2010 Calendar

Wednesday, May 19, 2010. Birmingham, Alabama

Birmingham Fern Society Annual Fern Lecture
Annual lecture on May 19, 2010 at 6:30 pm in the Garden Center, The Birmingham Botanical Gardens, 2612 Lane Park Road, Birmingham, AL  Speaker: Dr. Patricia B. Cox  Topic: Ferns of the Great Smoky Mountains National Park, with comments on rare ferns of Alabama. Event is free and the public is invited.

Saturday-Sunday, July 10-11, 2010. Louisville, Kentucky

Fern Fest II
Saturday Lecture by Judith Jones, Woodland Garden Reception & Open House, Fern Workshop by J. Jones. Sunday Bus Tour, Bernheim Forest, Yew Dell. Info: Ralph Archer, <ralpharcher@insightbb.com>.

Saturday-Wednesday, July 31- August 4, 2010. Providence, Rhode Island

Botany 2010, Botanical Socitey of America Annual Conference

Botany 2010 - AFS Field Trip - Saturday, July 31, 2010.
Blue Hill and Horn Pond Mountain - 8:00 AM - 5:00 PM
Continental Breakfast & Box Lunch included - $55.00
Organized by Don Lubin and Ray Abair (from BSA website)
Both sites are located in the deciduous forests of eastern Massachusetts. The Blue Hills are home to around 48 ferns and fern allies. The first site will showcase Thelypteris simulata (in the area where it was discovered), Woodwardia areolata, perhaps Woodwardia virginica, several Dryopteris hybrids, and quite a few common eastern species. The second site offers Botrychium dissectum and hopefully B. oneidense and B. virginianum, Phegopteris connectilis and P. hexagonoptera, and Deparia acrostichoides. Horn Pond Mountain harbors around 26 pteridophyte taxa and has less acidic soils. We should see Woodsia obtusa and W. ilvensis, Asplenium platyneuron and A. trichomanes, probably Cystopteris tenuis, and possibly Selaginella rupestris.

The Blue Hill section will not involve significant climbing. Horn Pond Mountain is just a hill, but we will have to walk up most of it. Boots would be helpful but not necessary. There will be insects and some poison ivy. Bring a hand lens. Box lunches will be provided.
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The Editors of FIDDLEHEAD FORUM welcome contributions from members and friends, including miscellaneous notes, and reviews of books on ferns. Articles may be submitted electronically on disk (PC compatible) or typed (using a simple font like Helvetica in a minimum of a 12pt font.) Regular membership in the American Fern Society is on a calendar-year basis and includes access to field trips and the spore exchange. Regular members receive Fiddlehead Forum, but not the American Fern Journal, for $12 (+$3 expedited delivery fee, except U.S.A., Canada, and Mexico) Individuals interested in regular or journal membership should contact the membership secretary.

AFS HOME PAGE
http://www.amerfernsoc.org

Sunday- Saturday, August 22-28, 1010, Humboldt Field Research Institute, Steuben, Maine

Taxonomy and Biology of Ferns and Lycophytes
Drs. Robbin Moran (New York Botanical Garden) and Carl Taylor (National Science Foundation) will teach this course about the identification, phylogeny, and ecology of ferns and lycophytes. Morning lectures will review the major families and place these in a phylogenetic context. The afternoon field trips will emphasize identification and ecology of local genera and species. The course will visit several habitat types along and near the eastern Maine coast to see as many species as possible. Herbarium specimens of northeastern species not found locally will be available for study. Besides identification, we will discuss the distinctive biology of ferns and lycophytes, such as their life cycle, hybridization, polyploidy, unusual adaptations (iridescent ferns, ant ferns, apogamy), biogeography, and uses of ferns by people. Carl Taylor will give several lectures on the biology and identification of quillworts (Isoëtes), a group in which he is a world expert. For more information, visit http://www.eaglehill.us/ or call the Eagle Hill office at 207-546-2821.

September 13-23, 2010
Ferns of Hawaii with Alan Smith
Please join the Jepson Herbarium Workshop Program and Alan Smith to explore the extraordinary diversity of ferns and lycophytes on the Hawaiian Archipelago.

