 Black Locust 50 Silver Maple 10 Norway Maple 10 Black Walnut 25 White Ash 5 Red Oak	4.50	✓
Jan 26	J. M. Markel, Buhl, Ida. 100 trees for school ground. 50 Walnut 10 Box Elder 10 Red Oak 10 Silver Maple	1.00 22¢ 5¢	✓

Paul Warnick

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ARBORNOTES

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

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FEBRUARY 2006

American Hemerocallis Society Display Garden

When we began developing the George Dwelle Daylily Garden, one of the goals was to become certified as a national display garden by the American Hemerocallis Society. The requirements for certification include having a collection of at least 100 different cultivars in a well maintained display with legible permanent labels. The garden also has to be a member of the Society for at least three years. The Society does require an application and also requires a visit from a member of the Society to verify the facts on the application. We became a member of the Society in the spring of 2003 when we were planning the new garden, so this year we fulfilled all requirements for certification.

Bob Guenther, a member of the Society from Coeur d'Alene came down to do the site visit on October 24, 2005. He sent the following message to the chairman of the Display Garden Committee after his visit. On November 7, 2005 we received official notification that the Arboretum's daylily display garden will be listed as a national display garden in the Society's newsletters and on its website.

Paul Warnick

Hi Mary Lou,

Maryann and I had a very enjoyable tour of the University of Idaho Arboretum Botanical Garden yesterday (wed 10-26-05). Mr. Paul Warnick showed us through the grounds and we were joined by Mr. Bob Dwelle, a major supporter of the daylily garden.

The George Dwelle Daylily Display Garden is located at the South entrance to the Arboretum in a very beautiful setting with a small brook running through the center. There is a very nice Iris garden to the East and Heathers garden to the North with a lovely ornamental grass garden nearby.

The gardens are meticulously maintained. The daylily display garden is composed of 6 separate garden areas of approximately 20 plants each arranged along a walking path. The area outside the gardens is planted in grass and makes it an easy matter to walk around each garden to view the individual day-lilies. Plants are, in general, spaced about three feet apart and are very healthy plants that have formed very nice clumps.

*As this is late October, none were in bloom at this time. The plantings are arranged with similar colors grouped together in the various gardens as well as spider/doubles, unusual forms and miniatures. Spider/doubles and unusual forms are well represented in separate gardens, and one garden has a nice representation of 12 specie plants as well as earlier and later registered yellow and orange selfs. Diploids and Tetraploids are well represented. All plants are labeled with large easy to read permanent plant markers. In my opinion, the garden provides a very good representation of some of the important specie daylilies (such as *fulva* and *multiflora*) and early cultivars (such as *Hyperion* (Mead 24), *Autumn Minaret* (Stout 51), and *Full Reward* (McVicker & Murphy 57). Other gardens contain later cultivars that set the standard for the present, and many of*

continued

the more recent cultivars that are well loved (and have received the various awards of excellence).

Overall, the gardens contain over 100 different cultivars of which about 85 have received awards, including 21 with the Stout Silver Medal, plus the specie plants. These are daylilies that will probably perform well every where and demonstrate the wide variety of colors, shapes and contrasting eye zone and edge colors that make daylilies so unique. I am sure guests of the garden will come away with a whole new appreciation for daylilies. The garden is not currently intended



Paul Warnick

to reflect the very latest advancement or cutting edge developments in the hybridizer enhanced evolution of the daylily flower (plant), although some of the unusual form cultivars are very recent registrations. As it is presented, the George Dwelle Daylily Demonstration Garden may be viewed as a wonderful example of the history, the beauty and the diversity of daylilies. All who view this garden will have an enhanced appreciation of daylilies and, I am

sure, many will be compelled to plant some in their own garden. What more could we ask for? Bob

Arboretum Plant Sale Continues to Grow

It seems that each year the plant sale just keeps getting bigger and better and this year was no exception. By the time the doors opened, eager gardeners were lined up well into the parking lot. Some of the excitement around this year's event was the first public sale of the **Gnarly Poplar™** tree developed at the University of Idaho. This cultivar had just been planted in the National Arboretum in Washington D.C. in May. All 40 trees that were available were sold in just over an hour. Once again locally grown and developed hostas were also a featured plant along with many other spectacular offerings. Gross sales for 2005 increased over 28% to over \$9,000 dollars. Overall profits increased by 26.5%. Thank you to all the volunteers who made the sale possible. Mark your calendars now for the next plant sale which will be on June 3, 2006.



