



**Survey of Botanical Gardens and Arboreta  
Sabbatical Report - Patricia S. Holloway**



# SABBATICAL LEAVE REPORT FORM

(To be completed within three months after returning from leave)

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Acad Rank Associate Professor Sabbatical Leave Dates Aug 25, 2002 through Dec 28, 2002.

*Additional material may be attached in response to the following summary:*

1. List the objectives of your sabbatical leave as listed in your proposal and indicate how completely they were met.
  1. Contact directors and managers of selected botanical gardens and arboreta to study their mission statements, master plans, educational programs, WEB technology-based programs, fundraising goals, endowment objectives, volunteer programs and associations with community organizations with particular emphasis on gardens associated with public colleges and universities.

Information from contacted botanical gardens and arboreta are summarized in the attached files. The number and quality of botanical gardens and arboreta in the United States and Canada was far greater than I expected. I had anticipated a dozen or so gardens associated with Land Grant institutions, but in fact, nearly every one has such a program. This number required that I redirect my attention to studying Land Grant programs, and even in this category, the three-month period was insufficient to contact everyone and complete a thorough survey. My travels included a variety of gardens from university-affiliated research gardens to zoos whose plant collections were food and shelter for animals and birds. A preliminary summary of findings is attached.

2. Visit specific gardens to learn about successful programs and strategies and gain a better understanding of organization, interactions with academic and research programs, and growth potential in a university setting. Correspond via email and letters with programs too distant for travel.

Gardens visited:

Arizona Sonora Desert Museum, Tucson, AZ  
Arizona State University Arboretum, Tempe, AZ  
Biosphere II conservatory and research greenhouses, Oracle, AZ  
Denver Botanic Garden, Denver, CO  
Desert Botanic Garden, Phoenix, AZ  
Devonian Botanic Garden, Edmonton, Alberta, Canada  
Dorothy Harvie Gardens and Perennial Hardiness Research Trial gardens, Calgary Zoo, Calgary, Alberta, Canada  
Gold Ridge, Luther Burbank Trial Garden, Sebastopol, CA  
Huntington Library, Museum and Botanic Garden, San Marino, CA  
Kartchner Caverns State Park hummingbird garden, Willcox, AZ  
Maple Leaf Gardens, Toronto, Ontario, Canada  
Mendocino Coast Botanic Garden, Ft. Bragg, CA  
Mission Santa Ana Courtyard Gardens  
Mission Santa Barbara Gardens, Santa Barbara, CA  
Montana State University Campus Gardens and Environmental Center  
Music Garden, Toronto, Ontario, Canada  
Muttart Conservatory, Edmonton, Alberta, Canada  
Niagara Parks Horticultural Gardens and Butterfly gardens, Niagara Falls  
Pennsylvania State University Trial gardens, State College, PA  
Phipps Conservatory, Pittsburgh, PA  
Quail Botanic Garden, Encinitas, CA  
Royal Botanic Garden, Hamilton, Ontario, Canada  
San Diego Zoo Gardens, San Diego, CA  
San Luis Obispo Botanic Garden, San Luis Obispo, CA  
Santa Barbara Botanic Garden, Santa Barbara, CA

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SeaWorld Discovery Gardens, San Diego, CA  
Strybing Arboretum and Conservatory, San Francisco, CA  
Syberling Naturealm, Akron, Ohio  
University of Arizona Campus Arboretum, Tucson, AZ  
University of California Berkeley Botanic Garden, Berkeley, CA  
University of California Davis Arboretum, Davis, CA  
New Mexico State University trial gardens- Las Cruces, NM

Gardens investigated: see attached list

3. I will compile all this information and in January 2003, begin to organize an advisory team of UA personnel (including, but not limited to, the SALRM dean or representatives of that office, a member of the Fairbanks Experiment Farm master planning committee, Chancellor's Office, Provost's Office, UAF College of Fellows, UAF Development Office, UA Foundation, office of the Dean of Students, and community members (taken from our existing list of donors, volunteers and SALRM board of advisors) to help set long-term goals and strategies for the UAF Georgeson Botanical Garden.

Because of the sheer volume of information I received, I will delay interviews with UA personnel until at least April.

2. Provide a summary of your sabbatical activities and the associated benefits to yourself and UAF.

I suppose the most important overall conclusion from my sabbatical was that the Georgeson Botanical Garden is doing very well, thank you very much! Our programs, though tiny, are not unlike many university programs that strive to meet the basic combined mission of education, research and service. I was surprised to learn most Land Grant institutions have some kind of botanical garden/arboretum, and the programs are incredibly diverse. They range from simple trial gardens similar to the program at UAF in the early 1970s to campus arboreta where the entire campus is an outdoor classroom. There are gardens managed by directors through campus physical plant grounds maintenance programs to a handful managed by one person such as the GBG. Some are organized around specific botanical research collections, while others are natural areas managed around education and extension programs. Some are quite famous and richly endowed such as the Cornell Plantations, and others are small, regional gardens funded through the good graces of local citizens. All seemed to provide a benefit to their respective university that went beyond the managing program. The most common type, the campus arboretum, strove to enhance the beauty of the campus through educational landscape projects. These projects not only provided a sense of ownership of the campus by student participants, but also provided a beautiful campus that was certainly used by university administrations in recruitment activities and public events.

The University of Alaska now needs to decide what role the Georgeson Botanical Garden will play in its future. It can remain a one-person endeavor, but it can also become, over time, a multi-disciplinary program with benefits far beyond a single program. I have attached a preliminary summary of the most pertinent findings, although it will be months before I finish sifting through all the information I gathered. During the next year, I will be interviewing many people in the community and university to help me answer the questions, "Where do you see the GBG heading in the next 20 years, and what role should it play at the University of Alaska Fairbanks?"



The purpose of my sabbatical was to study botanical gardens and arboreta associated with colleges and universities and learn about their programs, structures, administration and funding. My original list was derived from membership lists of the American Association of Botanical Gardens and Arboreta (AABGA). From that list, I learned that few Land Grant Colleges had such programs, so my search was broadened to include private and public colleges, universities and community college programs. I also intended to visit as many gardens as I could, as well as research web sites for program information.

My original assumption about Land Grant institutions was flawed. Midway through my research, I learned that most Land Grant institutions have a botanical garden or arboretum (Table 1). They simply are not members of AABGA! I changed directions and began to focus on Land Grant programs because of their shared missions of education, research and public outreach as well as programs in Agricultural Experiment Stations and Extension Services.

I traveled twice during my sabbatical. The first trip in October was a three-week trip from Fairbanks, Alaska along the Alaska Highway and southeast through Edmonton and Calgary, Alberta, Canada and into Montana. I visited community gardens, city parks and public and university gardens along the way. The second, more extensive trip began in San Francisco and extended north toward Humboldt State University, south through central California, then along the coast toward Los Angeles. I explored gardens throughout the area then traveled south toward San Diego and east into Arizona and New Mexico. The final tour ranged from New Mexico State University through Las Cruces and Colorado Springs to Denver. Gardens included outstanding public gardens at zoos (San Diego Zoo) and marine aquaria (SeaWorld Discovery Gardens), gardens in city parks and historic sites (i.e. Santa Barbara and San Luis Obispo B. G., Santa Ana Mission garden, Mendocino Coast B.G. ), university gardens and arboreta (i.e. U.C. Berkeley, U.C. Davis, Arizona State, New Mexico State, Biosphere II), independent nonprofit gardens (i.e. Arizona-Sonora Desert Museum, Denver Botanic Garden), and huge lavishly-endowed estate gardens (i.e. Huntington Library, Museum and Botanic Garden).

One week prior to the official start of my sabbatical I made a combined research/garden tour/ personal trip to western Pennsylvania and New York, eastern Ohio and the Niagara Falls region and Toronto, Ontario, Canada. On this visit, I toured a national botanic garden (Royal Botanic Garden of Canada), public nonprofit gardens (i.e. Phipps Conservatory, Toronto Music Garden) as well as those managed by county Parks and Recreation Departments (i.e. Niagara Parks Gardens, Sieberling Naturealm).

I compiled a significant amount of information. Because the list of botanical gardens and arboreta was far greater than I thought, I have not completed the entire analysis. I am still receiving e-mail responses from directors and executives across the nation.

My research so far has been reassuring. Thirteen years ago when I dared to suggest a botanical garden at UAF, the suggestion was met with overwhelming moral and some financial support from former Dean James V. Drew. To say that my program met with support anywhere else in the University system including faculty in my own department would be an overstatement. Reception was lukewarm at best, and it certainly did not include offers of assistance in development, management or financial support. Today, the GBG has received strong support from many levels of administration although it is still, for the most part, a one person program. Responsibilities for development,

management, administration, fund-raising, lie primarily with one faculty member. Me. I hold no formal administrative position, although Dean Drew agreed to allow me to use the title of Director simply because it was demanded by potential funding agencies, other botanical gardens and those seeking to cooperate with the GBG. There are no formal administrative responsibilities in my workload, nor are any acknowledged in any administrative agreement (That must be my volunteer time!).

### **What I have learned so far.**

There are many beautifully landscaped university campuses that have no organized arboretum/garden structure. Campus plantings are maintained by experienced grounds crews for the benefit of the faculty, staff, students and visitors. There are also campus research, educational and outreach programs relating to plants that are not organized into a botanical garden/arboretum. The decision to organize into a botanical garden/arboretum usually begins with a lack of money to sustain existing programs, a desire to expand, safety and security reasons, and/or a desire to forge greater relationships with the surrounding community.

The Georgeson Botanical Garden was begun 13 years ago for safety reasons as well as to develop better ways of providing plant information to the community. Beginning in the early 1970s, tourism increased significantly with the construction of the Pipeline. At that time, there wasn't much to see in Fairbanks, and tour companies were hard pressed to fill their daily schedules. Buses began showing up at the Experiment Farm demonstration gardens mostly because of the impressive flower trial gardens. There were few amenities for visitors, and they viewed whatever experiments were being conducted at that time. There were no signs and few plants were labeled. Visitors slid down muddy paths and tripped over exposed stakes and hoses. The decision in 1989 was either to fix the problems and provide a safe, enjoyable environment for visitors or close the entire garden to visitors except on occasional open houses. The latter option was impossible. Too many buses and visitors were arriving daily to stop them entirely. And so, the Georgeson Botanical Garden was born to improve visitor safety and promote a positive public outreach program at the Experiment Farm.

In my research I found that most botanical Gardens and Arboreta originate on campuses in one or a combination of the following ways:

- 1) They emerge from a desire to have a well-landscaped campus. Many East Coast campuses were designed by famous landscape architects (i.e. Farand, Olmstead). Campus arboreta/botanical gardens arose as a need to preserve these historic assets.
- 2) The institution received a substantial donation of dollars, land or plant collections for the express purpose of developing a botanical garden/arboretum.
- 3) An individual or department desired an outdoor laboratory for support of classes in botany, horticulture, landscape architecture, etc., and a formal botanical garden/arboretum arose to maintain and preserve these programs on campus.
- 4) An individual or department designed gardens to expand public outreach programs as a way to encourage community members to visit campus, educate K-12 children's groups, and recruit students.
- 5) One person developed a program, usually as trial gardens for ornamental plants, and the program expanded into a public garden.
- 6) Community groups formed partnerships with institutions to preserve programs, valuable plant collections, and land in danger of extinction via budget cuts, campus construction

projects, etc.

- 7) Campuses and/or community groups proposed to preserve the educational, research or outreach values of natural areas on or near university lands.

Because of the diverse origins of campus gardens/arboreta, the type of administration is quite diverse (Table 10). Besides their historic origin, gardens/arboreta seem to be divided among four general categories based on years of existence, amount of public support and donations, amount of top down administrative support, and mission:

- 1) campus wide administration and management,
- 2) single school or department management,
- 3) single faculty member management, and
- 4) university-community partnerships

Gardens with campus-wide administration, have an arboretum/garden embraced by the entire university and supported by a director who answers to a provost, chancellor, president or campus-wide program such as Facilities Services. Their “home” is not a single department or school, but is integrated into several programs. Within this category are most programs in which the entire campus is an arboretum (i.e. University of Georgia, University of Nevada-Reno, American College). It also includes campuses with historic or famous landscapes, and those with large-scale donors. Campus-wide arboreta have many multicomponent missions (Table 2), the most common of which include:

1. an outdoor classroom and laboratory for courses in landscape design, horticulture, urban and community forestry, plant pathology, entomology, dendrology, botany, engineering, geology, systematic botany, ecology, and art,
2. preservation of historic structures, gardens, plant collections or ‘champion’ trees,
3. campus beautification and spin-off applications in recruitment and retention, recreation, safety
4. enhancement for donated sculptures, memorials, plazas, benches, walls, and
5. management of campus natural areas

The second type is single school or department administration. Most of these programs are housed at a specific location on campus such as lands surrounding the Horticulture Building or at an Experiment Station research site. Their mission is more closely related to the mission of one school rather than the entire campus. These programs are located on campuses that have very large horticulture or landscape architecture programs or accessible experiment station programs and ornamental trial gardens (i.e. Purdue, Ohio State, Univ of Maine, Univ of Minnesota, Colorado State) Their mission usually includes one or more of the following:

- 1) an outdoor classroom in horticulture, urban forestry, landscape architecture,
- 2) research trial gardens, demonstration gardens, and/or
- 3) public outreach programs such as Master Gardeners and extension programs

The single-faculty program is based upon the research, educational or outreach programs of a single faculty member. Normally, this route involves a faculty member working in ornamental horticulture or landscape architecture. Let’s face it. It’s hard to attract visitors (except maybe Iowa farmers) to a field of soybeans or barley! These gardens often develop because an occasional public open house leads to greater numbers of visitors, and this, in turn leads to an expansion of gardens

and more visitors, etc. (i.e. New Mexico State, South Dakota State, University of Alaska Fairbanks) Often, these single-person efforts lead to greater complexity and administration. The most well known in this category is J.C. Raulston Arboretum at North Carolina State University named after its founder and one of the most dynamic and productive horticulturists in landscape plant materials in North America. It is no longer a single-person program but supports research of multiple faculty in horticulture.

There are institutional arboreta/gardens that exist because of a strong university/community partnership. These programs emerged mostly because the University had undeveloped land, and the community proposed a partnership where both entities could benefit from the existence of a park/arboretum/garden. This type is exemplified mostly with private institutions such as Connecticut College Arboretum, a joint partnership between the College and the cities of New London and Waterford. North Dakota State University has developed a partnership with the Dickinson Parks and Recreation District to form a quasi-arboretum on the grounds of the Agricultural Experiment Station. Although it is not titled an arboretum, it is a public collection of trees maintained by the District but supporting research of the Experiment Station.

An even more interesting partnership exists at the University of Vermont. Like North Dakota, an administratively sanctioned arboretum/garden does not exist, but the Horticulture Research Center hosts tours, lectures, public meetings and many other activities associated with a public garden. A very active and totally voluntary 'Friends of the Horticulture Farm' with volunteer curators maintain more than 700 kinds of ornamental trees and shrubs including one of the largest collections of crabapples in the Northeast. Administration for all of the public components of this garden, including community classes, lectures, newsletter, plant collections management, fund-raising and WEB design is accomplished by the "Friends" in a cooperative agreement with the University. Day-to-day management of the research trials is by the farm manager and individual researchers who have formed a partnership with the friends organization. This grass-roots effort began with local citizens to prevent the destruction of valuable plant collections due to inadequate university funding for long-term maintenance.

The Georgeson Botanical Garden is in the single-faculty category and probably will remain as such for the next few years. A proposal was submitted through the UA Initiative Process to attempt to make the entire campus an arboretum, but funding was not forthcoming. This idea still has considerable merit and would allow for a terrific outdoor classroom, a beautiful campus, healthy well-maintained trees, a better integration of art and outdoor campus activities, and a significant recruitment tool. In this day of competition for quality students, a beautiful campus can be a significant draw.

Another administrative problem for the Georgeson Botanical Garden is the aging of its single faculty member. With the potential for retirement looming in five years, this program could easily dry up and blow away. I doubt if that would happen, but I do know one thing for certain. Any faculty member with the traditional workload of teaching, research and service would be a fool to take on the additional work of a botanical garden. There is a huge administrative load that is not acknowledged in existing workload system, and UAF will be hard pressed to find a qualified replacement. UAF will also need to decide the future direction of the garden. Shall it remain a single person entity, or move to a more complex model such as the UAF Museum? The Museum was the brainchild of one person, is now a multi-disciplinary program and one of the best museums in Alaska. Is that the

fate of the Garden? Perhaps it will continue as a single discipline program. The UAF administration will answer that question.

In the mean time, my visits to botanical gardens provided a wealth of information regarding feasible enhancements to existing programs that will allow for better delivery of education, research and outreach activities.

## **Education**

All botanical gardens/arboreta at Land Grant institutions comprise a multiple function of education, research and outreach in keeping with the Land Grant mission. All of these programs have strong educational component (Table 3), from hands on, experience based two-year degree programs (i.e. Sand Hills Community College) to extensive outdoor laboratories for graduate research and education in systematic botany (i.e. U.C. Berkeley). Students at Ohio State actually compete for the privilege of designing and constructing a campus landscape according to client specifications and budget limitations. Many gardens host student internship programs (Table 12), the most prestigious being at Longwood Gardens in association with the University of Maryland.

Nearly all gardens/arboreta host community interest short courses, lectures and workshops, often in partnership with non-campus programs such as garden clubs, conservation groups and government agencies. The noncredit courses provide a significant community linkages for the entire university community. Short courses are not limited to garden-related topics but include entomology, ornithology, plant pathology, engineering, arts and crafts, music, food and cooking, economic botany, ethnobotany, photography, and human health. Gardens with facilities such as classrooms, amphitheaters, and outdoor pavilions also provide space for classes, such as ski lessons, astronomy, geology, hunter safety, quilting etc.