The class will spend five days on Kauai, mostly in and around Kokee State Park, botanizing along trails such as the Pihea trail to Pihea Vista, Kalalau Lookout, the road between the lookout and the forest, Sugi State-...
Grove, Awa’awapuhi trail, Nualolo trail, and Kaluapuhi trail. In general, we will stay on the trails, but occasionally we will take brief forays into the forest. Day hikes will be less than ca. 4 mi., round trip, sometimes with a bit up and down. Other stops on Kauai will include the Kilauea Lighthouse area and the Pacific Tropical Botanical Garden, which grows many native and tropical ferns. After that we will go to the big Island of Hawaii, seeking out the ferns in and around Volcanoes National Park (Thurston Lava tube area, Kilauea Iki trail, and Kipuka Puaulu loop trail on the road to Mauna Loa). Other educational and pleasure stops will include the Jaggar Museum in Volcanoes NP, Akaka Falls State Park, Kalapana for night-time lava flow displays, and a macadamia nut farm and processing plant, south of Hilo.

The group leader, Dr. Alan Smith, is a Research Botanist, Emeritus and Curator of Ferns at the University of California Herbarium. He is an authority on tropical ferns and fern allies and has worked extensively in the New World Tropics. His research includes monographic work on several large families of neotropical ferns, floristic work on pteridophytes in several Latin American countries (especially Mexico, Venezuela, and Bolivia), and work on the systematic relationships and biogeographic patterns exhibited by ferns. Alan has also led extended Jepson Workshops to New Zealand, Costa Rica and Ecuador.

For information about the workshop visit http://ucjeps.berkeley.edu/workshops/2010/index.html#Sep13
For registration details please visit http://ucjeps.berkeley.edu/workshops/2010/regform_2010.html
Contact: Heather Driscoll <hdriscoll@berkeley.edu>

1st Announcement
5th Symposium on Asian Pteridology and Garden Show, 15-21 November 2010
Shenzhen Fairylake Botanical Garden, CAS
Recent Advances in Pteridophyte Research: Opportunity and Challenge
submitted by Barbara Joe Hoshizaki

The Symposium on Asian Pteridology is an important forum for the exchanges of all kinds of ideas and new research findings made in the study of pteridophytes. Today, it has become a necessary and important gathering of botanists and post-graduate students who study the diversity, ecology, biogeography, evolution and conservation of pteridophytes from all Asian countries as well as regions outside Asia.

In 1990, the 1st Symposium on Asian Pteridology was held in Cibodas and Bogor of Indonesia. The 2nd and 3rd Symposia was held in Taipei (1992) and Kunming (1995) of China, respectively. After the successful convocation of the 4th Symposium in Central Mindanao University of the Philippines (2007), the fifth Symposium on Asian Pteridology and Garden Show will be held at Shenzhen Fairylake Botanical Garden (Guangdong, China) from 15 to 21 of November 2010. The theme of this symposium is “Recent Advances of Pteridophyte Research: Opportunity and Challenge”. The host country and the hosting institutions are pleased to have the privilege to organize the 5th Symposium on Asian Pteridology and Garden Show. Together with the Fern Committee of the China Flower
Association, the Shenzhen Fairylake Botanical Garden welcomes all to attend the symposium in November 2010.

Shenzhen is located in the south of Guangdong Province with Hong Kong to its south. It is a coastal city with beautiful scenery and also the first special economic zone in China. “The Phoenixes dwells in Wutong Mountain, and the fairies played in the pool of the Heaven”. Wutong Mountain is the highest peak in Shenzhen (alt. 944 m) with cloud and mist through the year, giving it a blurry and unreal appearance, densely wooded and with winding streams. It is among such a wonderful mountain that Shenzhen Fairylake Botanical Garden is located. Construction of the garden began 1983, and the garden opened to the public in 1988, covering an area of 587 hectares. The garden is one of the most popular destinations for visitors in Shenzhen. The missions of this garden include scientific research, education and tourism.

One of the priorities for the Fairylake Botanical Garden is the preservation of rare and threatened plants. There are about 6,500 species cultivated in this garden via various ex situ conservation centers/gardens. The major center gardens include International Ex Situ Conservation Center for Cycads, International Magnolia Garden, Rare & Endangered Trees Garden, Palm Garden, Bamboos Garden, Medicinal Plants Garden, Shady Plants Garden, Cacti & Succulents, Aquatic Plants Garden, Cryptogamic Garden, Gymnosperms Garden, and Bonsai Garden, etc. There are about 400 species which were successfully collected and are cultivated in the botanical garden.

**Objectives of the symposium**

To show the richness of the Asian pteridophytes
To disseminate research results on pteridophytes
To highlight the economic importance of ferns and its allies for future commercial ventures
To strengthen linkages/collaborations with researchers, hobbyists and commercial growers

**5th Symposium on Asian Pteridology and Garden Show**

The symposium is to take place at the Shenzhen Fairylake Botanical Garden (SZBG), Guangdong, China. It will be organized and hosted by Shenzhen Fairylake Botanical Garden and in coordination with the Fern Committee of China Flower Association.