Making preparations for the plant sale.

Summer Breezes and Sweet Sounds – Summer Concert Draws Record Crowd

The title of the summer concert, *Summer Breezes and Sweet Sounds*, was a perfect description of the sixth annual summer concert held Monday, July 18, 2005, near the Watts Grove at the north end of the Arboretum. Beautiful music and sweet breezes combined to make an unforgettable evening. The concert was dedicated to Joy Fisher for her years of leadership as President of the Arboretum Associates Board of Directors.

The crowd of close to 250 concert enthusiasts enjoyed an eclectic program of chamber music sponsored by the University of Idaho Lionel Hampton School of Music and Arboretum Associates. The program was arranged and directed by Daniel Bukvich of the Lionel Hampton School of Music. The musicians were faculty, students and alumni from the Lionel Hampton School of Music.

The program began with an innovative piece, *The Bernoulli Effect*, by D. Komad. It was performed by members of the Arboretum Percussion Ensemble including Daniel Bukvich, Spencer Martin, Quentin DeWitt, Michael Locke-Paddon, Tony Saccomanno, Mike Locke, Kristen McMullin, Kevin Kovalchik and Joseph Stussi. The children in the audience loved the exploration of sounds and unusual instruments. The next piece featured Alheli Pimienta on Flute and Scott Krijnen on cello playing *The Jet Whistle* by H. Villa-Lobos.

The piece was virtuosic and fast. It was followed by Professor William Wharton who played a beautiful cello piece by L. Boccherini, *Cadenza* (from concerto in Bb major). A lively and passionate group of musicians playing flutes and calling themselves *Flutopia* performed *La Milona* by C. Caliendo. The performers included Professor Merrie Siegel and students Alheli Pimienta, Kristen McMullin and Natalie Hubner. Quentin DeWitt performed a solo percussion piece, *Morris Dance*, by W. Kraft. Next, Linda Wharton played a light and beautiful piece on the cello titled *Rondo* by Boccherini. This was followed by an original piece of music written by UI student Kevin Kovalchik for marimba entitled, *rain falls on water*. The piece was atmospheric and beautiful in the setting of the Arboretum. Professor Susan Hess and UI student Deborah Sligar, bassoonists, accompanied by Quentin DeWitt on marimba played a Latin American Waltz titled, *Motivas* by V.A.Meza. Scott Krijnen, UI alumnus and recent graduate of the San Francisco Conservatory of Music played a moving solo cello piece, *Suite No. 1 in G* by J. S. Bach. The program ended with a composition by Dan Bukvich, *Concerto for Timpani and Percussion*, performed by Spencer Martin, solo timpani, and the Arboretum Percussion Ensemble. The energetic and bombastic piece was a terrific ending for the concert.

Kris Roby

Message from the President

This past fall the major effort of the Arboretum Associate Board has been to craft a response to the proposed multi-field mixed sports complex on Palouse River Drive. Our intent has been to be good neighbours and to protect the character of the arboretum and its environs.

The first priority of the New Year is to complete the master planning process.

I would like to thank all the members and friends who have helped us to further the development of University of Idaho Arboretum and Botanical Garden, one of the treasures of the Palouse region.

Bill Bowler

Three Fine Fall Flowers

If you are adventuresome, want to extend your garden's flowering season, and are willing to search for some "new" plants for displays, the following uncommon plants will reward you with flowers and inflate your self-esteem when you successfully culture them in your garden. With the proper choice of habitat in U.S.D.A. hardiness zone 5 or warmer, you can have the following plants as specimens in your Idaho garden. (I have had them for a number of years in my Moscow garden). Via searching the Internet, you can find reputable merchants who sell and ship these plants.