If a garden/arboretum has an outreach program, it most definitely includes connections with children. This connection ranges from entire children's gardens (i.e. Michigan 4-H children's garden, Quail Botanic Garden) to docents who bring learning carts and a bit of the garden to the schools (by far the best is the Minnesota Landscape Arboretum). Programs are incredibly diverse and depend upon funding and mission. They draw on the strengths of the plant collections to educate young people about plants, ecology, horticulture, ethnobotany, economic botany, global warming, and many other topics.

The Georgeson Botanical Garden provides educational opportunities for UAF students in SNRAS as well as other campus programs such as biology and art. It offers student internships nearly every summer, provides significant outreach to railbelt K-12 schools and is in the process of developing a children's garden. Future directions should include:

1. expanding the community interest short course offerings for year-round activities,
2. developing summer courses for teacher recertification credits,
3. developing comprehensive program for elementary schools to meet Alaska content standards using:

- Field trip programs
- Self-guided discovery packs
- Checkout classroom and lab kits
- Traveling outreach programs



4. Directly link our garden with educational programs, PASS option
5. Establish an Associates Degree in Horticulture, a 2-year program with heavy emphasis on hands on experience in landscape construction, design
6. Strengthen campus connections. Currently the GBG is used by a variety of other departments for student laboratories, primarily biology (ecology) and art. We need to strengthen these connections and expand into other areas such as engineering, tourism and marketing, mathematics, native studies, rural development. Possibilities are listed below.
  1. Involve engineering students in surveying and layout of the hedge maze. Connect students with high school students to teach basic surveying skills on layout of the giant hillside maze.
  2. Develop a research, educational and display garden to showcase Alaska native plants with specific edible, medicinal and cultural uses in Interior, Alaska for use by the Rural College and Alaska Native Language Center.
  3. Incorporate traditional myths and legends into design aspects of the Garden
  4. Develop a mathematical and physics garden highlighting patterns in nature.
  5. Develop a climate and weather garden that not only shows methods of measuring weather but how plants respond to their environment, i.e. flowers that are parabolic reflectors, those that open and close with radiation intensity, sun vs. shade plants,
7. Establish certificate programs and use the Garden as an outdoor laboratory. Possible programs:
  1. Urban and community forestry: lead to national certification in Arboriculture
  2. Horticulture: lead to national certification in Horticulture
8. Develop Web-based connections between the GBG and statewide K-12 schools. Become a leading source of information on plant cultivation, conservation and preservation in the North.

## **Research**

Not all botanical gardens/arboreta have a research component. Some are strictly public education or outreach (i.e. Crosby Arboretum, Mississippi State). Those with a strong research component have two primary focuses depending upon their administrative unit. If the origin of the garden is through the botany department, the primary emphasis of the garden is usually a large taxonomic collection of certain genera of plants (the one-of-everything on earth approach). These programs often include large herbaria and a specific regional emphasis. For instance, many of the University of California programs showcase worldwide Mediterranean floras, sponsored collecting expeditions to those areas, and research to conserve similar habitats. Research tends to focus on systematic botany, chemical taxonomy and floristics as well as basic botany and ecology.

Gardens associated with horticulture and landscape architecture programs are very broad-based including cultivation and conservation of many cultivated horticultural crops, collections of economically useful plants, restoration ecology, managed habitats, landscape design and construction, arboriculture and urban forestry, plant associations with insects and diseases and integrated pest management.. They are often integrated with Experiment Station research programs that focus on solving local agricultural issues for the benefit of growers and consumers. Research plots and trial gardens become display gardens for annual flowers and perennials, vegetables, and other cultivated horticultural crops, and these, in turn are open to public scrutiny and enjoyment.

The GBG fits into the latter category. Although we would like to develop limited taxonomic collections of Alaska native plants, extensive collections of taxa from circumboreal regions is beyond the scope of the existing garden. Future plans for the GBG should include:

1. cultivating greater connections with scientists in related disciplines to use the garden facilities for individual research projects,
2. strengthening the applied research component by developing greater connections with UAF Cooperative Extension Service, and
3. publishing more results of completed research via Web, factsheets, bulletins, journal articles.

## **Outreach and Public Service**

All organized botanical gardens and arboreta have an active public connection. For many, these connections are an avenue to disseminate valuable research information, but the reality is, they also provide security against university budget cuts. Public programs include 'Friends' programs (Table 5), volunteer organizations, special events (Table 11), plant and craft sales (Table 8), member programs (Table 9), and community interest tours, programs and short courses. Most gardens simply would not exist without a strong outreach program. These programs serve multiple purposes including:

1. building a strong connection between the community and the university,
2. providing essential, steady revenue through annual membership dues and donations,
3. providing an essential labor force for garden construction and maintenance, educational outreach,
4. providing educational opportunities for the community through docent training, member workshops, and
5. providing connections with Cooperative Extension Service Master Gardener Program

The current GBG program is similar to other programs around the nation and has benefited significantly by the Chancellor's restoration of a key staff position. This position has allowed us to coordinate and formalize our volunteer program, increase membership and begin a formal volunteer training program. Future outreach goals at the GBG should include:

1. doubling member numbers in 5 years and increasing membership fees
2. refining member /volunteer benefits for each level of donation,
3. providing formal volunteer training in specific topics that will expand community member's knowledge as well as provide essential skills for garden projects
4. formalizing volunteer and member recognition programs
5. proposing a campus-wide parking policy for volunteers.
6. improving volunteer and member facilities at the GBG such as lockers, meeting spaces and workrooms

## **Facilities**

The available facilities at all botanical gardens include a visitor's center and a combined or separate administrative space for offices and workspace for volunteers and employees. Most visitor's centers include a gift shop, restroom facilities, and an information center. Other facilities include support structures such as tool sheds and production greenhouses. More developed gardens

include classroom space and outdoor gathering areas such as amphitheatres and covered pavilions. The high-end gardens also have conservatories, auditoriums and/or theaters, reception areas, special exhibit areas, and restaurants. Occasionally, a garden provides overnight accommodations (rent the Japanese Pavilion and Tea house for an evening at the Devonian Botanical Garden), and a manager's residence.

The GBG shares a visitor's center with the Experiment farm. It has a classroom for 12 or fewer students, two restrooms, and very little display space. The support facilities include office and labs in the horticulture/agronomy building. Outdoors, the garden has a large uncovered deck and picnic area. Within the next year or two, there will be an outdoor classroom for 25-30 people, a covered pavilion with a capacity of 80, an amphitheater (capacity 35) and a picnic pavilion (capacity 10). Special needs include:

1. adequate and safe parking for buses and visitors and a paved parking lot,
2. a new visitor's center with classroom for at least 50 people, conservatory for year-round use, handicap-accessible restrooms, gift shop, offices, kitchen and exhibit area,
3. a covering for the hilltop amphitheater, and
4. better trails and connections to main campus.

## **Donations and Funding**

Public and corporate donations are essential to the survival and development of a botanical garden. Every botanical garden has a donation program, and the larger gardens have one or more development officers whose specific job is fund-raising for the Garden. We do not have the employees or finances to devote entire personnel to Garden development, however we have been able to tap the resources of the UAF Development Office for assistance and will plan a sustainable donation program for the future. Presently the GB's donation program includes:

1. a formal letter solicitation for donations to the endowment, December annually,
2. UAF College of Fellows summer fund-raiser, and
3. Informal donation solicitations through the newsletter, all literature, speeches

There is only one national program for funding botanical gardens and arboreta similar to the National Science Foundation for scientific research. Since arboreta/gardens are considered museums, they are covered under the umbrella of the Institute of Museum Services. They provide funding for specific programs such as collections conservation, mapping and identification. They have specific reporting requirements that the GBG currently does not meet, the most important one being a such as separate accounting system from all other programs. Currently, the GBG budget is part of SNRAS budgeting and will continue for the foreseeable future.

In the past, the GBG has been prohibited from soliciting donations from large corporations and businesses in Alaska because of conflicts with UAF umbrella campaign plans. Our entire fund-raising scheme has relied on the generosity of local gardeners and interested community members. Fortunately, Fairbanks is one of the most generous towns in America, and we now have the beginnings of a nice endowment fund. It will be years before the fund can be tapped, but just knowing it is there and people steadily contribute is very comforting. Other gardens have the population base to build large fund-raising campaigns and expect millions in donations, but that is not the reality for the GBG. Growth will be slow, but steady for years to come.

Other funding sources for the GBG include membership dues, plant sales, gift shop sales, admission donations and unsolicited donations. All public amenities in the garden such as benches, walkways, sculpture, and even entire gardens have been donated with public funds. Our fund-raising strategy is very similar to other gardens/arboreta around the nation, and in many instances is ahead of the game because of our endowment fund. To enhance fund-raising opportunities the GBG needs to:

1. research and advertise corporate matching gifts,
2. research corporate donors,
3. develop an art fair

### **Volunteer Program**

Every botanical garden/arboretum that is thriving in the United State today, does so because of volunteers. They are the backbone of the organization, and I dare say not one botanical garden could survive without them, especially at universities where sink-or-swim budget cuts are frequent and often deep. The GBG has an outstanding group of volunteers, many from the Master Gardener's program. Based upon volunteer programs at other gardens, the GBG needs to:

1. provide training sessions for volunteers,
2. define benefits of volunteering at the garden
3. Clarify educational benefits to volunteers, and
4. Work on campus-wide parking policy for volunteers.

This study is not complete. I need more direct information from garden directors and supervisors. The next step will be to scrutinize the Georgeson Botanical Garden from the inside out. I need to understand where it stands in the greater scheme of things and how best to set a direction that will ensure a healthy future. Assuming there are no giant windfalls lurking around the corner, the future will be demanding, tough, stressful, full of pitfalls and diversions, but definitely worth the effort.

Table 1. Botanical Garden general information

| Visited | University related*<br>Land grant** | Name  | Location             | Department or<br>College (blank sites<br>have adm. Not assoc.<br>with a single school<br>or college) | Date of founding | Open          | Annual visitation | Admission | Total acres | Cultivated acres | Type of garden   |
|---------|-------------------------------------|---|----------------------|--|------------------|---------------|-------------------|-----------|-------------|------------------|--|
|         | *                                   | American College<br>Arboretum                                     | Bryn Mawr, PA        |  | 1994             | year<br>round |                   | free      | 35          | 35               | campus arboretum, conifers, annuals,<br>perennials, vegetables, cottage garden   |
|         | **                                  | American Samoa<br>Community College                               |                      |  |                  |               |                   |           |             |                  |  |
|         | **                                  | Arboretum at California<br>State University, Fresno               | Fresno, CA           | Biology  | 1978             | year<br>round |                   | free      | 323         |                  | entire campus is arboretum, rose garden, Maple<br>mall, environments playground, special<br>collections: redwood, magnolia, Allerg free          |
|         | *                                   | Arboretum of the<br>University of Central<br>Florida and Stockard | Orlando, FL          | Biology  | 1983             | year<br>round | 14,000            | free      | 86          | 12               | Arboretum, nature center, conservatory,<br>cycad garden, rose garden, palm garden,<br>bromeliad garden, fern garden, swamp habitat,              |
| x       |                                     | Arizona Sonora Desert<br>Museum                                   | Tucson, AZ           |  | 1952             | year<br>round |                   |           | 23          | 23               | desert grassland, zoo, rock collection, native<br>plants, riparian habitat, bird exhibits, aviary,<br>pollination garden, hummingbird garden and |
|         | *                                   | Arizona State University<br>arboretum                             | Tempe,<br>Arizona    | Facilities, Planning<br>and Management   |                  |               |                   |           |             |                  | campus arboretum, cactus garden, pond<br>garden,   |
|         | *                                   | Arnold Arboretum  | Jamaica Plain,<br>MA | City of Boston in<br>partnership with<br>Harvard Univ.   | 1872             | year<br>round | 250,000           | free      | 265         | 225              | Arboretum, Park/recreation, woody species of<br>North America and eastern Asia,  |
|         | *                                   | Blue Ridge community<br>college                                   | Weyer's Cave,<br>VA  | Biology  | 1987             | year<br>round |                   | free      |             |                  | native and naturalized plants of Virginia, rare<br>or endangered tree species  |
|         | *                                   | Smith College Botanic<br>garden and Lyman<br>Conservatory         | Northampton,<br>MA   | Botany   | 1895             | year<br>round |                   | free      | 127         |                  | botanical garden, conservatory, display garden,<br>arboretum, rock garden, Japanese garden,<br>campus arboretum, woodland garden,                |
|         |                                     | Boyce Thompson<br>Arboretum                                       | Superior, AZ         |  | 1929             | year<br>round | 76,422            | \$ 6.00   | 1075        | 100              | Arboretum, botanical, park.recreation,<br>demonstration garden, cactus, herbs, xeriscape   |
|         | *                                   | Cabrillo College<br>Environmental Horticulture                    |                      |  |                  |               |                   |           |             |                  |  |
|         | *                                   | California State University<br>at Chico                           | Chico, CA            |  |                  | year<br>round |                   | free      |             |                  | native plants, woody plants, rose, azalea,<br>camellia gardens   |
|         | **                                  | Campus Arboretum,<br>University of Georgia                        | Athens, GA           | Horticulture Dept.   |                  | year<br>round |                   |           |             |                  | arboretum, outdoor teaching lab, campus<br>grounds, President's club garden, Founders<br>Memorial gdn, horticultural summer and winter           |



Table 1. Botanical Garden general information

|   |    |  |                          |   |      |            |         |         |       |     |  |  |
|---|----|--|--------------------------|---|------|------------|---------|---------|-------|-----|--|--|
|   | ** | Chadwick Arboretum, Ohio State University                                | Columbus, OH             | College of Food, Agriculture and Environmental Sciences |      | year round | 50      | free    |       |     |  | research and educational garden, campus garden, experimental landscape gardens, trial gardens, Aesculus garden, native plants, ornamental trials, Salix, small scale constructed   |
|   | *  | Chatham College Arboretum  | Pittsburgh, PA           | Landscape Design and Horticulture                       | 1998 | year round |         | free    |       |     |  | campus arboretum, outdoor classroom,   |
|   | *  | Landis Arboretum, Cobleskill College, SUNY                               | New York                 | Plant Sciences  | 1970 |            |         | free    | 75    |     |  | university garden, landscape design,   |
|   | *  | Connecticut College Arboretum  | New London, CT           |   | 1931 | year round |         | free    | 750   | 135 |  | campus arboretum plus lands in New London and Waterford, community park  |
| x |    | Conservatory of Flowers, Golden Gate Park                                | San Francisco, CA        |   | 1898 | year round |         |         | ,     |     |  | closed now for repairs, will re-open in 9 months   |
|   | ** | Core Arboretum, West Virginia University                                 | Morgantown, WV           | Dept of Biology   | 1948 | year round | 25,000  | free    | 91    | 3   |  | arboretum, nature trails, native plants, bird observatory, recreation  |
|   | ** | Cornell Laboratory of Ornithology  | Ithaca, NY               |   |      | year round |         | free    |       |     |  | bird garden, native plants, interpretive trails, observatory displays  |
|   | ** | Cornell Plantations - The Arboretum, Botanical Gardens and Natural Areas | Ithaca, NY               |   | 1944 | year round | 200,000 | free    | 3,200 | 200 |  | botanical, arboretum, natural areas  |
|   | ** | Crosby Arboretum, Mississippi State University                           | Picayune, MS             | Coop. Extension Service                                 | 1980 | year round | 60,000  | \$ 4.00 | 1000  | 700 |  | arboretum, nature center, historic site, hillside bog, hammock, savanna, bluffs, pine forests, hollows   |
|   | ** | Davis Arboretum, Auburn University                                       |                          | College of Sciences and Mathematics                     | 1963 | year round |         | free    | 13    |     |  | campus arboretum, teaching resource for students and faculty   |
| x |    | Denver Botanic Garden  | Denver, Colorado         |   | 1951 | year round |         |         | 23    | 23  |  | Japanese, rock, alpine, wetern, native plant, herb, water, dry mesa, South african flora, Asian plants, montane, plains, wildflower garden, red border, tea house, cutting garden, Monet garden, Secret garden, Spanish orchard, shade garden, perennial gardens, woodland |
| x |    | Desert Botanical Garden  | Tempe, Arizona           |   |      | year round |         | \$ 7.50 | 145   | 145 |  | desert plants and wildlife, cacti, succulents, ethnobotany, nature trails, vegetable and herb garden, desert house, xeriscape gardening, irrigation demonstration, landscape   |
| x | *  | Devonian Botanic Garden, Univ. of Alberta                                | Edmonton, Alberta        | Agriculture, Forestry and Home Economics                | 1959 | year round |         | \$ 5.00 | 190   | 80  |  | conservatory, butterfly garden, Japanese garden, perennial and annual display garden, native and alpine plant gardens, ecological  |
| x |    | Dorothy Harvie Garden and Conservatory, Calgary Zoo                      | Calgary, Alberta, Canada |   |      | year round |         |         |       |     |  | tropical , arid, butterfly, rainforest, seasonal display, free-flying bird gardens, outdoor perennial trial gardens, arid garden, habitat  |
|   |    | Dumbarton Oaks   | Washington DC            |   | 1940 |            |         | \$ 5.00 | 16    | 10  |  | historic estate garden,  |