**Organizing Committee:**

**Chairpersons:**
De-Yuan Hong, Institute of Botany, Chinese Academy of Sciences, Beijing, China
Xian-Chun Zhang, Institute of Botany, Chinese Academy of Sciences, Beijing, China

**Co-Chairpersons**
Yong Li, Shenzhen Fairylake Botanical Garden, Chinese Academy of Sciences, Shenzhen, China
Lei Shi, Institute of Botany, Chinese Academy of Sciences, Beijing, China

**Advisory Board (in alphabetical order)**
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Hans P. Nooteboom, Leiden University, Leiden, The Netherlands
Kung-Hsia Shing, Institute of Botany, Chinese Academy of Sciences, Beijing, China
Alan Smith, University of California, Berkeley, USA
Rong-Han Zhou, Chinese Pharmaceutical University, Nanjing, China
Shiew-Hung Wu, South China Botanical Garden, Chinese Academy of Sciences, Guangzhou, China
Su-Kung Wu, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, China
Members
Victor B. Amoroso, Central Mindanao University, Philippine; Elena Arnaoutova, Komarov Botanical Institute of the Russian Academy of Sciences, St. Petersburg, Russia; Xiao Chen, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, China; Wen-Liang Chou, Division of Biology, Taiwan Forestry Research Institute, Taipei, China; Dedy Darnaedi, Research Centre for Biology - LIPI, Cibinong Science Centre, Jl. Raya Jakarta - Bogor Km, Bogor, Indonesia; Zhen-Dong Fang, Shangrila Alpine Botanical Garden, Shangrila, China; Christopher R. Fraser-Jenkins, Kathmandu, Nepal; Barbara Joe Hoshizaki, Los Angeles, California, USA; Peter H. Hovenkamp, Leiden University, Leiden, The Netherlands; Masahiro Kato, National Science Museum, Tokyo, Japan; Surinder Pal Khullar, Punjab University, Chandigarh, India; Wen-Bo Liao, Sun Yet-sen University, Guangzhou, China; Bao-Dong Liu, Harbin Normal University, Harbin, China; Phan Ke Loc, Institute of Ecology and Biological Resources, Hanoi, Vietnam; Shu-Gang Lu, Yunnan University, Kunming, China; Harald Schneider, British Natural History Museum, London, UK; Byung-Yun Sun, Chonbuk National University, Chonju, Korea; Benito C. Tan, Singapore Botanic Garden, Singapore; Ronald Viane, Ghent University, Ghent, Belgium; Ting Wang, Wuhan Botanical Garden, Chinese Academy of Sciences, Wuhan, China; Quan-Xi Wang, Shanghai Normal University, Shanghai, China; Fu-Wu Xing, South China Botanical Garden, Chinese Academy of Sciences, Guangzhou, China; Li-Bing Zhang, Missouri Botanical Garden, St. Louis, USA; Shou-Zhou Zhang, Shenzhen Fairylake Botanical Garden, Chinese Academy of Sciences, Shenzhen, China

Organizing Institutions
Fern Committee of China Flower Association
Shenzhen Fairylake Botanical Garden, Chinese Academy of Sciences (SZBG-CAS)

Address and Website:
The 5th Symposium on Asian Pteridology and Garden Show Organizing Committee
Shenzhen Fairylake Botanical Garden
Fairylake Rd. 160, Luohu District, Shenzhen
Guangdong, China 518004
Fax: 0086 755 25732477
E-mail: 2010AFS@gmail.com

5th Symposium on Asian Pteridology and Garden Show detail
General Topics:
Session 1: Taxonomy, Biosystematics and flora
Session 2: Phylogeny, Evolution and Genome
Session 3: Gametophyte Development and Culture Propagation
Session 4: Phytochemistry and Pharmaceutical Botany
Session 5: Biodiversity, Conservation and roles of Botanical Gardens in Plant Research and Conservation

General Programme:
Day 1: 15 November (Monday): Registration, Sightseeing tours of Shenzhen Fairylake Botanical Garden, and welcome dinner
Day 2: 16 November (Tuesday): opening ceremony, keynote speech; poster session
Day 3: 17 November (Wednesday): Plenary session, closing ceremony and dinner.
Day 4-6: 18-20 November (Thursday-Saturday): Post Conference Field Trip
Day 7: 21 November (Sunday) Post Conference Field Trip and Departure