Saffron crocus (*Crocus sativus*) has been propagated vegetatively for centuries for the hand-picked stigmas which are used for natural food coloring and the dye used for coloring monks robes. The saffron crocus is a seedless perennial which begins renewed growth of foliage in October in Moscow, ID. The grass-like typical leaves of saffron



Saffron crocus, flower and fresh stigmas, November 11, 2005.

crocus continue growing under and through snow until the following spring. The beautiful violet purple striped flowers appear in October and continue flowering until hard freezes begin. Plant the corms in a sunny spot that receives little irrigation through the dormant summer period. In addition to having flowers to enjoy, you can harvest and air-dry the non-toxic stigmas for coloring foods, thus saving the high cost of purchasing saffron at the grocery store—currently selling at \$15.65 for 0.046 ounce in Moscow, ID (equals circa \$5,585 per pound). Today, much of the world's saffron is cultured in Spanish fields. Crocuses are in the Iridaceae, the Iris family.

Sternbergia (*Sternbergia lutea*) in the Amaryllis family (Amaryllidaceae) together with *Narcissus* and many other ornamentals, is an uncommon garden plant which flowers in October and November in my Moscow garden. It is native to Mediterranean Europe. Its strap-like leaves begin emerging in late September before flowering. Flowering with

brilliant yellow flowers often continues until hard night frosts start. In late spring, the leaves senesce and the plants are invisibly dormant until September. In Moscow and other cold places, a good habitat is near a brightly lighted basement wall where the soil receives little moisture during the summer dormant period and does not become water-logged in the remainder of the year.



Sternbergia flower, November 11, 2005.

Hardy Cyclamen (*Cyclamen hederifolium*, *C. coum*) plants are long-lived perennials which thrive in partial or dappled shade. They are hardy in U.S.D.A. hardiness zone 5 and grow best in moderately moist soils rich in humus. In both of these species, flowers range from rich pinks to pure whites. *C. hederifolium* (= *C. neapolitanum*), native from eastern France, southern Switzerland, through Greece, Bulgaria to Mediterranean islands to western Asiatic Turkey, flowers in Moscow from August into hard freezing times in November. *C. coum*, native primarily in Turkey and the Caucasus Mountains, flowers from late winter into spring in Moscow.

Both of these species are leafless and dormant in mid-summer. *Cyclamen*, which belongs to the Primrose family (Primulaceae) has some 18 other species which are not reliably hardy in Moscow. (The largest flowering cyclamen, *C. persicum*, is the frost-sensitive



Cyclamen hederifolium, October 15, 2005.

stunning pot plant frequently sold during the holiday season for its single to double, white to pink flowers, and beautifully marbled leaves. It is native among the Greek islands, Lebanon, Palestine, and North Africa).

Richard J. Naskali

Arboretum Associates Donor Roll

Thank you to the many generous donors who supported the University of Idaho Arboretum and Botanical Gardens from July 1, 2004 to June 30, 2005. A total of \$24,261 was received from membership gifts, gifts for arboretum endowments, and gifts to support specific arboretum projects. Your support makes a difference.

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Arboretum Associates Response to Ballfield Location

The City of Moscow Parks and Recreation Department has proposed building a 44 acre sports complex immediately south of the University of Idaho Arboretum. The City Council has already purchased, annexed, and rezoned land on Palouse River Drive. In response to



concerns expressed by both the neighborhood and supporters of the Arboretum the city sponsored a town meeting October 18, 2005 to listen to concerns expressed by the neighbors, Arboretum Associates, and supporters of the development of additional ball fields. The following letter was sent to the City Council to express the concerns shared by the Arboretum Associate Board. In response to this letter and other concerns expressed to the City Council at its December 5, 2005 meeting a committee was appointed to work on resolution. The committee is charged with exploring different options and resolving issues associated the development of this project. For further updates see our website or additional background on a website privately sponsored by the neighbor organization, www.savethearboretum.com.