Table 1. Botanical Garden general information

|   |    |   |                    |   |      |            |         |         |              |     |   |
|---|----|---|--------------------|---|------|------------|---------|---------|--------------|-----|---|
|   | ** | Durfee Conservatory and Gardens University of Massachusetts             | Amherst, MA        | Dept of Plant and Soil Science                                    | 1867 | year round |         | free    |              |     | display, botanical garden, arboretum, conservatory, rainforest room, , Victorian collection, the glade, turf garden, perennial  |
|   | *  | Dyck Arboretum of the Plains, Hesston College                           | Hesston, KS        |   | 1981 | year round | 17,550  | free    | 30           | 12  | arboretum, botanical, nature center, native Kansas flora, horticultural plants adapted to southcentral Kansas, wildflower garden, tallgrass prairie, northern mixgrass prairie, |
|   | *  | Edith J. Carrier Arboretum at James Madison                             |                    |   |      |            |         |         |              |     |   |
|   | ** | Experiment Station and Nurserymen's Gardens, Connecticut Agricultural   | Windsor, CT        | Agricultural Experiment Station                                   |      | year round |         | free    |              |     | display garden  |
|   | *  | Fell Arboretum at Illinois State University                             | Normal, IL         | campus-wide   | 1995 | year round |         | free    |              |     | arboretum   |
|   |    | Fort Worth Botanic Garden   | Fort Worth, TX     | Parks and Community Services Dept.                                | 1933 | year round |         | \$ 1.00 | 109          | 109 | arboretum, Japanese garden, rose garden, vegetable and herb garden, native plants, fragrance garden, trial gardens, perennial garden, conservatory, begonia collection, life's  |
|   |    | Honolulu Botanical Gardens  | Honolulu, HI       | Parks and Recreation  | 1850 | year round |         | free    | 250          |     | five separate gardens, tropical plants, historic gardens, palms. Orchids. Hybrid orchids, aroids, tree ferns, epiphytes, native plants,   |
|   | ** | Frank A. Waugh Arboretum, University of Massachusetts                   | Amherst, MA        | Dept of Landscape architecture and                                | 1944 | year round |         | free    |              |     | campus arboretum, conservation area, native forests, native and introduced plants, native plants in the landscape, wetlands   |
|   | *  | Fullerton Arboretum, California State University                        | Fullerton, CA      |   |      |            |         | free    | 26           |     | arboretum, historic site, woodlands, desert garden, native plants, rare fruit grove, cycad  |
|   | ** | Garvan Woodlands Garden University of Arkansas                          | Hot Springs, AR    |   | 1990 | mar-oct    |         | \$ 7.00 | 210          | 45  | display, botanical, nature center   |
|   | *  | Georgia Southern Botanical Garden                                       | Statesboro, GA     |   | 1990 | year round | 755     | \$ 3.00 |              |     | tropical, temperate, arid conservatories; Harper collection of rare and dwarf conifers; Hosta shade house, perennial garden, arboretum  |
|   |    | Glass Garden, Rusk Institute of Rehabilitation Medicine                 |                    |   | 1959 |            | 120,000 | free    | 15,000 sq ft |     | therapeutic garden, conservatory, botanical   |
| x | *  | Gold Ridge, Luther Burbank's Experimental Farm                          | Sebastopol, CA     |   | 1980 | year round |         | free    | 3            |     | historic collection of Luther Burbank,  |
|   | *  | Graver Arboretum at Muhlenberg College                                  |                    |   | 1994 |            |         |         |              |     |   |
|   | ** | Hampton Roads Agricultural Research and Extension Center, Virginia Tech | Virginia Beach, VA | Agricultural Experiment Station and Cooperative Extension Service | 1983 |            | 3,000   | free    | 5            | 1.5 | university garden, display, botanical, flower trials, perennial and herb demonstration gardens, arboretum, research on weed, insect, disease management, plant production       |
|   | ** | Harold L. Lyon Arboretum University of Hawaii Manoa                     | Honolulu, HI       |   | 1972 | year round | 27,000  | \$ 2.00 | 195          | 100 | arboretum, botanical, nature center   |

Table 1. Botanical Garden general information

|   |    |   |                |                        |       |            |        |          |     |    |   |
|---|----|---|----------------|------------------------|-------|------------|--------|----------|-----|----|---|
|   | *  | Haverford College Arboretum                                     | Haverford, PA  |                        | 1853  | year round |        | free     |     |    | arboretum   |
|   | *  | Haywood Community   |                |                        | 1977  |            |        |          |     |    |   |
|   | *  | Henry Schmierer Arboretum of Delaware Valley College            | Doylestown, PA |                        | 1896  | year round |        | free     |     |    | arboretum   |
|   | *  | Hofstra University  |                |                        | 1935  |            |        |          |     |    |   |
|   |    | Humboldt Botanical  |                |                        | 1991  |            |        |          |     |    |   |
| x |    | Huntington Library, Art Collections and Botanical Gardens       | San Marino, CA |                        | 1928  | year round |        |          |     |    | estate garden, historic garden, cacti, succulents, Japanese, rose garden, sculpture garden, tea room, palm garden, bamboo grove,  |
|   | *  | Illinois Central College  |                |                        | 1980  |            |        |          |     |    |   |
|   | *  | Illinois Wesleyan University                                    |                |                        | 1850  |            |        |          |     |    |   |
|   | ** | J.C. Raulston Arboretum, North Carolina State University        | Raleigh, NC    | Horticulture           | 1976  | year round | 15,000 | donation | 8   | 8  | arboretum, university garden, display garden; plant collections of woody and herbaceous plants; direct source of plant materials for landscape professionals, researchers; development of new plant materials for the nursery trade; Winter garden, perennial gardens, Klein-Pringle white garden, Japanese Zen garden, Perennial border gardens, mixed shrub borders, tender perennial garden, model |
|   | *  | Johnson Community College Arboretum                             | Smithfield, NC |                        |       | year round |        | free     |     |    | arboretum, kitchen garden, healing garden, elm alley, children's garden, deciduous shrub garden, perennial garden, conifer and dry site garden, Old South garden, storm drainage  |
|   | *  | Kalmia Gardens of Coker College                                 | Hartsville, SC |                        | 1935  | year round | 20,000 | free     | 30  | 10 | university garden, historic house, nature center  |
|   | ** | Kansas State University Gardens                                 | Manhattan, KS  |                        |       | mar-oct    |        | free     |     |    | display garden  |
|   |    | Kartchner Cavern State Park                                     | Willcox, AZ    |                        | 1970s | year round |        | free     |     |    | display garden of native plants, hummingbird garden on grounds of visitor's center  |
| x | *  | Kishwaukee College  |                |                        | 1968  |            |        |          |     |    |   |
|   | *  | Lehigh University   |                |                        |       |            |        |          |     |    |   |
|   | *  | Lillian Anderson Arboretum, Kalamazoo College                   | Kalamazoo, MI  | Biology                | 1998  | year round |        | free     | 100 |    | arbaoretum, natural areas, historic site  |
|   | ** | Lyle E. Littlefield ornamental trial garden and research center | Orono, ME      | Landscape Horticulture | 1960s | year round |        | free     |     |    | perennials evaluation, research, crabapple collection, lilac collection, rhododendron collection, magnolia collection, hardiness  |
|   |    | Mary Washington College   |                |                        |       |            |        |          |     |    |   |
|   |    | MaryGrace Burns Arboretum, Georgian Court College               | Lakewood, NJ   |                        |       | year round |        | free     |     |    | arboretum, historic site  |

Table 1. Botanical Garden general information

|   |    |   |                           |   |       |               |          |                            |      |     |   |
|---|----|---|---------------------------|---|-------|---------------|----------|----------------------------|------|-----|---|
|   | *  | Marywood University   |                           |   | 1997  |               |          | free                       |      |     | botanical, university, nature center  |
|   | *  | Matthaei Botanical Gardens<br>University of Michigan              | Ann Arbor, MI             |   | 1959  | year<br>round | 144,000  | \$ 3.00                    | 600  | 20  | university garden, botanical, conservatory  |
|   | ** | McCrary Gardens and<br>South Dakota State                         | Brookings, SD             |   | 1960s | summe<br>r    |          | free                       |      | 65  | trial gardens, research gardens, arboretum, All<br>America selections display gardens, children's   |
| x | *  | Medicinal Herb Garden,<br>University of Washintgon                | Seattle, WA               | Botany  | 1911  | year<br>round |          |                            |      |     | medicinal herbs, useful trees and shrubs  |
| x |    | Mendocino Coast Botanical<br>Gardens                              | Fort Bragg, CA            |   | 1961  | year<br>round |          | \$ 6.00                    | 47   | 47  | perennial garden, rhododendrons, ferns,<br>mediterranean collections, heather garden,<br>native plants, camellias, mushrooms, woodlands   |
|   | *  | Memorial University of<br>Newfoundland Botanical                  | St. John's NfD,<br>Canada |   | 1977  | May-<br>Nov   | 123,832  | free                       | 110  | 75  | botanical display,nature center, perennial<br>gardensm cottage garden, heritage plants,   |
| x | ** | Michigan State University<br>Horticultural Gardens                | East Lansing,<br>MI       |   |       | apr-<br>oct   |          | free,<br>\$5.00<br>parking |      |     | display garden  |
|   | *  | Mildred Mathias Botanical<br>Garden, UCLA                         | Los Angeles,<br>CA        |   |       |               |          |                            | 7    |     | tropical and subtropical plants, bromeliads,<br>Malaysian rhododendrons, fernsm cycads,   |
| x | ** | Minnesota Landscape<br>Arboretum                                  | Chanhassen,<br>MN         | Horticulture and<br>Landscape<br>Architecture | 1958  | year<br>round |          | \$ 5.00                    | 1000 |     | display garden, botanical garden, research<br>garden, Andersen Horticultural Library, natural<br>gardens, hiking trails, nataive prairie gardens,<br>wetlands, , conservatory, started by the Men's<br>garden club of MN, winter garden, rose garden, |
|   |    | Missouri Botanical Garden   | St Louis, MO              |   | 1857  | year<br>round | 100,000+ |                            |      |     | conservatory, plant conservation, botanical<br>collections, university research partnerships<br>mostly in systematic botany and world plant   |
| x | ** | Montana State University<br>Gardens                               | Bozeman, MT               |   |       | year<br>round |          | free                       |      |     | display garden, some landscaped beds on<br>campus but no formal gardens   |
|   | *  | Morris Arboretum of the<br>University of Pennsylvania             | Philadelphia,<br>PA       | Dept. Affiliation                             | 1933  | year<br>round | 62,947   | \$ 6.00                    | 166  |     | arboretum, botanical, museum  |
|   |    | Morton Arboretum  | Lisle, IL                 |   | 1922  | year<br>round |          | \$2.00                     | 1500 |     | arboretum, native trees, ground cover garden,<br>hedge garden, dwarf shrub garden, sand bed<br>garden, display garden, nature center,   |
|   | *  | Mount Holyoke College<br>Botanic Garden                           | South Hadley,<br>MA       |   | 1837  | year<br>round |          | free                       |      |     | entire campus is arboretum, botanical garden,<br>display garden, conservatory, Virginia Craig<br>Rhododendron Garden, woodland garden   |
| x | *  | Muttart Conservatory  | Edmonton,<br>Alberta      | Edmonton Parks<br>and Recreation<br>Dept      | 1976  | year<br>round |          |                            |      |     | conservatory, public park, seasonal theme<br>gardens, tropical, arid, temperate and show<br>gardens, annual trial gardens, arboretum  |
|   | *  | Mynelle Gardens   |                           |   | 1967  |               |          | free                       | 650  | 250 | botanical, arboretum, university garden   |
|   | *  | New England Ecological  |                           |   | 1893  |               | 15,000   | free                       | 1500 | 200 | arboretum, botanical, university  |
| x | ** | New Mexico State<br>University Landscape<br>Demonstration Garden, | Las Cruces,<br>NM         |   |       | year<br>round |          | free                       |      |     | display garden  |

Table 1. Botanical Garden general information

|   |    |  |                                |  |        |            |         |         |     |    |   |
|---|----|--|--------------------------------|--|--------|------------|---------|---------|-----|----|---|
| x |    | Niagara Parks Butterfly Conservatory                                     | Niagara Falls, Ontario, Canada | Niagara Parks Dept.  | 2001   | year round |         | \$7.00  | <1  | <1 | indoor and outdoor butterfly gardens, conservatory,   |
|   | *  | Normandale Community College   |                                |  | future |            |         |         |     |    |   |
|   | *  | North Carolina Botanical Garden (U of North Carolina)                    | Chapel Hill, NC                |  |        | year round |         | free    |     |    | botanical garden, native plants, herbs, nature trail  |
|   | ** | North Dakota State University Arboretum                                  | Dickinson, ND                  | Cooperative Extension Service  | 1974   | year round |         | free    |     |    | forestry arboretum  |
|   | ** | North Dakota State University Campus                                     | Fargo, ND                      | Architecture   | 2002   |            |         |         |     |    | proposed by architecture students along with an ecological enrichment center to be located  |
|   | ** | North Dakota State University Statewide Woody Plant Trials               | Statewide                      | Dept of Plant Science, Plant Pathology, Ag research centers, urban forestry programs, Soil Conservation Districts, ND Forest Service | 1995   | year round |         | free    |     |    | cooperative trial sites statewide for hardiness research on landscape and conservation trees and shrubs   |
|   | ** | Northwest Research and Experiment Station, Kansas State University       | Colby, KS                      |  |        | year round |         | free    |     |    | annual flower trials, perennials, roses, trees, shrubs, ground covers   |
|   | ** | Oklahoma Botanical Garden and Arboretum, Oklahoma State University       | Stillwater, OK                 | Horticulture and Landscape Architecture  |        | year round |         | free    |     |    | botanical, display garden, arboretum  |
|   | *  | Orland E. White Arboretum at Blandy Experimental Farm (Univ of Virginia) | Boyce, VA                      |  | 1982   | year round | 73,000  | free    | 175 |    | arboretum, environmental science, ecology field station, native plant meadow, wetland habitats, herb garden, pollination garden,  |
|   | ** | Peavy Arboretum, Oregon State University                                 | Corvallis, OR                  | College of Forestry  |        | year round |         | free    | 40  |    | part of McDonald-Dunn Research forest, plantings display all major ecozones in Oregon   |
| x |    | Phipps Conservatory and Botanical Garden                                 | Pittsburgh, PA                 |  |        |            | 189,400 |         |     |    | conservatory, botanical garden, civic garden center, miniature trains and gardens, Frozn  |
|   | ** | Purdue University Horticulture Gardens                                   | West Lafayette, IN             | Dept of Horticulture   | 1982   | year round |         | free    | 0.5 |    | campus garden, display garden, special collections: peonies, daylilies, hosta, spring bulbs, ornamental grasses,  |
| x |    | Quail Botanical Garden   | Encinitas, California          |  | 1971   | year round |         | \$ 5.00 | 32  | 32 | tropica. Temperate, mediterranean, subtropical gardens from around the world, demonstration gardens: subtropical fruits, medicinal and culinary herbs, butterfly garden, walled garden, |
|   | *  | Rancho Santa Ana Botanical Garden  | Claremont, CA                  | Botany   | 1927   | year round |         | free    |     |    | botanical garden, taxonomic studies, floristics, herbarium  |



Table 1. Botanical Garden general information

|   |    |   |                           |                             |      |            |         |         |      |     |   |
|---|----|---|---------------------------|-----------------------------|------|------------|---------|---------|------|-----|---|
| x | *  | Red Butte Garden and Arboretum, University of Regis University                        | Salt Lake City, UT        |                             | 1985 | may-sept   | 183,045 | \$ 5.00 | 760  | 25  | botanical, arboretum, nature center, dedicated exclusively to California native plants  |
|   |    |   |                           |                             | 1997 |            |         |         |      |     |   |
|   | ** | Reiman Gardens and Stafford Arboretum Gardens Iowa State University                   | Ames, IA                  |                             |      | year round |         | \$ 5.00 |      |     | display gardens, historic site, lowland, mesic, upland, wetland gardens, bog garden, conservatory, butterfly conservatory, rose garden, herb garden, town and country garden,   |
|   | *  | Reynolda Gardens of Wake Forest University  | Winston-Salem, NC         |                             | 1917 | year round |         | free    |      |     | display garden, conservatory, herb garden, kitchen garden, native plants, orchids, perennials, rose garden, wetland garden  |
|   | *  | Root Glen, Hamilton College   | Clinton, NY               |                             |      | year round |         | free    |      |     | display garden  |
| x |    | Royal Botanical Garden  | Hamilton, Ontario, Canada |                             | 1929 | year round |         | \$ 8.00 | 2700 |     | Canada's largest botanical garden, Mediterranean garden, rose garden, lilac collection, children's garden, native plant gardens; Hendrie park, medicinal plant garden, Wodland garden, World of botany garden, nature sanctuaries, Cootes Paradise marsh, |
|   | ** | Rutgers University Gardens  | New Brunswick, NJ         |                             | 1927 |            |         |         | 50   |     | international collection of landscape plant materials, AAS display garden, holly, shrub, rhododendron, azalea, evergreen collections, water conservation terrace garden, sun and university garden, botqanical, arboretum                                 |
|   | *  | Salisbury State University Arboretum  | Salisbury, MD             |                             | 1925 | year round |         | free    | 140  | 140 |   |
|   |    | San Diego Zoo and Botanical Garden  | San Diego, CA             |                             | 1993 | year round |         |         | 100  |     | zoological garden, bromeliad garden, palms, aloe, orchids, coaral trees, bamboos,   |
|   |    | Santa Barbara Botanic Garden  | Santa Barbara, CA         |                             | 1926 | year round |         | \$5.00  | 65   | 65  | historic garden, native plant gardens, nature trails, Ceanothus collection, desert, island, manzanita collection, meadow collection,  |
|   | *  | Sandhills Horticultural Gardens, Sandhills Community College                          | Pinehurst, NC             |                             | 1978 | year round | 12,000  | free    | 32   | 21  | display, university, arboretum  |
|   | ** | Sapsucker Woods Bird Sanctuary, Cornell University                                    | Ithaca NY                 |                             |      | year round |         | free    |      |     | natural plantings for bird feeding  |
|   | *  | Sarah P. Duke Gardens   | Durham, NC                |                             | 1933 |            | 300,000 | free    | 55   |     | university garden, display, arboretum, historical terraces, Blomquist Native Plant Garden,  |
|   | ** | Schnabel Arboretum and Southwest Missouri Agricultural Research and Education Center, | Columbia, MO              | School of Natural Resources | 1959 | year round |         | free    | 900  |     | natural area, , graduate and undergraduate instruction and research arboretum, horticulture research trial gardens, fruit and vegetable trials,   |
|   | *  | Scott Arboretum of Swarthmore college   | Swarthmore, PA            |                             | 1929 | year round | 40,000  | free    | 300  | 110 | campus, arboretum, university garden, botanical collection, demonstration garden, Cherry border, holly garden, fragrance garden,  |