Call for oral presentations and posters
The organizers invite all participants to submit oral or posters related to pteridophytes. Abstract should be submitted to 2010afs@gmail.com on or before 30 August 2010. The abstracts must not exceed 2000 characters including spaces or a maximum of 350 words. Posters should be displayed on 15 November 2010 at the International Hall of Shenzhen Fairylake Botanical Garden
Address for registration and abstract submission
http://www.szbg.org/2010afs/en/6.html or e-mail: 2010afs@gmail.com

Manuscripts and Abstracts: The proceedings will be published in Journal of Fairylake Botanical Garden
Language: The official language for the symposium is English
Guidelines for Oral & Poster Presentations: please check the website

Symposium Garden show
Throughout the symposium, ferns and/or with other plants will be featured in a garden show at the Fairylake Botanical Garden. Some cultured ferns will be exhibited during the garden show. Delegates are invited to participate in the garden show by entering either an individual or a group exhibit.

Post Conference Excursions
There will be post conference excursions from the 18–21 November, 2010 to the following destinations.

(1) Mt. Wutong. One Day. The mountain is behind the Fairylake Botanical Garden. It will take one day on 18th November. The summit of Mt. Wutong is 914 meters above sea level. Mt. Wutong is the home of about 162 species of pteridophytes.

(2) Nankunshan Provincial Nature Reserve. Four Days. Mt. Nankunshan is a national nature reserve, located in Longmen County with many natural scenic spots, such as waterfalls, springs, mountain streams and caves. Covering a land area of 180,000 hectares, it is a green paradise for wild animals and rare plants.

Financial Support: The Shenzhen Fairylake Botanical Garden has limited funds to support young scientists as well as post-graduate students from less developed countries. Please contact the Organizing Committee for further information.

Passport & Visas: A valid passport is required for travel to China. Please contact the Embassy or Consulate of China in your respective country for more details.

Personal Invitation: If you require an Official Letter of Invitation, please contact the Organizing Committee. This letter does not represent a commitment of organizers to provide financial support.

General Inquiries
Dr. Xian-Chun Zhang, Curator of Ferns, The National Herbarium (PE), Institute of Botany, Chinese Academy of Sciences, Beijing E-mail: zhangxc@ibcas.ac.cn Tel: (86)-010-62836291 Fax: (86)-010-62590843

Registration, fees and accommodation: please check the website

Deadlines:
Application for financial support: July 30, 2010
Abstract Submission: August 30, 2010
Manuscript Submission for the proceedings: October 15, 2010
The location of the Shenzhen Fairylake Botanical Garden

The Shenzhen Fairylake Botanical Garden is in the Luohu District of Shenzhen that has a clearly visible landmark, the Wutong Mountain, the highest peak of the City. It is about 40 kilometers away from Shenzhen International Airport, a bus ride of 1 hour. It is about 20 kilometers away from Shenzhen Railway Station, a bus ride of 30 minutes. If the participant arrives at Hong Kong International Airport, you can take a bus from Hong Kong Airport to Shenzhen directly.

Teachers: If you have taught children about ferns, please drop me a note. Tom Stuart, tstuart@westnet.com. I have a request for AFS help in putting together a program for children from the Los Angeles County Arboretum.

*Pleopeltis polypodioides* - Resurrection Fern

This fern is usually growing on tree bark in Huntsville, TX. I have also seen it growing on a cement drainage wall only inches from the ground at the Center for Biological Field Studies, Sam Houston State Univ., Huntsville, TX. It was also seen growing on an asphalt-shingled roof in Huntsville.

*by Joan Nester-Hudson*
New Celebrating Ferns Poster
submitted by: Mary Stensvold, Regional Botanist, Alaska Region
USDA Forest Service

In connection with the Celebrating Wildflowers initiative the Forest Service recently completed a magnificent “Celebrating Ferns” poster. The artist Steve Buchanan, a noted scientific illustrator, painted beautiful renderings of the ferns. Twelve ferns are included on the poster, they are: American climbing fern, Christmas fern, cinnamon fern, common moonwort fern, deer fern, hairy water-clover fern, interrupted fern, northern beech fern, northern maidenhair fern, ostrich fern, resurrection fern and walking fern.

A PDF version (14.3 MB) of the poster is available for download from the Celebrating Wildflowers website at: http://www.fs.fed.us/wildflowers/features/posters.shtml#ferns You can print a full sized Celebrating Ferns poster from the PDF at office supply stores. The intent of this poster is to encourage people to experience the world of ferns and delight in their beauty and variety.