Joy Fisher

Dear Mayor Comstock and Moscow City Council Members:

As members of the Board of Directors of Arboretum Associates and stewards of the University of Idaho Arboretum and Botanical Garden, we are writing to present our comments on the proposed use of the property on Palouse River Drive. First, we want to endorse the concept of neighborhood parks and playfields in all parts of the city. But we also want to express our concerns about the current proposal for a multi-field mixed sports complex on Palouse River Drive directly south of the UI Arboretum and Botanical Garden. The negative impact of this proposal to the University of Idaho Arboretum and Botanical Garden could be significant. As has been stated in public discussion on this issue, the Arboretum is a "jewel in the University of Idaho's crown." It is

the finest and most extensive arboretum and botanical garden in the state of Idaho and clearly among the best in the Pacific Northwest. To have such a gem in the small community of Moscow is a rare prize.

It is a matter of grave concern to the Arboretum Associates that such an extensive

project could interfere with the Arboretum's presence in the community as a place of reflection. In its 25 years of existence it has been the mission of the UI Arboretum to provide a place for study, learning, inspiration, and beauty. A park, as was stated so succinctly by landscape architect Frederick Law Olmsted, is a place where "a human presence" can enjoy "God's handiwork." It is, we believe, a park but it is more than a park. The Arboretum is a living museum that provides an opportunity to study diverse plants from around the world.

Members of Arboretum Associates have devoted tremendous energy and funds to the development of a Master Plan this past year to help bring the UI Arboretum to the next phase toward its full potential for future generations. The hope has been that this process would allow for partnering with the City of Moscow and surrounding neighbors to develop projects that promote the mission of the Arboretum through complementary and compatible design. Since the Arboretum is surrounded by residential neighborhoods to the east, the University to the north and a golf course to the west, the farmland to the south presents the only possibility for future harm. As one stands on the north crest of the Arboretum, a view to the south interrupted by ball fields with plywood signs and chain link fences seems completely out of character with the beauty of the Arboretum. The Arboretum is a place that would be complemented by the development of a true family park and playfield on the Palouse River Drive property. While noises from a baseball game are not unpleasant, the noises associated with the commercial aspects of the proposed sports complex are not complementary to the UI Arboretum.

continued

To address our concerns, the Arboretum Associates respectfully request that the City consider the following:

1. First and foremost, the City must recognize the value of the Arboretum to the community. It is a unique attraction that draws many visitors to Moscow. Anyone who has spent any time there knows that its beauty does not simply come from the surroundings. It is the place in our community reserved for solitude, quiet reflection and nature study. To disrupt that in any way would be a travesty. We ask the City to investigate alternate site opportunities.
2. The Arboretum Associates recognize the need for additional youth ball fields and embrace youth baseball such as American Legion, Babe Ruth, and Cal Ripken as character building activities. Clearly, however, since most of the residential development in Moscow is to the north and east, it seems most logical to place ball fields closer to the areas of development. The current proposal in southwest Moscow would require young children to travel, often by bicycle, across town to access the facility. It would seem more reasonable to propose a facility that is more centrally located where sidewalks and streetlights are already in place. The City should seriously consider the current water situation before engaging in such an extensive project. In its recent decision to significantly increase water rates, the City has effectively taken away the opportunity for many families to pursue their love of gardening. Whether flowers, trees, shrubs or vegetables this, too, is a character building activity, an opportunity for a family to work together to beautify and appreciate nature while teaching children to learn that there are fruits to labor. Gardening is probably

the greatest avocation available to families around the world. No doubt baseball does the same thing, but the City can hardly justify using thousands of taxpayers dollars to water ball fields while discouraging homeowners from watering their lawns and gardens.

3. Finally, the Arboretum Associates stand ready to work with the City to develop a plan for the Palouse River Drive property that would result in a true neighborhood park.

The City has committed to scheduling a public meeting prior to the City Council's final decision on the Palouse River Drive Sports Complex. When the date has been set it will be posted on the Arboretum website www.uidaho.edu/arboretum/ and we will encourage members of Arboretum Associates to attend. We are eager to participate actively in all phases of planning for the Palouse River property and hope to resolve these controversies amicably.

Thank you for your immediate attention to this matter.