Table 1. Botanical Garden general information

|   |    |  |                       |                                    |                |            |      |      |              |    |   |
|---|----|--|-----------------------|------------------------------------|----------------|------------|------|------|--------------|----|---|
| x |    | SeaWorld Garden of Discovery                                     | San Diego, CA         |                                    |                | year round |      |      | 189          |    | landscaped zoological garden, children's garden, display garden, mediterranean flora, carnivorous plants, succulents, coast trees, rock garden, annual flower display garden, |
| x | *  | Seiberling Naturealm   | Akron, Ohio           | MetroParks, Summit County, OH      |                | year round |      | free | 100          |    | herb and rock garden, geologic garden, nature center, arboretum, wetland, wildlife center, rhododendron collection, prairie meadow, display garden, Shakespeare garden        |
|   | *  | Shakespeare Garden Northwestern University                       | Glencoe, IL           |                                    |                | year round |      | free |              |    | display garden, Shakespeare garden  |
|   | *  | Slayton Arboretum of Hillsdale College                           | Hillsdale, MI         |                                    | 1924           | year round | 1450 | free | 48           | 20 | arboretum, botanical, historic site, water gardens, natural areas   |
|   | *  | Soka University Botanical Research center and nursery            | Calabasas, CA         |                                    | 1994           | year round |      | free |              |    | native plants, nursery, botanical   |
|   | ** | South Carolina Botanical Garden and Schoenike Arboretum, Clemson | Clemson, SC           |                                    | 1980s          | year round |      | free | 270 (65 arb) |    | wildflower, display, demonstration, pioneer gardens, arboretum, woodland gardens, largest daffodil and camellia collection in the US,   |
|   | *  | State Botanical Garden of Georgia (U of Georgia?)                | Athens, GA            |                                    | 1968           | year round |      | free |              |    | display, botanical garden, conservatory   |
|   | *  | State University of New York- Farmingdale                        |                       |                                    |                |            |      |      |              |    |   |
|   | *  | State University of West   |                       |                                    | 1906           |            |      |      |              |    |   |
| x |    | Strybing Arboretum   | San Francisco, CA     |                                    | 1940           | year round |      | free | 55           | 55 | Japanese garden, cloud forest garden, mediterranean plants, asian flora, moon viewing garden, fragrance garden pond and bog   |
|   | ** | Texas A&M University   | College Station, TX   | Horticulture                       |                | year round |      | free | 5            |    | garden, nursery, greenhouse complex, research and educational garden, AAS trial gardens, roses, perennials  |
|   | *  | Temple University  |                       |                                    | 2000           |            |      | free |              |    | historic site, arboretum, university garden   |
|   | *  | The Arboretum, University  |                       |                                    | 1970           |            |      |      |              |    |   |
|   | ** | Thompson Mills Forest and State Arboretum, University of Georgia | Braselton, GA         | Warnell School of Forest Resources | 1980/ arb 1991 |            |      |      | 330          |    | native and introduced trees, arboretum, teaching collection, 90% of Georgia native vegetation, Pinetum, granite outcrop natural   |
|   | *  | University of Alabama Arboretum                                  | Tuscaloosa, AL        |                                    | 1958           | year round |      | free |              |    | arboretum   |
|   | *  | University of Alabama Huntsville                                 | Huntsville, AL        |                                    | 1969           |            |      |      |              |    |   |
| x | ** | University of Arizona Campus Arboretum                           | Tucson, AZ            | College of Ag and Life Sciences    | 2001           | year round |      | free |              |    | campus arboretum, botanical collections, palms,   |
|   | ** | University of Arkansas   | Little Rock, AR       |                                    |                |            |      |      |              |    |   |
|   | *  | University of British Columbia Botanical Garden                  | Vancouver, BC, Canada |                                    | 1951           |            |      |      |              |    | botanical garden, rhododendrons, Asian garden, native trees, food garden, medicinal   |

Table 1. Botanical Garden general information

|   |    |  |                       |  |       |            |         |                           |     |     |  |
|---|----|--|-----------------------|--|-------|------------|---------|---------------------------|-----|-----|--|
|   | *  | University of California at Irvine                                     | Irvine, CA            |  |       |            |         | free                      | 13  |     | botanical garden, worldwide mediterranean plant collections: south Africa, Baja, coastal sage shrub, coastal succulent, chaparral,   |
|   | *  | University of California at Riverside                                  | Riverside, CA         |  |       |            |         | free                      |     |     | botanical garden   |
|   | ** | University of California at Berkeley                                   | Berkeley, CA          | began in Dept of Botany, moved to Vice Chancellor for research | 1890s | year round |         | \$3                       | 34  |     | campus arboretum, endangered species, collections: cactus, lily, heath, orchid, Chinese medicinal herbs, old roses, native plants, rhododendrons, Asian, Austrailasian, aquatic, conservatory: desert, rain forest, fern, carnivorous plants, garden of economic plants, |
| x | *  | University of California at Davis Arboretum                            | Davis, CA             | College of Agriculture and Environmental Science               | 1936  | year round | 250,000 | free parking fee weekdays | 110 |     | botanical, arboretum, university garden, demonstration garden, mediterranean garden, low maintenance, xeriscape gardening, water conservation, terrace garden, organic gardening, Mary Wattis Brown native plant garden, Storer garden of perennials and small           |
|   | *  | University of California at Santa Cruz arboretum                       | Santa Cruz, CA        | campus-wide  | 1964  | year round |         | free                      | 135 |     | arboretum, southern hemisphere collections, eucalypts, conifers, Australian plants, "living fossils" forstudies in evolutionary biology,   |
|   | *  | University of Chicago  |                       |  | 1892  |            |         |                           |     |     |  |
|   | *  | University of Delaware Botanic Gardens                                 | Newark, DE            | Plant and Soil Science   | 1962  |            |         | free                      | 15  |     | university gardens, botanical, trial gardens, meadow garden, Master gardener   |
|   | *  | University of Idaho arboretum and botanical                            | Moscow, ID            |  | 1982  |            |         |                           |     |     |  |
|   | ** | University of Illinois arboretum                                       | Urbana, IL            |  | 1867  | year round |         | free                      |     |     | display gardens, arboaretum, savannah garden, woodland garden, wet prairie garden, all america selections trial garden, idea garden  |
|   | ** | University of Kentucky arboretum                                       | Lexington, KY         |  | 1991  | year round | 50,000  | free                      | 100 | 6   | arboretum, university garden, botanical, natural areas   |
|   | *  | University of Missouri   |                       |  | 1999  |            |         | free                      | 20  | 296 | university garden, botanical, display  |
|   | ** | University of Nebraska West Central Research and Extension Center      | North Platte, NE      |  |       | year round |         | free                      |     |     | display, research garden, arboaretum   |
|   | ** | University of Nebraska-Lincoln, Lincoln Botanical Garden and Arboretum | Lincoln, NE           | Horticulture   |       | year round |         | free                      |     |     | display, botanical garden, arboretum, urban prairie plants (Cather Garden), use of prairie plants in urban settings, perennial garden,   |
|   | *  | University of Nevada-Las Vegas   | Las Vegas, NV         |  | 1985  |            |         | free                      | 335 | 80  | arboretum, university garden, botanical  |
|   | ** | University of Nevada-Reno Arboretum                                    | Reno, NV              | campus-wide arboretum board                                    |       | year round |         | free                      |     |     | campus arboretum, memorial gardens, physics planter, great basin life zone garden, rose garden,  |
|   | ** | University of New Hampshire Arboretum                                  | Durham, New Hampshire |  |       | year round |         | free                      |     |     | campus arboretum, ecological garden emphasizing sustainable landscaping  |



Table 2. Mission Statements of Botanical Gardens and Arboreta

| Institute   | Mission  |
|---|--|
| Arizona-Sonora Desert Museum                          | to inspire people to live in harmony with the natural world by fostering love, appreciation and understanding of the Sonoran Desert  |
| Arnold Arboretum                                      | increase knowledge of woody plants through research and to disseminate that knowledge through education. This includes the development, curation and maintenance of a well-documented collection of living woody plants from around the world; the development and curation of a herbarium, library and related information systems; the development of related programs for instruction, publication and public information   |
| Campus Arboretum, University of Georgia               | to provide biologically diverse and aesthetically pleasing collections of trees, shrubs and herbaceous plants in designed settings for the enjoyment and education of students, staff, faculty and visitors; to map, label and otherwise promote the extant and future tree and shrub collections  |
| Chadwick Arboretum, Ohio State University             | to provide an educational environment that advances knowledge of the relationship between people and their natural environment through multidisciplinary research, curriculum support, public education, plant preservation and collections of plants within an aesthetically designed, constructed landscape, The Chadwick arboretum, in keeping with the land-grant tradition should strive to become a 'People's Arboretum' providing equal access and opportunity to people of all socioeconomic and cultural backgrounds  |
| Crosby Arboretum                                      | the premier native conservatory of southeastern US, to study and learn about plants and plant products so that we may use them to their best advantage and ensure their continuous propagation in the future; aesthetic, agricultural, scientific and industrial contributions of native plant species and ecosystems can be examined in real life settings.   |
| Davis Arboretum                                       | display all the trees native to Alabama  |
| Dyck Arboretum  | a prairie garden exists to educate people about the benefits of appreciating, preserving and utilizing native and adaptable plants   |
| Frank A. Waugh Arboretum, University of Massachusetts | to educate the campus and regional communities about native and cultivated plants, improve the beauty and atmosphere of the campus setting, and engage in and promote the conservation and preservation of our natural resources   |
| Frank A. Waugh Arboretum, University of Massachusetts | Teaching and research policy: to provide information about the plants in the core area of campus and species and communities in the natural areas of campus; to record/inventory teaching and research activities conducted at the arboretum; to establish and maintain a system providing access to articles and publications related to the history and use of the arboretum; to coordinate teaching and research activities with the maintenance and planting activities of landscape services, Physical plant and protect field research projects from disturbance |



Table 2. Mission Statements of Botanical Gardens and Arboreta

|  |  |
|--|--|
| <p>Harold L. Lyon Arboretum University of Hawaii Manoa</p> | <p>coordinates, facilitates, and executes research, instruction and service activities that utilize its collections and resources. Its major emphasis are tropical plants, native Ahawaiian plants, conservation biology and Hawaiian ethnobotany. It is a major resource center for tropical plant with Hawaiian/Pacific Basin/Asian focus, serving as an outdoor laboratory for school and university students and classes, importing, identifying, improving through breeding and introduction to the public plants useful for horticulture, research, education and industry; preserving and propogating germplasm of endangered plant species; developing a research and training program for restoration of Hawaiian plants; serving as a University field station for terrestrial biology and stream biology.</p> |
| <p>Honolulu Botanical Garden</p>                           | <p>to deveop, curate, and maintain codumented living collections of native and introduced tropical plants displayed in an aesthetic setting for conservation, pursuit o horticultural excellence, education and recreation.</p>  |
| <p>Johnson Community College</p>                           | <p>to promote prudent and responsible use of cultivated plants and to promote the conservation of native species through the acquisition, evaluation and aesthetic display of selected plant materials in an educational environment for students, visitors, and local citizens</p>  |
| <p>Lilian Anderson Arboretum, Kalamazoo</p>                | <p>to foster conservation, experiential learning, community building, research and contemplation</p>   |
| <p>Lyle E. Littlefield ornamental trial garden</p>         | <p>obtain, plant and evaluate as wide a range as possible of ornamental plants with potential for use in the northern landscape.</p>   |
| <p>Mendocino Coast</p>                                     | <p>to display, interpret and nurture our unique gardens and the ecology of the Mendocino coast</p>   |
| <p>Minnesota Landscape Arboretum</p>                       | <p>to provide a community and national resource for horticultural and environmental information, research and public education; to develop and evaluate plants and horticultural practices for cold climates; and to inspire and delight all visitors with quality plants in well-designed and maintained displays, collections, model landscapes and conservation areas.</p>  |
| <p>Quail Botanical Garden</p>                              | <p>to actively participate in the conservation of rare, threatened and endangered plant species, to serve the botanical and horticultural needs of San Diego County, and to exist as an urban retreat</p>  |
| <p>Rancho Santa Ana Botanical Garden</p>                   | <p>devoted to the collection, cultivation and display of native California plants and to graduate training and research in plant systematics and evolution. Through all of its programs, the mission of the Garden is to make significant contributions to the appreciation, enjoyment conservation, understanding and thoughtfulutilization of our natural heritage.</p>  |
| <p>Scott Arboretum of Swarthmore college</p>               | <p>The endowment fund has been given to Swarthmore College to hold in trust and to use for the encouragement of horticulture in its broadest sense. The founders have wished to make possible a dream of Mr. Scott to help horticulture by visual demonstration. They have believed that the dream can best be realized by the planting in a public place of suchtrees, shrubs and flowers as can be used by people of average means living in the Philadelphia suburbanarea. It is not the primary purpose to beautify the campus but rather to act as a demonstration garden. In this regard the Arboretum will acquire, cultivate and propagate the better kinds of living trees, shrubs and herbaceous perennials which are hardy here and which are suitable for planting by the average gardener</p>               |

Table 2. Mission Statements of Botanical Gardens and Arboreta

|  |  |
|--|--|
| SeaWorld Garden of Discovery                 | to create excellence in our landscape that provides enjoyment, inspiration and educational opportunities for our guests and team members   |
| Striving Arboretum                           | to display plants from around the world suited to the central coastal region of California and the San Francisco Bay area  |
| The Connecticut College Arboretum            | to provide an outdoor laboratory for use by faculty and students in botany, zoology, biology, environmental studies and other departments. In both teaching and research the arboretum is a unique and valuable resource and support facility  |
| Univ of Tennessee Arboretum                  | To establish a collection of woody plants, including species and cultivars, and those plants having potential commercial value as forest species or for landscape development, from which materials may be obtained for breeding and propagation (2) to provide a place open to the public where individuals or groups may study the woody and associated herbaceous plants which are adapted to the environments of Tennessee (3) to provide land and supporting physical resources to facilitate associated plant research programs. |
| University of Arizona Arboretum              | to conserve, manage, enhance, and expand a vital collection of plants adapted to an active urban Sonoran desert setting; and to showcase the historic, aesthetic, environmental, economical and educational value of these plants within our community and the American Southwest  |
| University of California Berkeley            | to develop and maintain a diverse living collection of plants to support teaching and worldwide research in plant biology, further the conservation of plant diversity and promote understanding and appreciation of plants and the natural environment.   |
| University of California Irvine              | to develop an outstanding collection of plants especially suited to the Mediterranean climate characteristic of southern California  |
| University of Illinois Arboretum             | to discover, interpret, and disseminate knowledge in the plant sciences and applied arts by providing an aesthetically enriched setting for education, research, conservation and enjoyment  |
| University of Puerto Rico                    | to be a center of science, education and culture and recreation for the university and to maintain a major collection of tropical native flora   |
| University of Wisconsin Arboretum and Center | to conserve and restore Arboretum lands, advance restoration ecology and foster the land ethic   |
| W.J. Beal Botanical Garden, Michigan State   | Reflecting the philosophy of a land-grant institution, the W.J. Beal Botanical Garden is an outdoor laboratory engaged in teaching, collection development, research, conservation and public service. These activities focus on a theme of natural plant diversity, economic botany, ecology and plant conservation with emphasis on the Great Lakes regions  |

Table 3. Educational Programs at Botanical Gardens and Arboreta

| Name                                      | Industry/Professionals | Colleges and Universities | College classes | Graduate classes | In residence classes | Conferences program (researcher, writer, Undergrad research) | Grad, faculty research | Community classes | Public self guided tours | A-H, SCOUTS, FFA, ETC. | Day camps | Hort programs | Speaker's bureau | Certification Programs | Information Programs | Index seminum | In-school programs | Comments  |
|---|------------------------|---------------------------|-----------------|------------------|----------------------|--|------------------------|-------------------|--------------------------|------------------------|-----------|---------------|------------------|------------------------|----------------------|---------------|--------------------|---|
| Arizona State University                  |                        |                           |                 |                  |                      |  |                        | x                 |                          |                        |           |               |                  |                        |                      |               |                    | brown bag lunch series each Friday: roses, composting, annuals and perennials, etc  |
| Arnold Arboretum                          | x                      | x                         | x               |                  | x                    |  | x                      | x                 | x                        | x                      |           |               |                  |                        |                      |               |                    | private group tours \$125.00  |
| Blue Ridge Community College Arboretum    |                        | x                         |                 |                  |                      | x  |                        |                   |                          |                        | x         |               |                  |                        |                      |               |                    |   |
| Campus Arboretum, University of Georgia   |                        | x                         |                 |                  |                      |  |                        |                   | x                        | x                      |           |               |                  |                        |                      |               |                    | entire campus is outdoor classroom for horticulture, forestry, ecology, landscape   |
| Chadwick Arboretum, Ohio State University |                        |                           |                 |                  |                      | x  |                        |                   |                          |                        |           |               |                  |                        |                      |               |                    | Landscape rooms 20x20' are bid on by students to design according to a client brief; one design is selected for installation by students and will last fo 5 years   |
| Chadwick Arboretum, Ohio State University |                        |                           |                 |                  |                      | x  |                        |                   |                          |                        |           |               |                  |                        |                      |               |                    | Learning garden- ideas for garden come from Landscape ecology journal club; an organization of faculty, students and staff share ideas about research and education |
| Chadwick Arboretum, Ohio State University |                        | x                         | x               |                  |                      | x  | x                      |                   |                          |                        |           |               |                  |                        |                      |               |                    | entire garden is research and teaching tool; landscape design and trials with native plants and grasses, prairie plants in the landscape                            |
| Connecticut College                       |                        | x                         |                 |                  |                      |  |                        | x                 |                          |                        | x         |               |                  |                        |                      |               |                    | tree ID workshops, bird census data, dendrology, biology, botany  |
| Core Arboretum, West Virginia University  |                        | x                         |                 |                  |                      |  |                        |                   |                          |                        |           |               |                  |                        |                      |               |                    |   |
| Core Arboretum, West Virginia University  |                        |                           |                 |                  |                      |  |                        |                   | x                        |                        |           |               |                  |                        |                      |               |                    | wildflower walks, bird walks  |