Sincerely,

Bill Bowler, President
 Joy Fisher, Past President
 Gina Taruscio, Vice President
 Jan Leander, Secretary
 Beverly Rhoades, Treasurer
 Donna Hanson, Member at Large
 Kris Roby, Member at Large
 Joanne Sutton, Member at Large
 Dave Wenny, Member at Large
 Paul Warnick, Arboretum Horticulturist
 Dr. Richard Naskali, Retired Director

Email Newsletter

I have started writing an update to our website every month. I write about a specific plant that looks especially striking at that time of the year, an update on current projects going on in the Arboretum and a listing of any upcoming events. If anyone is interested, I could email that page to you every month when I am posting it to the web. If you would like to be on a mailing list to receive that update once a month please send an email to pwarnick@uidaho.edu and I will add it to the list. I will keep any addresses confidential and I will not share the list with anyone else.

Paul Warnick

Report from the Horticulturist

I am writing this in early November, and it is finally beginning to look like this growing season may come to an end soon. Although the tender annual flowers planted in the south end of the arboretum froze on September 22, the same plants in a bed at the top of the hill at the north end of the arboretum are still unfazed by the weather. There is almost 200 feet difference in elevation between the top and bottom of the arboretum, so the bottom is a dramatic example of a frost pocket, caused by cold air draining from higher ground to lower elevations. I think that on some mornings there can be as much as 10 degrees difference between the two ends. However, there is now snow on the top of Moscow Mountain that has remained for a few days, so a real killing frost can't be too far off here in Moscow.

The year began with an incredibly mild, dry winter and early spring which caused the early flowering plants to start much earlier than usual. Most years our collection of Forsythia will start flowering in early April, but this year many of the cultivars were in full bloom by early March. The amazing thing was that the color lasted until mid April, nearly as long as it usually lasts when it starts a month later! The early flowering Magnolias, which almost always seem to lose their flowers to spring frosts, escaped with virtually no frost damage this year. Later in the spring we did get enough rain to delay irrigation until mid May. The rain probably did damage some lilac and crabapple flowers, but it was still a very showy spring season. The fall foliage color has also been outstanding this year. The combination of no early killing frosts, and no violent wind or rain storms, combined to keep the leaves on the trees for a long time, and the cool dry nights were enough to bring out the colors. The arboretum is still in the process of updating the Arboretum Master Plan. Any new developments have been

delayed until that plan is completed and approved, in order that any future installations will work toward specific goals. That has slowed down new planting somewhat, although we were still able to add over 350 new woody plants and herbaceous perennials to the existing collections. Some of

the highlights of those additions would be the 12 new cultivars of lilacs, three new tree peonies and five new Palouse Prairie native wildflowers added to the xeriscape garden. Perhaps the most valuable addition to the collection this year is the more than 500 Camas bulbs which we were able to salvage from the new Highway 95 construction site. Camas was an important food source for Native Americans, and this



patch was very likely used for that historically. A large part of the patch had to be torn up and covered up by the new construction, but fortunately the Idaho Transportation Department was willing to allow people to salvage the bulbs prior to construction.

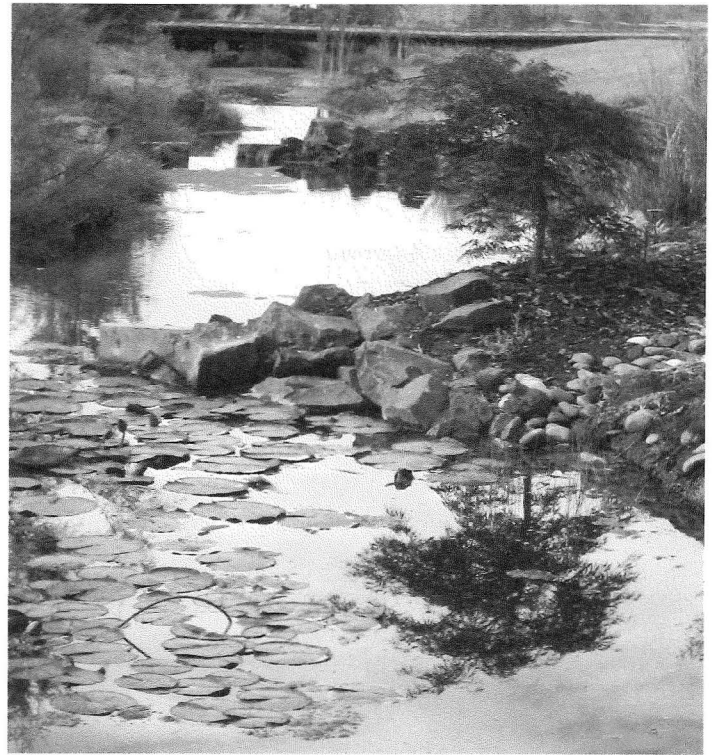
The project that will make the biggest difference in the future operation of the Arboretum is the installation of automatic underground sprinklers. We started this project in the fall of 2004 with one phase and hoped to be able to do a phase or two a year. It has turned out to be easier and less expensive than anticipated, and we were actually able to complete five more phases this year. The parts for the systems were paid for from Arboretum Associates funds, primarily proceeds from this year's plant sale. The labor was provided by the crew of student workers, in between the time required for regular arboretum maintenance. The six areas that have been done are still a small percentage of the entire arboretum, but we have concentrated on areas that are time consuming and hard to reach with our original system of hoses and sprinklers. So, it is all ready making a dramatic difference in the time required to move sprinklers.