Table 3. Educational Programs at Botanical Gardens and Arboreta

|   |   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Durfree Conservatory and Gardens, University of Massachusetts |   |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | herbs, spices and medicinal plants, landscape design, bonsai, horticulture therapy, floriculture   |
| Durfree Conservatory and Gardens, University of Massachusetts |   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 loop tours of campus including conservatory, campus arboretum  |
| Frank Waugh Arboretum, University of Massachusetts            |   |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | landscape architecture, botany, horticulture, forestry, ecological restoration, plant science  |
| Fullerton Arboretum   |   |  | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | lots of short courses: pizza garden planting, watercolor classes, bug classes, story times in the garden, bird watching, butterfly ID, pressed flowers, herbs, composting  |
| Fullerton Arboretum   |   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Arboretum Adventures day camp for 6-12 yr olds, July 7-Aug 1   |
| Harold L. Lyon Arboretum University of Hawaii Manoa           |   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Walk in the rain forest, planting around the world, clay creations, Monet in Manoa, Hawaiian forest plants and animals, discover plants, backpack science, teachers intro to the arboretum, art in nature's garden, hawaiian endangered species, interdependence links between plants and animals, ginger tour, basic micropropagation techniques, palm ID, heliconia hike, orchid culture, vanilla culture, Lei plants, awesome aroids, basic botany for gardeners, ginger-licious!, tamales, greens from the garden, all about organic foods, chef showcase series, terrible termites, botanical art, educational classes grouped into 6 categories: summer science for kids, teacher workshops, horticulture, cooking, arts and crafts and outings. |
| Harold L. Lyon Arboretum University of Hawaii Manoa           |   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | bird walks, guided hikes through the garden,   |
| J.C. Raulston Arboretum, North Carolina State University      | x |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Source of information for landscape/nursery professionals, urban planners, and direct source of properly identified landscape plant propagules; published ratings of annual bedding plant trials, consultations, trade publications, exhibits at trade shows, professional exhibits  |

Table 3. Educational Programs at Botanical Gardens and Arboreta

|   |   |  |   |   |   |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |
|---|---|--|---|---|---|--|--|---|---|---|---|---|---|---|--|--|--|--|--|---|---|---|
| J.C. Raulston Arboretum, North Carolina State University    |   |  | x | x |   |  |  | x | x |   |   |   |   |   |  |  |  |  |  |   | Diverse plant collection for education and research in botany, taxonomy, cultivation, landscape design, forestry, arboriculture, plant pathology, entomology, parks and recreation management, horticulture |   |
| J.C. Raulston Arboretum, North Carolina State University    |   |  |   |   |   |  |  |   |   |   |   |   | x |   |  |  |  |  |  | x |   | volunteer guides provide one-on-one tours, also self guided tour sheets for seasonal interest   |
| J.C. Raulston Arboretum, North Carolina State University    |   |  | x |   |   |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   | Supports development of campus arboreta across the state  |
| Johnson Community College Arboretum                         |   |  |   |   |   |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   | lecture series: herbs for the holiday, what's up with the weather?, xeriscaping, mailbox gardening, native species gardening,   |
| Landis Arboretum  |   |  |   |   |   |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   | x   | horticulture and landscape design certificate program   |
| Lilian Anderson Arboretum, Kalamazoo College                |   |  |   | x |   |  |  |   | x | x | x | x |   |   |  |  |  |  |  |   |   |   |
| McCrary Gardens and South Dakota State University Arboretum |   |  | x | x | x |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   | outdoor teaching laboratory for college classes and local schools   |
| Memorial University Botanic Garden                          |   |  |   | x |   |  |  | x |   | x | x | x | x |   |  |  |  |  |  |   |   | x   |
| Memorial University Botanic Garden                          |   |  |   |   |   |  |  | x |   |   |   |   |   |   |  |  |  |  |  |   |   | Cottage garden weekend- designing and building a cottage garden   |
| Mildred Mathias Botanical Garden                            |   |  | x | x | x |  |  | x |   | x | x |   |   |   |  |  |  |  |  |   | x   | x   |
| Minnesota Landscape Arboretum                               | x |  | x | x |   |  |  | x |   | x | x | x | x | x |  |  |  |  |  |   |   | x   |
| Morton Arboretum  |   |  |   |   |   |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   | x   |
| Morton Arboretum  |   |  |   | x | x |  |  |   |   | x | x |   |   |   |  |  |  |  |  |   |   | extensive facilities including electron microscope, growth chambers, photo laboratories, drafting laboratory, plant pathology lab, ecology/soils lab, chemotaxonomy lab, wastewater treatment lab |



Table 3. Educational Programs at Botanical Gardens and Arboreta

|   |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|---|---|---|---|---|---|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Purdue University Horticulture Gardens  |   |   | x |   |   |  |  |  |  |  |  | x |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | brochure available for tour   |
| Quail Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  | x | x |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | just beginning design work for a children's garden  |
| Rancho Santa Ana Botanical Garden       |   | x | x | x |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | dedicated mostly to taxonomic and floristic studies of California native plants; seminar series on history of botanic gardens   |
| Reiman Gardens Iowa State University    |   |   |   | x | x |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | children's workshops, youth plant labs, story time, short courses, garden walks, garden book club, brown bag lunch program  |
| Reynolda Gardens, Wake Forest           |   |   |   | x |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Plant science, art and writing institute for teachers (stipend is paid!)  |
| Royal Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Seedy Saturday, CBC radio one goes gardening, alternative lawn and garden care, mediterranean food and wine festival, orchid society show, Ontario garden show, Magnolia night, |
| Royal Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Discovery carts- hand's on stations in 2002 one on bugs in the garden and color perceptions   |
| Royal Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Come paint with us: watercolor painting under guidance of an art instructor, numbers limited and reservation required   |
| Royal Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Gardening information service: phone hot line for gardening questions   |
| Royal Botanical Garden                  | x | x |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Library for public use  |
| Royal Botanical Garden                  |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Discovery garden- visitors are encouraged to see, smell, touch, hear plants and nature  |
| Santa Barbara Botanic Garden            |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Certified green gardener program (resource-efficient landscaping for professional landscape maintenance gardeners)  |
| Schoenike Arboretum, Clemson University |   |   |   | x |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | arboriculture, minor in urban forestry,   |
| Scott Arboretum of Swarthmore college   | x |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | regional conferences on woody plants for landscapes in PA, invasive plants, perennials for the landscape and garden center industries   |
| Scott Arboretum of Swarthmore college   |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | plants for landscaping, guest speakers, landscape design, lunchtime series lectures mostly about botanical trips around the world sponsored by the garden                       |
| Scott Arboretum of Swarthmore college   |   |   |   |   |   |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | garden tours and lectures   |

Table 3. Educational Programs at Botanical Gardens and Arboreta

|  |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  |  |
|--|--|--|---|---|---|---|---|--|--|--|--|--|---|--|---|---|--|--|--|--|
| Scott Arboretum of Swarthmore college                            |  |  |   |   |   |   |   |  |  |  |  |  | X |  | x |   |  |  |  | children's workshops, "Kindergardening". Workshop on butterflies and making table arrangements for the entire family   |
| Scott Arboretum of Swarthmore college                            |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  |  |
| Smith College Botanic Garden                                     |  |  | x |   | x | x | x |  |  |  |  |  |   |  |   |   |  |  |  |  |
| Thompson Mills Forest and State Arboretum, University of Georgia |  |  | x | x |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  | dendrology, ecology, silviculture, forest biology, Warnell School of Forest Resources  |
| Thompson Mills Forest and State Arboretum, University of Georgia |  |  |   |   |   |   |   |  |  |  |  |  | x |  |   |   |  |  |  | host FFA, 4-H DENDROLOGY Teams, soil judging, natural resources management   |
| Thompson Mills Forest and State Arboretum, University of Georgia |  |  |   |   |   |   |   |  |  |  |  |  |   |  | x | x |  |  |  | church groups, CES programs, class tours   |
| University of California Berkeley                                |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  | 1 hr tours, school groups must have one adult for every 5 kids, student tours provide 1 docent for every 5-6 kids, also in school programs, \$50 fee, first look at plants, five senses, flower walk, plant travelers, Calif native plants, creeks and ponds, foods of the Americas, plants and people*, California habitat alive*, plants through time (evolution) biodiversity, plants around the world*, plants and people, Calif. habitats, tropical topics*, careers in botany*, in school program: grocery store botany plus * above |
| University of California Berkeley                                |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  | provides speakers for groups who cannot get to the garden. \$50 fee  |
| University of California Berkeley                                |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  | 1 hr tours, \$3. Per person, around the world in 80 minutes, biodiversity, evolution and adaptation, Calif natives, plants from the Bible, solitary bees in the vineyard, serpentine plants, seasonal color in mesoamerica, rose pruning   |
| University of California Berkeley                                |  |  |   |   |   |   |   |  |  |  |  |  |   |  |   |   |  |  |  | biodiversity, plant conservation, taxonomy, botany and economic botany   |



Table 3. Educational Programs at Botanical Gardens and Arboreta

|  |   |  |   |   |  |  |   |   |   |   |   |  |   |  |   |  |  |  |  |  |  |
|--|---|--|---|---|--|--|---|---|---|---|---|--|---|--|---|--|--|--|--|--|--|
| University of Vermont Hort Farm                                      | x |  |   |   |  |  | x | x | x | x | x |  | x |  | x |  |  |  |  |  | landscape planning workshop, holiday décor from the garden workshop, ecology of fall colors, mushroom walk, apple varieties for home gardens, gardens for sutterbugs, crabapple and lilac pruning. |
| University of Wisconsin Arboretum and Center for Restoration Ecology |   |  |   |   |  |  |   |   | x |   |   |  |   |  |   |  |  |  |  |  | Community classes: rare plants, water quality, conservation ecology, deer, prairie ecology (\$3-20); Luncheon lecture series for friends of the arboretum  |
| University of Wisconsin Arboretum and Center for Restoration Ecology |   |  |   |   |  |  |   |   |   |   |   |  | x |  |   |  |  |  |  |  | Earth Partnership for Schools, teacher education for K-12, schoolyard restoration; summer institute; restoration based research idea program for K-12; woodland restoration for Wisconsin schools  |
| University of Wisconsin Arboretum and Center for Restoration Ecology |   |  |   |   |  |  |   |   |   |   |   |  | x |  |   |  |  |  |  |  | School tours: native ecosystems, restoration, effigy mounds, birding,  |
| University of Wisconsin Arboretum and Center for Restoration Ecology |   |  |   |   |  |  |   |   |   |   |   |  |   |  |   |  |  |  |  |  | Earth partnership for families and young poerson's guide walks: sky stories, family walks, birding walks, animals and tracks walks, bluebirds,   |
| University of Wisconsin Arboretum and Center for Restoration Ecology |   |  |   |   |  |  |   |   |   |   |   |  | x |  |   |  |  |  |  |  | Earth focus day camp for kids 3-14; hands on activities with wisconsin plants and animals, outdoor exploration ,stories, crafts, games,  |
| W.J. Beal Botanical Garden, Michigan State                           |   |  | x | x |  |  |   |   |   |   |   |  | x |  |   |  |  |  |  |  | plant biology, colors, shapes, \$1 per student; permit required, form on web   |
| W.J. Beal Botanical Garden, Michigan State                           |   |  |   |   |  |  |   | x | x |   |   |  |   |  |   |  |  |  |  |  | cross pollination of corn, buried weed seed studies; 40 bottles buried in 1879, in 2000 the 15th bottle was unearthed, 120 years after beginning   |

Table 4. Highlights: the best of the botanical gardens and arboreta

| Name                                   | Highlight   |
|--|---|
| Beal Garden                            | oldest continuously operating university garden of its kind in the US, long, long term research on seed viability, North American cultivated plants and their relatives |
| Chadwick Arboretum                     | excellent self analysis, worth contacting for more information  |
| Connecticut College                    | photo contest rules   |
| Denver Botanic Garden                  | excellent course offerings, wide variety of styles- certificate, short courses, day-long workshops  |
| Desert Botanical Garden                | great exhibit of sculptures by Gary Lee Price   |
| Lyon Arboretum                         | great grouping and collections of public classes and workshops  |
| McCrary Garden                         | very similar to GBG in mission  |
| Mendocino Coast Botanical Garden       | excellent seasonal displays identifying mushrooms popping up all over the garden.   |
| Minnesota Landscape Arboretum          | the very best educational programs for K-12   |
| Minnesota Landscape Arboretum          | good site on how to give online through their foundation accounts   |
| Mississippi State University           | extension emphasis, great mix of classes and public events, outstanding Pinetree Pavilion   |
| Rancho Santa Ana Botanic Garden        | excellent instructions for running a seedbank Index Seminar   |
| Root Glen                              | great use of panoramic photos on web  |
| Santa Barbara Botanic Garden           | outstanding landscaping around classroom area showing landscaping with native plants  |
| University of Arizona Campus Arboretum | interesting paper on evaluating and assessing value of campus trees   |
| University of California Berkeley      | live collection associated with huge Herbarium, interesting list of school classes  |
| University of California Davis         | Moon garden- use of white rocks, water, white flowers to reflect visible light and remain visible   |
| University of California Irvine        | excellent volunteer program, well organized, defines benefits   |
| University of California Santa Cruz    | see this site for constitution and bylaws for arboretum associates volunteer organization   |
| University of Delaware                 | good list of workshops for volunteers: pruning, pests, weeds, propagation; good form for internship program   |



Table 5. Friends Organizations

| Name   | Mission  | Perks  | Special projects                                    |
|--|--|--|---|
| Auburn University, vol   | remove unwanted plants, clean vines from fences, spread pine bark, painting wooden structures  |  |   |
| Blue Ridge Community College Arboretum                                       | SWAT teams: people make frequent trips into the arboretum to look for pests (2,4,6, or 8 legs!); Arboretum quick response team: come to garden on short notice to clean up storm damage, handle plants left on doorstep; volunteer work days- specific activities in arboretum |  |   |
| Chadwick Arboretum, Ohio State University                                    | support group for fundraising, also includes volunteers  | friends plant sale, Green reserve newsletter, member only events, lecture discounts, most of recent building projects in garden funded through friends |   |
| Conservatory of Flowers, Golden Gate Park                                    | Friends of Recreation and Parks dedicated to revitalization, reforestation and restoration of San Francisco's parks, playgrounds, recreation centers   |  | raised money to restore the conservatory of flowers |
| Crosby Arboretum, Mississippi State University, vol                          | volunteers tend plants, maintain trails, stuff envelopes, assist with construction, gift shop assistants, admission greeters,  |  |   |
| Devonian Botanic Garden, Univ. of Alberta, Crafter's association, friends of | Crafter's Association- dedicated to making arts and crafts (pressed flowers pictures, potpourri, candles, etc) to sell at bazaars and in the gift shop to raise money for the garden, an auxiliary of the friends organization   | same as friends of at Devonian   |   |
| Devonian Botanic Garden, Univ. of Alberta, friends of                        | a voluntary charitable non-profit organization founded in 1971 that supports the development, programmes and work of the Garden  | plant sale 1 week before reg sale, Strawberries and Champagne event in garden mid July invitation only   |   |

Table 5. Friends Organizations

|   |   |  |  |
|---|---|--|--|
| Dorothy Harvie Garden and Conservatory, Calgary Zoo                   | run through the master gardener program; requires training in plant ID  |  |  |
| Durfee Conservatory and Gardens University of Massachusettes, friends | maintain the historical mandate of the conservatory of education ,research and service including public enjoyment of the conservatory   |  |  |
| Fullerton Arboretum   | sole purpose is to raise funds for the arboretum by fundraising, hosting events, running the plant sale and gift shop, and coordinating volunteers  |  |  |
| McCrorry Gardens and South Dakota State University Arboretum          | continued support of the garden, endowment fundraising  | free bulletin published 3 times a year, Friends Day= special tours, plant sales, special recognition |  |
| Minnesota landscape arboretum   | help maintain gardens and grounds, support research and educatiional opportunities  |  |  |
| Purdue University Horticulture Gardens                                | friends of  | free guided tour each spring, invitation to special events   |  |
| Reynolda Garden, Wake Forest  | financial support, garden maintenance, educational programs, writing for newsletter, fundraising  | newsletter, recognition in garden  |  |
| Royal Botanical Garden, friends of                                    |   | free admission, store discounts  |  |
| Scott Arboretum of Swarthmore College                                 | Arboretum assistants receive 22 hours of training and in return promise to work two half days per month during the growing season providing plant and weed identification, horticultural assistance, tour guides and docents, |  |  |
| Smith College Botanic Garden  | sponsors lectures, symposia, welcomes each student with an ivy plant, sponsored summer intern program at Kew Gardens  |  |  |

Table 5. Friends Organizations

|                                     |  |  |   |
|-------------------------------------|--|--|---|
| University of California Berkeley   | categories of volunteers: horticulture, events, docents, propagators, garden shop  | min 3 hrs per week   | raised money for visitor's center, tour orientation center, amphitheater, aquatic plant display, renovation of conference center, |
| University of California Davis      | group of people who share an interest in plants, gardening, science, art and nature, grow plants for the garden, plant, weed, prune and irrigate gardens, lead tours, raise funds, organize trips to other gardens, nurseries, water plants, map gardens, prepare plant labels, make illustrations, take photos, lead environmental programs for schools; professional services volunteers donate expertise in garden design, computer programming, marketing, journalism, retail sales, graphic design; friends meet monthly Oct- May | newsletter, complementary parking-12 days, invitations to special events, members only plant sales, travel opportunities; friends have several "circles" Manzanita circle all of the perks above plus preview receptions for new arboretum developments; Valley Oak circle- all of above plus plant sale preview, Sequoia circle all of above plus private garden consultation |   |
| University of California Santa Cruz | Friends of the Arboretum assist and support the arb in its efforts to carry out research, propagation, conservation and public education activities, relative to the plant taxa for which it serves as a vital repository  |  |   |
| University of Delaware              | divided into groups according to times available to work and type of work; they work with the student intern to do grounds maintenance, propagation, planting, etc.  | free educational workshops on weeds, pests, propagation, pruning   |   |

**Table 5. Friends Organizations**

|  |  |   |   |
|--|--|---|---|
| University of Illinois Arboretum                                     | tour guide, docent, hort assistant, special events assistant, education and interpretive programs assistant, data collection, arboaretum promotions  |   |   |
| University of Tennessee Arboretum Society, vol.                      | further objectives and programs of the Arboaretum project, supports multiple roles as research center, environmental classroom, public service facility; construction of public use facilities designed to improve enjoyment and use of the Arboretum, expansion of the number and diversity of the plant collections, assistance in research , educational and maintenance activities through financial support of student aids |   |   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | to enhance the arboretum capacity to accomplish its research education and outreach by: providing volunteer and financial support, assisting with the arboretum's varied educational and outreach activities, helping the arboretum sustain its sense of hisotry and tradition, offering benefits to its memb ers, and inspiring people to become involved inthe arboretum   | Luncheon lecture series, annual dinner, annual meeting and picnic breakfast, with awards for ecological restoration, trips at reduced rates to places like Kenya, discounted subscription rates to "Ecological Restoration" | raised 3 million for a capital campaign |

Table 6. Donation Programs at Botanical Gardens and Arboreta

| Garden   | Type         | Cost         | Description  | Recognition  |
|--|--------------|--------------|--|--|
| Chadwick Arboretum, Ohio State University                            | bench        | \$ 1,000.00  | bench  |  |
| Smith College Botanic Garden   | bench        | varies       | memorial bench   | donor plaque   |
| University of Arizona Campus arboretum                               | bench        | \$1,000      | bench sponsor  | donor plaque   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | education    | varies       | guided walks, educational programs for families  | events sponsored by local nonprofits, for profits and friends of the arboretum |
| University of California Davis                                       | general      | varies       | trees, reference books, benches, water fountains, picnic tables, trees   |  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | money        | \$ 500.00    | \$ gifts to capital campaign of >\$500 get free art poster   | in newsletter and in book displayed in visitor's center                        |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plant labels | \$ 75.00     | purchases 15 plant labels for specimens  | in newsletter and in book displayed in visitor's center                        |
| Campus Arboretum, University of Georgia                              | plantings    | \$ 10,000.00 | President's club garden recognizes those who gave \$10,000 or greater to the U of Georgia, names are inscribed on a plaque that line the brick walls | plaque   |
| Chadwick Arboretum, Ohio State University                            | plantings    | \$ 750.00    | 3-5 shrubs   |  |
| Chadwick Arboretum, Ohio State University                            | plantings    | \$ 1,000.00  | donor tree, 5 yr minimum commitment  |  |
| Chadwick Arboretum, Ohio State University                            | plantings    | \$ 2,500.00  | endowed tree, replaced indefinitely  |  |
| McCrary Gardens and South Dakota State University Arboretum          | plantings    | \$5,000      | sponsorship of large collections such as maple collection  | brass plaque   |

Table 6. Donation Programs at Botanical Gardens and Arboreta

|  |           |                  |  |   |
|--|-----------|------------------|--|---|
| McCrary Gardens and South Dakota State University Arboretum          | plantings | \$2,500.00       | small collections such as ginkgo   | brass plaque  |
| North Dakota State University Arboretum                              | plantings | varies           | adopt-a-tree program to enrich the arboretum   | sign in garden  |
| Smith College Botanic Garden   | plantings | \$3000-\$200,000 | Adopt a tree   | donor plaque  |
| Smith College Botanic Garden   | plantings | \$3,000          | Memorial Tree  | donor plaque  |
| University of Arizona Campus arboretum                               | plantings | \$5,000          | Adopt a heritage tree  | donor plaque  |
| University of Arizona Campus arboretum                               | plantings | \$2,500          | memorial or tribute plantings  | donor plaque  |
| University of Arizona Campus arboretum                               | plantings | \$10,000         | named garden area or endowment   | donor plaque  |
| University of California Fresno                                      | plantings | \$ 175.00        | tree or shrub on campus; local organizations such as Rotary sponsor entire gardens such as the allergy free garden and raise money for maintenance | brass plaque  |
| University of Nevada Reno  | plantings | \$100-\$5000     | low end = single shrub, high end = grove of trees  | donations over \$100 acknowledged with plaque           |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 50.00         | seed for 50 square feet of prairie or savannah garden  | in newsletter and in book displayed in visitor's center |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 100.00        | supports planting and care of 20 herbaceous plants   | in newsletter and in book displayed in visitor's center |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 500.00        | one native shrub, planting and care  | plaque in garden + newsletter+ visitor's center book    |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 1,000.00      | one canopy tree, planting and care   | plaque in garden + newsletter+ visitor's center book    |

**Table 6. Donation Programs at Botanical Gardens and Arboreta**

|  |           |              |  |   |
|--|-----------|--------------|--|---|
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 2,500.00  | entrance planting  | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 5,000.00  | entrance planting  | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 7,500.00  | entrance planting  | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 2,500.00  | adopt a planting of native or horticultural specimens in a display flanking the approach to the visitor's center       | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 5,000.00  | adopt a planting of native or horticultural specimens in a display in the parking lot adjacent to the visitor's center | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 7,500.00  | adopt a planting of native or horticultural specimens in a display in the parking lot adjacent to the visitor's center | plaque in garden + newsletter+ visitor's center book  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plantings | \$ 10,000.00 | undesignated or designated, varies   | acknowledged on wall of honor in the visitor's center, in newsletter and in book on display in the visitor's center |
| Arizona State University Arboretum                                   | plaques   | \$100        | copper plaque on the Wall of Honor, Sun Devil Plaza  | donor plaque  |

**Table 6. Donation Programs at Botanical Gardens and Arboreta**

|  |              |           |  |   |
|--|--------------|-----------|--|---|
| University of Wisconsin Arboretum and Center for Restoration Ecology | poster/print | \$ 150.00 | signed limited edition print   | in newsletter and in book displayed in visitor's center |
| University of Wisconsin Arboretum and Center for Restoration Ecology | poster/print | \$ 20.00  | general edition poster (not signed)  | in newsletter and in book displayed in visitor's center |
| University of Wisconsin Arboretum and Center for Restoration Ecology | tile         | \$ 135.00 | Engraved tile: 12x6" tile in one of four concentric circles on a terrace near the visitor's center | in newsletter and in book displayed in visitor's center |
| Devonian Botanic Garden  | unrestricted | varies    | Planned giving program (bequests, life insurance, securities)                                      | ongoing pgm   |



Table 7. Facilities

| Name   | Administrative offices | Art gallery | Book store (inst. books) | Classroom (inst. books) | Conservatory(ies) | Education center | Exhibit area | First aid station | Gift shop | Kitchen | Library | Multi-purpose auditorium | Overnight accommodations | Plant sales area (year-round) | Production greenhouse | restaurant/café | Special event area | Manager, superintendent residence | Support facilities | Theater (capacity) | Visitor's center | Outdoor amphitheatre | Wheelchairs | Picnic area                                 | Facilities   |
|--|------------------------|-------------|--------------------------|-------------------------|-------------------|------------------|--------------|-------------------|-----------|---------|---------|--------------------------|--------------------------|-------------------------------|-----------------------|-----------------|--------------------|-----------------------------------|--------------------|--------------------|------------------|----------------------|-------------|---|--|
| Arizona-Sonora Desert Museum                   | x                      | x           | x                        | x                       | x                 | x                | x            |                   |           |         |         |                          |                          | x                             |                       |                 |                    |                                   |                    |                    |                  | x                    |             | free strollers, motorized scooters for rent |  |
| Core Arboretum, West Virginia University       |                        |             |                          |                         |                   | x                | x            |                   |           |         |         | x                        | x                        | x                             | x                     |                 |                    |                                   |                    |                    |                  |                      | x           |   | uncovered  |
| Crosby Arboretum, Mississippi State University |                        |             |                          |                         |                   |                  |              |                   |           |         |         |                          |                          |                               |                       | x               |                    | x                                 | x                  |                    |                  |                      |             |   | Pinecote Pavilion, available for rent  |
| Crosby Arboretum, Mississippi State University |                        |             |                          |                         |                   |                  |              |                   |           |         |         | x                        |                          |                               |                       |                 |                    | x                                 |                    |                    |                  |                      |             |   |  |
| Crosby Arboretum, Mississippi State University |                        |             |                          |                         |                   |                  |              |                   |           |         |         |                          |                          |                               |                       |                 |                    |                                   |                    |                    | x                |                      |             |   |  |
| Davis Arboretum                                | x                      |             |                          | x                       |                   |                  |              |                   |           |         |         |                          |                          |                               |                       |                 |                    | x                                 |                    |                    |                  |                      |             |   | open air classroom   |
| Denver Botanic Garden                          | x                      |             |                          | x                       | x                 | x                |              | x                 |           | x       |         |                          | x                        | x                             | x                     |                 |                    | x                                 |                    |                    | x                |                      |             |   |  |
| Desert Botanic Garden                          | x                      |             |                          | x                       |                   | x                | x            | x                 | x         | x       |         |                          |                          | x                             | x                     | x               |                    |                                   |                    |                    | x                |                      | x           |   |  |
| Devonian Botanic Garden, Univ. of Alberta      | x                      | x           | x                        | 30-40                   | x                 | x                |              | x                 |           | x       | 150     |                          | x                        | x                             | x                     |                 |                    | x                                 |                    | x                  |                  | x                    |             |   | Food concession stand in summer only , Ozawa Japanese tea house pavilion for rent for up to 20 people, overnight accommodations for 4 people; facilities for weddings and wedding photos   |
| Dorothy Harvie Garden and Conservatory         |                        |             |                          |                         | x                 |                  |              |                   |           |         | x       |                          | x                        |                               | x                     |                 |                    | x                                 |                    | x                  |                  |                      |             |   |  |
| Fort Worth Botanic Garden                      | x                      |             | x                        | x                       | x                 | x                |              | x                 |           |         | x       |                          | x                        | x                             | x                     |                 |                    |                                   |                    | x                  | x                |                      | x           |   |  |
| Fullerton Arboretum                            | x                      |             |                          | x                       | x                 |                  |              |                   |           |         |         | x                        | x                        |                               |                       |                 |                    | x                                 |                    | x                  |                  |                      |             |   |  |
| Gold Ridge                                     | x                      |             |                          |                         |                   |                  |              |                   |           |         |         |                          | x                        |                               |                       |                 |                    | x                                 |                    | x                  |                  |                      |             |   | buildings are small, historic reproductions of original buildings  |
| Mendocino Coast Botanical Garden               | x                      |             |                          |                         |                   |                  |              | x                 |           |         |         | x                        | x                        | x                             | x                     |                 |                    | x                                 |                    | x                  |                  | x                    |             |   | free electric carts, also umbrellas for rainy days   |
| Minnesota Landscape Arboretum                  |                        |             |                          |                         |                   |                  |              | x                 |           |         |         |                          |                          |                               |                       |                 |                    |                                   |                    | x                  | x                |                      |             |   | tea room   |
| Morton Arboretum                               | x                      |             | x                        |                         | x                 |                  |              | x                 |           | x       |         |                          |                          |                               |                       |                 |                    | x                                 |                    |                    |                  |                      |             |   | also herbarium, climate and map room,  |
| Muttart Conservatory                           | x                      |             |                          | x                       |                   | x                |              |                   |           |         |         | x                        | x                        | x                             |                       |                 |                    | x                                 |                    | x                  |                  |                      |             |   |  |
| Niagara Parks Butterfly Conservatory           | x                      |             |                          | x                       |                   |                  |              | x                 |           |         |         |                          | x                        | x                             |                       |                 |                    | x                                 |                    | x                  |                  |                      |             |   | part of huge park system along the Niagara River   |
| Phipps Conservatory and botanical garden       | x                      |             |                          |                         | x                 |                  |              | x                 |           |         |         | x                        |                          | x                             |                       |                 |                    |                                   |                    | x                  |                  |                      |             |   | Under construction- new visitor's center and tropical forest under glass built into a cliff face sheltering a canyon with many waterfalls, a village clearing, traditional healer's hut, research field station and tropical café; also will build new garden entrance, covered parking, support facilities, production greenhouse; entrance will enhance Victorian nature of conservatory |
| Quail Botanical Garden                         | x                      |             |                          | x                       |                   | x                |              | x                 | x         | x       |         |                          |                          | x                             | x                     |                 |                    | x                                 |                    | x                  |                  |                      |             |   |  |

Table 7. Facilities

|   |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
|---|---|--|--|--|---|---|--|--|--|--|---|---|---|---|--|--|--|---|---|--|--|--|--|--|--|--|---|--|--|--|--|--|---|---|
| Reiman Garden, Iowa State University                                    |   |  |  |  | x |   |  |  |  |  |   | x |   |   |  |  |  | x | x |  |  |  |  |  |  |  | x |  |  |  |  |  |   |   |
| Reynolda Gardens, Wake Forest   |   |  |  |  | x |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| Royal Botanical Garden  | x |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| Rutgers Gardens   | x |  |  |  |   | x |  |  |  |  | x |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  | x |   |
| Santa Barbara Botanic Garden  | x |  |  |  | x |   |  |  |  |  |   | x | x | x |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  | x |   |
| Schoenike Arboretum, Clemson University                                 |   |  |  |  |   | x |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| Scott Arboretum at Swarthmore college                                   | x |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   | x |
| Strybing Arboretum<br>University of California Berkeley                 | x |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| University of California Berkeley                                       |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| University of California Davis  |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| University of Illinois Arboretum  |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| University of Tennessee Arboretum                                       |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
| University of Wisconsin Arboretum<br>and Center for Restoration Ecology | x |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |
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|   |   |  |  |  |   |   |  |  |  |  |   |   |   |   |  |  |  |   |   |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |

drinking fountain and dog fountain

250

35

merged into Golden Gate city park

Japan house, classroom and cultural center for Japanese cultural events plus location of honors pgm and study abroad pgms

auditorium with sliding divider for 2 groups, kitchen for luncheon events and classes, storage for tables and chairs,

Table 8. Plant and Craft Sales

| Name  | Plant sale type   | \$\$ |
|---|---|------|
| Chadwick Arboretum, Ohio State University       | plant sale, presale for friends, spring tree auction  |      |
| Connecticut College Arboaretum                  | fall and spring plant sales   |      |
| Crosby Arboretum, Mississippi Sstate University | arbor day plant sale of trees and shrubs in Feb; spring sale of perennials, wildflowers, shrubs. Trees in Mar., spring plant swap meet free plant swap in April |      |
| Davis Arboretum, Auburn University              | Toomers Oak Project- famous oak tree on campus, collect acorns and germinate seedlings; sell seedlings for \$100 each   |      |
| Devonian Botanic Garden, Univ. of Alberta       | Friends only plant sale in early May; public plant sale a week later  |      |
| Devonian Botanic Garden, Univ. of Alberta       | Crafter's fall and Christmas sales  |      |
| Dyck Arboretum                                  | Great plains plant bazaar and FloraKansas native plant sale   |      |
| Fullerton Arboretum                             | Monster Tomato and Pepper sale  |      |
| Lyon Arboretum                                  | summer plant sale, orchid sale  |      |
| Minnesota Landscape arboretum                   | hosta sale, general plant sale  |      |
| Muttart Conservatory                            | poinsettia sale   |      |
| Muttart Conservatory                            | kids only sale- nothing over \$10; parents stay outside while kids shop for christmas presents  |      |
| Phipps Consevatory and botanical garden         | Great plant auction- new and unusual plants   |      |
| Phipps Consevatory and botanical garden         | Mother's day weekend plant sale- perennials, hanging baskets, orchids, bonsai, tropicals  |      |

Table 8. Plant and Craft Sales

|  |   |               |
|--|---|---------------|
| Phipps Conservatory and botanical garden | May market- joint with community garden clubs that sold tools and plants                            |               |
| Phipps Conservatory and botanical garden | Used bulb sale (sold 45,000 in 2002!)   |               |
| Quail Botanical Garden                   | fall plant sale, book sale, bake sale   |               |
| Quail Botanical Garden                   |   |               |
| Royal Botanical Garden                   | All types of plants sold year-round through gift shop; attached greenhouse for plants               |               |
| Royal Botanical Garden                   | RBG auxiliary plant sale- May, Thurs and Sat 9-12:30  |               |
| Rutgers Gardens                          | spring flower fair, fall landscape plant sale   |               |
| Scott Arboretum, Swarthmore college      | plant sale  | \$ 118,000.00 |
| University of California at Irvine       | poinsettia sale, spring and fall bulb sales, fall perennial sale                                    |               |
| University of California Berkeley        | holiday plant sale: succulents, indoor and container plants   | \$ 40,000.00  |
| University of California Davis           | plant faire in Sept, plant sale Nov, again in Dec   |               |
| University of California Santa Cruz      | holiday gift shop sale,   |               |
| University of California Santa Cruz      | Cutting garden developed by volunteers to provide fresh cut flowers to gift shop, spring plant sale |               |