continued

The newly installed systems do a far better job of water distribution than we were able to do with the hoses and the newly installed areas begin to look better almost immediately.

It has been another productive year in the Arboretum, and with the continued generous support of the Arboretum Associates I am confident that we can continue to improve the Arboretum and its collections. Please remember to check the Arboretum website <http://www.uidaho.edu/arboretum/index.html>, for updates on upcoming events and other Arboretum news. I have been posting updates on the opening page and doing a new "Bulletin Board" page around the first of each month. The "Bulletin Board" always has a new "Plant of the Month" as well as a write up about any current projects or developments in the Arboretum.

Paul Warnick



A Short Book Notice-Review: a great gift book

The Naming of Names: the Search for Order in the World of Plants, 2005, by Anna Pavord. ISBN 1-59691-071-2. Bloomsbury (Publisher). 471 p.

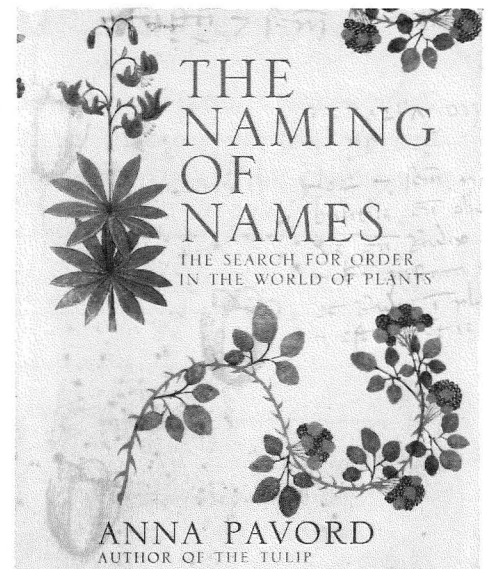
In the plethora of plant books published each year, this beautiful tome is a rare and valuable treat to provide the world with a unique view into 2,500 years of botanical art and history; it provides easy reading and voluminous data that are valuable to a wide range of persons—from hobby gardeners to botanical scholars. It presents a chronology beginning with the earliest Greek scholars and emphasizes the European "makers of botany" because European scholars were responsible for developing the systems and codes which underlie our current practices for naming plants. Pavord also included chapters to elucidate the immense contributions to botanical history from the Middle East and the Americas. The 159 superbly reproduced colored illustrations represent a marriage of important botanists, plant introduction, botanical illustration methods, plant geography, and plant structure; illustrations were obtained from the world's greatest botanical archives and libraries. In addition, Pavord presented a concise chronology of botanical milestone events (387 B.C. to 1753) and thumbnail para-

graphs in a "Cast List" to remind readers of the diversity of many key contributors to the science of botany.

If you wish to learn the origins of medicine in botany, or the im-

ense contributions to learning from the glory days of Persia, Baghdad, the library at Alexandria, Egypt, or the origins of our major and minor economic plants which nourish us, or if you wish to see scores of botanical highlights from notable artists, this magnificent book cannot be eclipsed—all for a mere \$45.00!

Richard J. Naskali



Anna Pavord's book jacket.



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