Table 8. Plant and Craft Sales

|  |   |              |
|--|---|--------------|
| University of Delaware Botanic Garden                                | plant sale- has form to pre-order plants, catalog is on the web; friends organization also has a pre-sale slide show open to the public |              |
| University of Wisconsin Arboretum and Center for Restoration Ecology | Native plants- once a year  | \$ 13,000.00 |

Table 9 Membership Programs

| Name  | Type       | Categories                                      | Perks   |
|---|------------|---|---|
| Arizona Sonora Desert Museum                        | Individual | kids \$25, adults \$40 up to \$1200             | advance notice of events, use of library, class and workshop discounts (10%), gift shop discounts, complementary coffee/tea   |
| Chadwick Arboretum, Ohio State University           | Corporate  | \$100-\$3000                                    |   |
| Chadwick Arboretum, Ohio State University           | Individual | \$25  |   |
| Crosby Arboretum, Mississippi State University      | Individual | \$25, corporate \$100                           | pumpkin day, free, garden classes free, discounts on special events, free entrance top gdn, subscription to quarterly Newsjournal, 10% store discount, advance notice of events                         |
| Denver Botanic Garden                               | individual | admission up to President's circle for \$10,000 | newsletter subscription, discounts on concert tickets, gift shop, garden market, early admission to plant and book sale, borrowing privileges in library,   |
| Desert Botanical Garden                             | Individual | \$40  | some events free to members, others discounted  |
| Devonian Botanic Garden, Univ. of Alberta           | Individual | basic: \$35, deluxe: \$75                       | discounts, 15 free seed packets from catalog, can reserve plants for pick up at the spring plant sale, 10% discount for classes, use of garden library, special members programmes, 1 free garden visit |
| Conservatory and Calgary Zoo                        | individual | \$40 adult; \$10 child                          | Discovery passport membership and get unlimited access to the gardens   |
| Fullerton Arboretum                                 | Individual | \$25  | discounts at classes, discounts to university performing arts programs, athletics events, shops and library privileges  |
| Harold L. Lyon Arboretum University of Hawaii Manoa | Individual | \$25  | quarterly newsletter, store discounts, reciprocal benefits at other botanical gardens,  |
| Collections and Botanical Gardens                   | Individual | \$75  | member events, member only workshops, discounts at Smith and Hawken store, class discounts  |
| McCrary Gardens and South Dakota State University   | Individual | \$15  | 3 newsletters, special tours, plant sales, special recognition  |
| Mendocino Coast Botanical Garden                    | Individual | \$25  | newsletters, use of library, reciprocal garden discounts, special events  |
| Minnesota landscape arboretum                       | Individual | \$35.00   | discounts, free advice on gardening, discounts on classes and seminars, discounts on travel, reciprocal admission privileges nationwide   |

Table 9 Membership Programs

|  |             |  |   |
|--|-------------|--|---|
| Morton Arboretum                         |             |  | events, book discounts, gifts, classes field trip and lecture discounts   |
| Phipps Conservatory and Botanical garden | Corporate   | Sponsors \$1000, Partner, \$500; Associate \$250 |   |
| Quail Botanical Garden                   | Benefactor  | \$1,000  | appreciation dinner, recognition in newsletter, invitations to special events   |
| Quail Botanical Garden                   | Individual  | \$35.00  | passes, member rates for events and classes, free magazine, members only events shcy as pre-sale, borrowing privileges from library, reciprocal benefits at 100 botanical gardens and arboreta, discounts on Pacific horticulturae magazine; there are several levels from individual, supporting, sustaining, patron, fellow and |
| Reiman Garden, Iowa State University     | Individual  | \$35.00  | notification of events, discounts for educational events and programs   |
| Santa Barbara Botanic Garden             | family/dual | \$45   | discounts in nursery, classes, free parking, discounts at plant sale, free docent tours, library privileges, travel program eligibility, reciprocal admission   |
| Scott Arboretum of Swarthmore college    | Individual  |  | Scott Associates  |
| Smith College Botanic Garden             |             |  | discounts, advance registration and discounts on trips, free admission at reciprocal gardens, invitation to plant show previewsm parties, receptions  |
| University of California                 |             |  | class discounts, free tours   |
| University of California Davis           |             |  | class, workshop discounts   |
| University of California Davis Arboretum | Individual  | \$30   | and trips, monthly members only plant sales, use of library, free on campus parking, invitation to special events, plant sale catalog sent to members in advance  |
| University of California Irvine          | Individual  | \$30   | subscription to quarterly newsletter, free seed packets, event notification, free admission to spring open house  |
| University of California Santa Cruz      | Individual  | \$25   | subscription to bulletin, store discounts, priority purchase status at plant sales, member discounts at symposia, first priority on national and international field trips  |
| University of Central Florida            | Individual  | \$25   |   |
| University of Tennessee Arboretum        | Corporate   | \$300  |   |
| University of Tennessee Arboretum        | Individual  | basic \$15, \$250 life                           | The leaflet, admission to members only plant sale, advance notification of arboretum and society events   |

Table 10. Employees, volunteers

| Name   | Director | Administration, maintenance | Horticulture | Board of Trustees, etc | Friends of | education, etc | Development/ outreach | Membership officer | Research officer | Volunteer coordinator | Volunteers | Vol. Hours | Friends of | Comments   |
|--|----------|-----------------------------|--------------|------------------------|------------|----------------|-----------------------|--------------------|------------------|-----------------------|------------|------------|------------|--|
| Arboretum of the University of Central Florida         | 1        | director                    | 4            |                        |            |                |                       |                    |                  |                       |            |            |            | plus 4 web staff   |
| Arnold Arboretum                                       | 8        | Director                    | 28           |                        | 10         | 2              | 2                     |                    |                  |                       |            |            |            |  |
| Chadwick Arboretum, Ohio State University              | 2        |                             |              |                        | 1          | 1              |                       |                    | 1                |                       |            |            |            | faculty director   |
| Crosby Arboretum, Mississippi State University         | 5        | Senior curator              |              |                        | 1          |                |                       |                    |                  | x                     |            |            |            | Director called senior curator, 2 student employees  |
| Davis Arboretum  | 1        | Curator                     | 2            |                        |            |                |                       |                    |                  |                       |            |            |            |  |
| Devonian Botanic Garden, Univ. of Alberta              | 1        | director                    |              | 18                     |            |                |                       |                    |                  | x                     |            |            |            |  |
| Dorothy Harvie Garden and Conservatory and Calgary Zoo |          | curator                     |              |                        |            |                |                       |                    |                  |                       | 500        |            |            | curator works under zoo director   |
| Johnson Community College Arboretum                    | 1        | director                    |              | 29                     |            |                |                       |                    |                  |                       |            |            |            | includes president of college and local landscape services and garden center owners                |
| Mendocino Coast Botanical Gardens                      | 4        | director                    |              | 8                      |            |                |                       |                    | 1                | 100                   |            |            |            |  |
| Minnesota Landscape Arboretum                          |          | director                    |              |                        |            |                |                       |                    |                  | 1500                  |            |            |            |  |
| Peavy Arboretum, Oregon State University               | 5        |                             |              |                        |            |                |                       |                    |                  |                       |            |            |            | faculty coordinator  |
| Phipps Conservatory and botanical garden               |          | Director                    |              |                        |            |                |                       |                    |                  | 386                   | 19,861     | 4992       |            | includes 119 master gardeners, 62 horticultural volunteers, 75 docents, special events             |
| Quail Botanical Garden                                 | 3        | executive director          | 4            | 25                     | 2          | 2              |                       |                    |                  |                       |            |            |            |  |
| Rancho Santa Ana Botanical Garden                      | 6        | director                    |              | 12                     |            | 2              | 2                     | 1                  | 1                |                       |            |            |            |  |
| Rutgers University Gardens                             | 3        | director                    |              |                        | 0.5        | 1.5            |                       |                    |                  |                       |            |            |            | director, associate director, grounds superintendent, and two programming development coordinators |
| Scott Arboretum of Swarthmore college                  | 21       | Director                    |              |                        |            |                |                       |                    |                  |                       |            | 1,300      |            | campus-wide director   |
| Scott Arboretum of Swarthmore college                  | 2        | director                    |              | 24                     |            | 2              |                       | 2                  |                  |                       |            |            |            | includes 12 student employees  |
| University of California at Santa Cruz                 | 1        | director                    |              |                        |            |                |                       |                    |                  | 800                   |            |            |            | 113 charter members  |





Table 11. Events and Fundraisers

| Location   | Event                 | Purpose  |
|--|-----------------------|--|
| Quail Botanical Garden                                       | annual event          | Gourd and basket weekend- mid may; bring together basketmakers and gourd artists for a weekend of classes, workshops, exhibits, sales and sale of materials  |
| Desert Botanical Garden                                      | art                   | art in the garden fundraiser   |
| Devonian Botanic Garden, Univ. of Alberta                    | Art                   | 3 visions art show, fruit growers festival, Parkland county art show,  |
| Mendocino Coast Botanical Garden                             | art                   | art in the garden fundraiser   |
| Minnesota Landscape Arboretum                                | art                   | art exhibits at the garden   |
| Desert Botanical Garden                                      | award                 | annual award given to someone in the county who has done an outstanding job restoring original architecture, and preservation efforts                        |
| Memorial University Garden                                   | birds                 | sunda morning birdwatching all summer  |
| University of California Santa Cruz                          | birds                 | Hummingbird day- activities for kids and families about birds  |
| Crosby Arboretum, Mississippi Sstate University              | Career day            | Environmental career day free  |
| Royal Botanical Garden                                       | Craft shows and sales | RGB auxiliary christmas show and sale, Christmas workshop (crafts, wreaths) Holiday family fun (crafts and entertainment); garden and craft market in August |
| Durfee Conservatory and Gardens University of Massachusettes | Dance                 | location of dance performances outdoors  |
| Rancho Santa Ana Botanic Garden                              | education             | Teacher day  |
| Crosby Arboretum, Mississippi Sstate University              | Ethnic events         | Pine woods heritage festival- bluegrass, blues, gospel, other music pedrformances,   |
| Devonian Botanic Garden, Univ. of Alberta                    | Ethnic events         | Traditional tea ceremony in Japanese garden,   |
| Phipps Consevatory and botanical garden                      | Etnic events          | Black history month- plants from Africa exhibit, history of the peanut   |
| Fullerton Arboretum  | evening formal event  | Midsummer Night in the Garden- summer gala, black tie dinner, dancing, silent and live auctions, tickets \$100   |

Table 11. Events and Fundraisers

|  |              |   |
|--|--------------|---|
| Minnesota Landscape Arboretum                                    | family event | Sensational Sundays- one Sunday each month, families invited to taste and smell things like vanilla ice cream, build tabletop fountains, stencil textures, scavenger hunts in the greenhouse  |
| Minnesota Landscape Arboretum                                    | family event | flashlight lantern tours; night time tours of the garden during arbor lights celebration  |
| Minnesota Landscape Arboretum                                    | family event | Sagebrush pancake brunch and maple syrup tour- maple sugaring time  |
| Quail Botanical Garden   | family event | Insect festival- insects in the garden, experts on hand to help identify bugs   |
| Devonian Botanic Garden, Univ. of Alberta                        | Festivals    | Herb and flower festival  |
| Royal Botanical Garden   | Festivals    | festivals correspond with major bloom periods in garden: spring bulbs, irises and peonies, lilacs, roses, Mediterranean food and wine festival, tulip festival, lilac festival, birdfest,   |
| Purdue University Horticulture Gardens                           | Field day    | Purdue open house for horticultural trials  |
| Thompson Mills Forest and State Arboretum, University of Georgia | Field day    | State Forestry Field Day  |
| Devonian Botanic Garden, Univ. of Alberta                        | Food/drink   | wine tasting party  |
| Durfee Conservatory and Gardens University of Massachusetts      | Food/drink   | Herbfest- celebrate herbs, spices, medicinal plants (student presentations and demonstrations) culmination of the college class on herbs, spices and medicinal plants; students make spiced cookies, savory dishes cooked with herbs, natural dyeing demos, |
| Minnesota Landscape Arboretum                                    | Food/drink   | afternoon tea, a 3-course tea in the Fireplace room with crumpets, \$20 per person  |
| Phipps Conservatory and botanical garden                         | Food/drink   | wine tasting party  |
| Royal Botanical Garden   | Food/drink   | Red-hot Sunday: celebrate chili pepper with food, facts, red-hot music, chili cook off  |
| Devonian Botanic Garden, Univ. of Alberta                        | Garden shows | Martagon lily show,   |
| Fullerton Arboretum  | Garden shows | Orange county cactus and succulent society show   |

Table 11. Events and Fundraisers

|   |                      |  |
|---|----------------------|--|
| Royal Botanical Garden                              | Garden shows         | Canadian Iris society show, Canadian Peony society show, , Ontario Lily society show, Canadian Iris society show, Chrysanthemum and dahlia Society show, Ikebana Japanese flower society show, |
| University of Tennessee Arboretum                   | Garden shows         | House and garden show booth  |
|   | Garden shows         | Nfld Orchid society show, Nfld horticultural society floral art show   |
| Dorothy Harvie Garden and Conservatory, Calgary Zoo | General events       | Bloomin' tuesdays- visitors have opportunities to ask questions about gardens  |
| W.J. Beal Botanical Garden, Michigan State          | General events       | not more than 100 people   |
| Rancho Santa Ana Botanic Garden                     | holiday              | holiday festival   |
| Dorothy Harvie Garden and Conservatory, Calgary Zoo | Holiday event        | Clubs and organizations can pay \$150 to decorate their own tree in the zoo/gardens and it is on display during the Wildlights winter festival at Christmas                                    |
| Dorothy Harvie Garden and Conservatory, Calgary Zoo | Holiday event        | Santa's breakfast- buffet breakfast in the conservatory, visits with santa, children \$16, adults \$24   |
| Santa Barbara Botanic Garden                        | holiday event        | Holiday nature craft family workshop: create ornaments, gift wrap and mre  |
| Minnesota Landscape Arboareturn                     | holiday event, music | arbor lights, winter holiday lights in garden, music events throughout the holiday   |
| Phipps Consevatory and botanical garden             | Holiday events       | Easter egg hunts, pumpkin carving at Halloweed happenings, chocolate festival; romantic evening in the conservatory for valentine's day  |
| Minnesota Landscape Arboareturn                     | lectures             | travel lecture by the director   |
| Royal Botanical Garden                              | Luncheons, etc       | Mother's day brunch,   |
| Desert Botanical Garden                             | Music                | Sunday concert series, concerts in the garden, , jazz in the garden,   |
| Phipps Consevatory and botanical garden             | Music                | Jazz in the garden, Salsa festival   |
| Quail Botanical Garden                              | Music                | summer concert series, \$20; includes light supper, dessert and cofffee (not allowed: do not bring food, chairs, blankets, coolers)  |
| University of California at Irvine                  | Music                | Music by the marsh   |

Table 11. Events and Fundraisers

|   |                 |   |
|---|-----------------|---|
| University of Nevada Reno                                       | national event  | arbor day celebration- campus tours, bonsai demonstrations, tree climbing demonstration   |
| University of California Davis                                  | Pets            | Dog fun day: with vet teaching hospital, games, prizes, bandana decorating, agility course, frisbee contest, photo contest, free treats |
| Connecticut college   | photography     | photo contest   |
| Devonian Botanic Garden, Univ. of Alberta                       | Picnic          | Faculty picnic (invitation only)  |
| Devonian Botanic Garden, Univ. of Alberta                       | Picnic          | Volunteer barbecue (invitation only)  |
| Durfee Conservatory and Gardens<br>University of Massachusettes | Picnics         | this is on campus, so there are locations provided for faculty, staff and student lunchtime gatherings                                  |
| Durfee Conservatory and Gardens<br>University of Massachusettes | Plant shows     | Bonsai exhibition   |
| University of California at Irvine                              | Plant shows     | Fall orchid festival and spring orchid show, spring bulb show, winter bulb festival   |
| Durfee Conservatory and Gardens<br>University of Massachusettes | Readings        | public readings of short stories and poetry   |
| Connecticut college   | Seasonal events | fall foliage walk   |
| Connecticut college   | Seasonal events | equinox walk at Gungywmp swamp  |
| Crosby Arboretum, Mississippi<br>Sstate University              | Seasonal events | Strawberries and cream- family day, canoeing, fishing nature tours  |
| Crosby Arboretum, Mississippi<br>Sstate University              | Seasonal events | Full Moon walk, story telling, campfires with marshmallows, tours under full moon \$3.00 ea, free to members                            |
| Crosby Arboretum, Mississippi<br>Sstate University              | Seasonal events | Paint a pumpkin , bring your own pumpkin, paint and glue provided, holiday crafts for kids, holiday art show                            |
| Desert Botanical Garden   | Seasonal events | cactus festival, day of the dead celebration, night of the luminaries, Teddy bear holiday tea, dinner on the desert fundraiser          |
| Devonian Botanic Garden, Univ. of Alberta                       | Seasonal events | Seedy Saturday in Feb- seed starting for kids, Luminaria  |

Table 11. Events and Fundraisers

|  |                 |  |
|--|-----------------|--|
| Dorothy Harvie Garden and Conservatory, Calgary Zoo          | Seasonal events | Bloomfest- annual spring garden show, workshops, lectures, tours, kids area  |
| Durfee Conservatory and Gardens University of Massachusettes | Seasonal events | Arbor day observance   |
| Fullerton Arboretum  | Seasonal events | Arborfest, Ugly Bug Fair and Fall Plant sale- 50 plant and craft exhibitors, apple pressing, butter making, hay wagon rides, crafts, foods, music and fun  |
| Minnesota Landscape Arboretum                                | Seasonal events | Thursdays in the garden- music, arts and crafts  |
| Minnesota Landscape Arboretum                                | Seasonal events | Japanese moon viewing, autumn moon event   |
| Minnesota Landscape Arboretum                                | Seasonal events | Fall festival- apple harvest, music, gift booths, etc  |
| Morton Arboretum   | Seasonal events | fall festival including: gift shop sales, used book sale, food concessions, balloons, nature printing, pumpkin painting, taffy apple rolling, cider making, pumpkin portraits  |
| Phipps Conservatory and botanical garden                     | Seasonal events | Spring flower show- seasonal for several weeks; tulips, hydrangeas, lilies, daffodils plus impressionist paintings and guest artists; fall flower show; winter flower show   |
| Rancho Santa Ana Botanic Garden                              | Seasonal events | Indian harvest festival  |
| Rancho Santa Ana Botanic Garden                              | Seasonal events | holiday brunch   |
| Royal Botanical Garden                                       | Seasonal events | one theme chosen and emphasized in all gardens; 2002 was color: color tours, educational programs on color, demonstration of color combinations, color tours, demonstrations of things like warm, cool, complimentary, contrasting colors, etc plus activities - painting in the garden , autumn color tours |
| Scott Arboretum of Swarthmore college                        | Seasonal events | Arborday activities, open house and plant give away for incoming freshmen, rooted cutting given to each graduate at the graduation ceremonies in spring, tours during senior week, alumni weekend and family weekend   |
| University of California Berkeley                            | Seasonal events | Quarterly bird walk, \$5, free for members, autumn colors in the mist  |
| University of California Davis                               | Seasonal events | Holiday wreath workshop  |

Table 11. Events and Fundraisers

|  |  |   |
|--|--|---|
| University of Tennessee Arboretum                            | Seasonal events                          | Arbor day observance, Arboretum walk/bird walk  |
|  | Seasonal events                          | Garden of Lights, entire garden draped with holiday lights, roast marshmallows, children's activities, Santa picture taking, hot cider and food \$5.00                                |
| Core Arboretum, West Virginia University                     | Spring special event                     | wildflower walks held for 3 weekends in April when the ephemerals are in bloom  |
| Devonian Botanic Garden, Univ. of Alberta                    | Summer special event                     | Saturday walks in alpine garden   |
| Desert Botanical Garden                                      | Sunday programs                          | music in the garden: local musicians  |
| Muttart Conservatory   | Sunday programs                          | make and take programs- wheat weaving, harvest centerpieces, leaf it be. Greeting card making, pumpkin carving  |
| Minnesota Landscape Arboretum                                | Walks/runs (recreation)                  | bud break 5K run/walk   |
| Royal Botanical Garden                                       | Walks/runs (recreation)                  | 4-day evening walk (traditional Dutch walk sponsored by the Netherlands board of tourism), Autumn colors run to raise money for trails, half marathon or 5K course through garden,    |
| Seiberling Naturealm   | Walks/runs (recreation)                  | Fall hiking spree- runs Sept thru Oct- must complete at least 8 designated trails; first year participants get a walking stick; veterans get a metal shield to attach to their sticks |
| Core Arboretum, West Virginia University                     | Weddings, receptions, private gatherings | weddings, memorial services, worship services, meetings at outdoor amphitheater   |
| Phipps Conservatory and botanical garden                     | Weddings, receptions, private gatherings | rented; 9700 people attended in 2002  |
| Durfee Conservatory and Gardens University of Massachusettes | Weddings, receptions, private parties    | weddings, readings, receptions, dance performances  |
| Phipps Conservatory and botanical garden                     | Weekend events                           | Tropical sundays- music, steel drums in the conservatory; bonsai weekend  |
| Schoenike Arboretum, Clemson University                      | Work day                                 | Arborist Service day- Sept- tree care professionals from 22 companies and organizations I SC, NC and GA, restoration of the arboretum   |
| Minnesota Landscape Arboretum                                | writing                                  | writers mini conference, nature writing workshop  |

Table 12. Internships

| Name   | Number | Duration    | Compensation        | Description   |
|--|--------|-------------|---------------------|---|
| Arnold Arboretum of Harvard University   | varies | 4mos        | salary              | Grounds maintenance, greenhouse/nursery, plant records attend classes in plant propagation, plant id, plant cultivation   |
| Chadwick Arboretum, Ohio State University  | 3+     | summer      | salary              | Mayhew Fellowships in arboriculture, landscape internships, rose garden scholarships  |
| Cornell Plantations - The Arboretum, Botanical Gardens and Natural Areas of Cornell University | 3      | 3 semesters | graduate stipend    | Master of professional studies in public garden management; 3-semester graduate program with internship required between 1st and 2nd semester; many aspects of public garden management |
| Devonian Botanic Garden, Univ. of Alberta  | 1      | year round  | stipend             | graduate stipend for research projects in the garden  |
| Hidden Lake Gardens Michigan State University  | 4      | 3-8 mos     | 6.50/hr             | Grounds maintenance   |
| J.C. Raulston Arboretum, North Carolina State University                                       |        |             |                     | master plan development, garden renovation, landscape maintenance, plant distribution, information transfer,  |
| Missouri Botanical Garden  | 4 to 6 | 12 weeks    | 6.00-6.50/hr        | Training rotates among: production greenhouse, conservatories, plant records, display gardens, specialty gardens  |
| Montana State University Gardens   |        |             |                     |   |
| Morris Arboretum of the University of Pennsylvania   | 8      | 1 yr        | 8.00/hr             | Arboriculture, education, herbarium/botany, horticulture, plant propagation, plant protection, urban forestry   |
| Mount Holyoke College Botanic Garden   | 3      | 21 weks     | 8.25/hr             | Grounds maintenance, greenhouse and conservatory assistant, mapping and curatorial assistant  |
| North Carolina Botanical Garden (U of North Carolina)  | 4      | 3-9 mos     | 8.21/hr             | Garden collections management, native plant propagation, herb garden, education outreach, native habitat gardens, plant records, tour guide/public education                            |
| Oklahoma Botanical Garden and Arboretum, Oklahoma State University                             | 1      | summer      | doe                 | display garden maintenance, tour guide, supervising volunteers, assisting with videotaping of Oklhoma Gardening   |
| Orland E. White Arboretum at Blandy Experimental Farm  | 1      | summer      | 2800-3000 + housing | horticulture, arboriculture, collections assistant or education; supports 10-15 ecology research students   |



Table 12. Internships

|  |        |                       |                                      |  |
|--|--------|-----------------------|--------------------------------------|--|
| Red Butte Garden and Arboretum, University of Utah                     | 3-Feb  | summer                | 7.00/hr                              | grounds maintenance  |
| Rutgers Gardens  | 10-Apr | summer                | doe                                  | public horticulture, grounds maintenance, landscape design, landscape construction, greenhouse management, propagation, taxonomy, plant records, public education              |
| Scott Arboretum at Swarthmore College                                  | 3+     | year round            | stipend                              | 1 summer intern, 1 year-long curatorial intern, independent studies and special projects   |
| State Botanical Garden of Georgia                                      | 1      | 12wks                 | 7.00/hr                              | horticulture   |
| University of Delaware   | 3      | 2 summer 1 year round | salary                               | proceeds from plant sale supports these internships  |
| University of Delaware Botanic Gardens                                 | 1      | 1 yr or summer        | 18,000+tuition or 9.00/hr for summer | 1 position is a year long non-degree graduate program that assists in grounds maintenance, collections management, and other duties; 2 are summer internshils in horticulture  |
| University of Delaware- Longwood Gardens                               | 5      | 2yr                   | \$18,000/yr plus tuition             | Formal graduate program in botanical garden management, plant collections management, etc.   |
| University of Nebraska-Lincoln, Lincoln Botanical Garden and Arboretum | 1      | 12 wks                | 7.50/hr                              | landscape planning, maintenance, propagation, education, record keeping  |
| University of Tennessee Arboretum                                      | 2      | summer                |                                      | plant inventory, grounds maintenance   |
| University of Vermont Hort Farm  | 6+     | summer                | some salary some volunteer           | Common Ground Student-run CSA (community supported agriculture) community garden. Students grow the garden and sell produce both on contract basis as well as a roadside stand |
| Washington Park Arboretum  | 3      | 8-10 wks              | 6-8.00/hr                            | education assistance, outreach, adult education classes, public relations, curatorial internship   |
| Wellesley College  | 1      | summer                | 350.00/wk                            | collections management, greenhouse management  |
| William F. Curtis Arboretum and Sculpture Garden, Cedar Crest College  | 1      | summer                | 6.50/hr                              | arboretum maintenance, planting, accessions  |

Table 13. Rules

| Garden                                     | Type              | Rules  |
|--|-------------------|--|
| Seiberling Naturealm                       | advertising       | commercial enterprises prohibited, signs or advertising not permitted  |
| University of Puerto Rico                  | alcohol           | prohibited   |
| Connecticut College Arboretum              | alcohol           | prohibited   |
| Morton arboretum                           | alcohol           | prohibited   |
| Reiman garden, Iowa state University       | alcohol           | by arrangement for special events only   |
| Santa Barbara Botanic Garden               | alcohol           | no alcohol   |
| Seiberling Naturealm                       | alcohol           | none allowed   |
| Arizona-Sonora Desert Museum               | animals           | do not feed  |
| W.J. Beal Botanical Garden, Michigan State | Benches, tents    | tables, chairs, tents, benches, special structures not permitted   |
| Morton arboretum                           | bicycles          | none allowed   |
| Santa Barbara Botanic Garden               | bicycles          | no bikes on the trails   |
| Rancho Santa Ana Botanic Garden            | bikes             | none allowed   |
| Connecticut College Arboretum              | camping           | prohibited   |
| Seiberling Naturealm                       | camping           | prohibited   |
| Reiman garden, Iowa state University       | children          | a parent or guardian must accompany all children; groups must be chaperoned in a ratio of 1 adult for each 20 children; the names and phone numbers of all chaperones must be submitted to the garden 2 weeks before the event, if additional security guards are needed to uphold the garden's policies, the renter will pay added expenses |
| Frank Waugh Arboretum, U of Massachusetts  | classes, research | see web site for rules regarding use of arboretum for classes, research plus permission forms  |
| Santa Barbara Botanic Garden               | dogs              | keep on leash, pick up after your pets, mutt mits provided   |
| Arnold Arboretum                           | event closures    | garden cannot be closed for events   |

Table 13. Rules

|  |                          |  |
|--|--------------------------|--|
| Seiberling Naturealm   | firearms, fireworks      | prohibited   |
| Arnold Arboretum   | fires                    | prohibited   |
| Blue Ridge Community College Arboretum                               | fires                    | none allowed   |
| Connecticut College Arboretum  | fires                    | prohibited   |
| Seiberling Naturealm   | fires                    | in grills only   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | fires                    | prohibited   |
| Arnold Arboretum   | Food                     | prohibited   |
| Reiman garden, Iowa state University                                 | food                     | no food allowed except at restaurants  |
| W.J. Beal Botanical Garden, Michigan State                           | Food                     | no food in the garden  |
| Arnold Arboretum   | furniture (for weddings) | prohibited   |
| Blue Ridge Community College Arboretum                               | hazards                  | be aware of natural hazards: poison ivy, snakes, stinging insects, uneven ground |
| Seiberling Naturealm   | horses                   | bridle path only   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | hunting                  | no hunting, trapping, disturbing animals in natural habitat                      |
| Seiberling Naturealm   | hunting, trapping        | prohibited   |
| Blue Ridge Community College Arboretum                               | kids                     | must be supervised   |
| Memorial University Botanical Garden                                 | kids                     | kids under 10 must be accompanied by adult                                       |
| Blue Ridge Community College Arboretum                               | labels                   | do not remove labels, tags markers   |
| Morton arboretum   | motorcycles              | none allowed   |
| Connecticut College Arboretum  | mountain biking          | prohibited   |
| University of Puerto Rico  | music                    | loud dance music prohibited  |
| W.J. Beal Botanical Garden, Michigan State                           | Music                    | loud music or sound equipment is notpermitted                                    |

Table 13. Rules

|  |                  |   |
|--|------------------|---|
| Morton arboretum   | noise            | no excessive noise  |
| Blue Ridge Community College Arboretum                               | noisy activities | prohibited  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | noisy activities | prohibited  |
| Morton arboretum   | parking          | no parking along roads  |
| Arizona-Sonora Desert Museum   | pets             | no pets allowed   |
| Arnold Arboretum   | pets             | dogs must be on leash, owners must remove waste   |
| Blue Ridge Community College Arboretum                               | pets             | none allowed  |
| Memorial University Botanical Garden                                 | pets             | none allowed  |
| Morton arboretum   | pets             | none allowed  |
| Quail botanical garden   | pets             | keep your pets at home  |
| Rancho Santa Ana Botanic Garden                                      | pets             | none allowed  |
| Seiberling Naturealm   | pets             | on trails only, constrained by leash not more than 8 ft long  |
| University of Tennessee Arboretum                                    | pets             | no pets allowed   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | pets             | no pets allowed   |
| W.J. Beal Botanical Garden, Michigan State                           | pets             | pets prohibited   |
| Rancho Santa Ana Botanic Garden                                      | photos           | take only photographs and memories; commercial use of garden for photography is permitted with prior permission |
| Arnold Arboretum   | picnics          | prohibited  |
| Blue Ridge Community College Arboretum                               | picnics          | none allowed  |
| Memorial University Botanical Garden                                 | picnics          | none allowed  |
| Morton arboretum   | picnics          | none allowed  |
| Rancho Santa Ana Botanic Garden                                      | picnics          | none allowed  |

**Table 13. Rules**

|  |                 |  |
|--|-----------------|--|
| Santa Barbara Botanic Garden   | picnics         | only at designated areas   |
| University of Tennessee Arboretum                                    | picnics         | none allowed   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | picnics         | prohibited   |
| Arnold Arboretum   | plant materials | removing or destroying plant materials prohibited  |
| Arnold Arboretum   | plant materials | no climbing trees  |
| Blue Ridge Community College Arboretum                               | plant materials | do not remove or damage natural materials, no tree climbing  |
| Morton arboretum   | plant materials | no collecting  |
| Quail botanical garden   | plant materials | resist the temptation to touch or pick up plant materials  |
| Rancho Santa Ana Botanic Garden                                      | plant materials | no collecting of any materials, do not introduce any plants, animals seeds into garden   |
| Reiman garden, Iowa state University                                 | plant materials | flowers and foliage may not be picked or rearranged for any purpose, no photo equipment or equipment is allowed in water features, flower beds, off the artwork or other structures; clothing, backdrops or props may not be hung on any plants or trees |
| Santa Barbara Botanic Garden   | plant materials | don't pick, no climbing trees  |
| Seiberling Naturealm   | plant materials | no picking   |
| University of Tennessee Arboretum                                    | plant materials | no collecting of any materials   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | plant materials | do not remove or damage natural materials  |
| W.J. Beal Botanical Garden, Michigan State                           | plant materials | do not disturb plants or plant parts, plant labels or any other garden elements; collections possible by permit only; see web site for permit form; removal of plant material from campus plantings can result in arrest by campus police if no permit   |
| Rancho Santa Ana Botanic Garden                                      | recreation      | no rec vehicles allowed  |
| University of Wisconsin Arboretum and Center for Restoration Ecology | recreation      | run and ski only on designated routes  |

**Table 13. Rules**

|  |             |  |
|--|-------------|--|
| Arizona-Sonora Desert Museum   | smoking     | only in designated areas   |
| Blue Ridge Community College Arboretum                               | smoking     | prohibited   |
| Quail botanical garden   | smoking     | no smoking   |
| Santa Barbara Botanic Garden   | smoking     | no smoking because of high fire danger   |
| Morton arboretum   | snowmobiles | none allowed   |
| Connecticut College Arboretum  | sports      | no organized sports  |
| Morton arboretum   | sports      | prohibited   |
| Rancho Santa Ana Botanic Garden                                      | trails      | stay on paths  |
| Santa Barbara Botanic Garden   | trails      | stay on, use bridges to cross creeks, , no climbing on rocks or walking in creek   |
| Morton arboretum   | trash       | no littering   |
| Rancho Santa Ana Botanic Garden                                      | trash       | deposit litter in cans   |
| Santa Barbara Botanic Garden   | trash       | use recycling bins   |
| Arnold Arboretum   | vehicles    | not allowed except with special permit   |
| Reiman garden, Iowa state University                                 | vehicles    | all wheeled toys such as bicycles, rollerblades and scooters are not allowed as well as all motorized toys and equipment   |
| University of Wisconsin Arboretum and Center for Restoration Ecology | vehicles    | cars and bikes on paved roads only; in line skates, rollerskates, rollerskis prohibited  |
| W.J. Beal Botanical Garden, Michigan State                           | vehicles    | bicycles prohibited  |
| Quail botanical garden   | walking     | keep to paths and lawn areas   |
| University of Tennessee Arboretum                                    | walking     | walking only on public access trails. Persons with disabilities may obtain permission to drive on maintenance; stay on designated areas; observe all posted signs; |
| University of Wisconsin Arboretum and Center for Restoration Ecology | walking     | keep to trails, fire lanes, roadways, lawn areas   |

**SABBATICAL LEAVE REPORT FORM**  
(To be completed within three months after returning from leave)

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|                       |                       |             |              |         |
|-----------------------|-----------------------|-------------|--------------|---------|
| 3. Funding source(s): | UAF sabbatical salary | \$15,698.52 | _____ months | 4 _____ |
| Other (specify):      | _____                 | \$ _____    | months _____ |         |
|                       | _____                 | \$ _____    | months _____ |         |
|                       | _____                 | \$ _____    | months _____ |         |

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*Faculty Signature*

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*Date*

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*Department Head Signature*

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*Date*

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*Dean/Director Signature*

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*Date*

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*Provost Signature*

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*Date*