The meeting this month will be Sunday August 11th at 2:00 at the Denver Botanic Gardens in Gates Hall.

A change of plans for the August meeting, Anita Nelson will not be coming to Denver to speak to us. We have enlisted one of our own to speak on KOI and water gardening as he does it in his own yard. He is the President of the Rocky Mountain KOI Club and has been president of CWGS. If you have not guessed by now it is your newsletter editor.

I plan on talking to you on raising KOI through the seasons and how the water garden helps to maintain fish health. I will talk about my filter systems and how they work. There are some tricks to the trade and you will learn the ones I know. I plan to talk for a short while then show a few slides. Bring you questions and I will try to answer them. This will be a session where you may ask the questions you always wanted to ask, but the speaker is too important to ask that question. Wells you know if you have a question just ask it at this meeting.

The Rocky Mountain KOI Club KOI Show will be held at Ocean Journey on August 17th and 18th.

The show is free, but there is a fee to park at Ocean Journey. The show will be located in the Special Events Tent across from the main box office or the aquarium. We plan on at least 20 show tanks with large and small KOI on display. The show will be held on Saturday the 17th from 10:00AM until 5:00PM with the judging of members fish starting at 10:00 AM. On Sunday the 18th the show will be open from 10:00AM until 3:00PM with the judging of vender fish starting at 10:00AM.

Come get involved and select your favorite fish so it can receive the "Peoples Choice" award. There will be venders selling both KOI and Goldfish and other fish related items. The club is planning on having a question and answer booth to help you with your fishie questions.

If you are interested, CWGS is going to install a water garden feature at the show and we would like some help putting it together or removing it. If you can help with set-up on Friday morning August 16th or tear down on Sunday afternoon August 18th please call Bob Hoffman at 303-978-0124.
Officers and Committee Chairs for 2002

President
Cyndie Thomas 303 755-1885

Vice President
Stan Skinger 303 237-0071

Secretary
Bill Powell 303 355-8098

Treasurer
Mike Gibson 303 654-7578

Programs
Bo Lindsey 303 443-7877

Member-at-Large
“Moe” Belisle 303 744-0745
Zak Volleberg 303 374-9227

Committees:
Membership
NEEDED
Volunteer Coordinator
Damon Giannow 303 828-2929

Publicity
Nancy Styler 303 850-7150

Archivist
Mary Mirgon 303 922-9559

Speakers Bureau
Bob Hoffman 303 978-0124

DBG May Plant & Book Sale
Carla Littlefield 303 399-7946
Bob Hoffman 303 978-0124

CWGS June Plant Sale
Cyndie Thomas 303 755-1885
Stan Skinger 303 237-0071
Bob Hoffman 303 978-0124

July Pond Tour & Picnic
Craig Russell 303 443-7877

Newsletter Editor
Bob Hoffman 303 978-0124

Water gardeners should err on the side of caution. The current heat, combined with the drought and watering restrictions, has increased visitors to our ponds. Birds are not finding puddles to bathe in as they normally would with everyone conserving water. Mice are also seeking out water to meet their needs, as are wasps and numerous other animals and insects.

Pondkeepers should use more precautions to eliminate exposure to diseases that may be brought to your pond. Gardeners are aware that many diseases can be transferred through soil and water. Thorough hand washing should be exercised after any contact with your pond water. Keep hands away from your mouth and nose while working.

Another concern is mosquitoes. The West Nile Virus is moving westward and is transmitted through the bite of the mosquito. Mosquitoes lay their eggs in standing water, which can be a pond, pot, tire, or anything, that holds water. Fish will eat mosquito larvae, unless they are too well fed. In container gardens that do not have fish, a product called Mosquito Dunks is effective in controlling larvae. If you are near natural bodies of water and are experiencing problems with mosquitoes, use of a repellent is suggested. Using any product is at the discretion of the individual. Of primary importance is reading label directions, precautions and following them to exactness. Using more of a product than recommended is not better.

Soon it may also be time to begin looking for a camouflage net. If water levels in natural lakes, ponds and streams continue to decrease, our well-maintained water gardens are going to seem to be an oasis to herons and other natural predators.

********************************************************************************

**POND EXPO**

Member and Vendor don’t forget our Water Gardening and Pond Expo, September 8, 2002 at DBG. If you are interested in participating please Contact Cyndie Thomas at 303 755-1885
More than 150 members enjoyed this year's tour, nearly 90 stayed for the picnic.

"Thank You" pond hosts and organizers. It couldn't have been such a success without you!

John and Mary Mirgon Denver

CWGS 2002 Picnic

Photos by Bob Campbell and Cyndie Thomas

The Water Garden
Building a Water Garden – Pond Construction by the Numbers

Step 1. Mark the pond location and make sure this is the spot you want.
Step 2. Locate your hardware (skimmer, filter, pump etc.).
Step 3. Lay out the plumbing between each piece of hardware.
Step 4. Connect the plumbing if possible at this time. (Bottom drain can’t be connected until the liner is installed).
Step 5. Dig out your pond. Remember you will need to get into your pond at sometime so build yourself some steps for easy access at this time. If you are building a KOI pond use a minimum of four feet depth. Water gardens at three feet to over winter your hardy lilies. Water gardens should have levels or shelves build in to support your marginals and lilies. Where your waterfall drops into your main pond allow the water to drop into your pond and not on a shelf. If you are installing a bottom drain, dig and install the plumbing at this time. At this time step back and make sure the pond is level and you know where the water will run out when it over flows.
Step 6. Install liner and underlayment. You can buy underlayment or use carpet padding or the carpet itself. There is good liner on the market and use it. Make sure it is a fish grade material so it is fish safe.
Step 7. Install skimmer to the liner.
Step 8. If you are going to use rock in the pond this is the time to add your rock.
Step 9. If you are using under water lighting install it at this time.
Step 10. Wash the stone and remove the dirty water.
Step 11. Fill pond with water and if your are planning to add fish soon check you water quality.
Step 12. Build waterfall and stream. To reduce the potential for leaks try to use one piece of liner for this effort. If you can’t use one piece allow for a good overlap to avoid leaks.
Step 13. If you are doing any other construction in conjunction with the pond now is the time. (i.e. grading, retaining walls etc.)
Step 14. Check out the waterfall for leaks. (remember this area will be the most likely place for leaks in the future).
Step 15. Trim the liner.
Step 16. If you have installed rocks add bacteria to start you filtration system.
Step 17. Install plants and fish. This process should wait until the water temperature is air temperature, and the water is fish safe.

I would like to thank Aquascape designs for their step method, which I modified just a bit.

2002 Parade of Ponds Presented by BR&D Landscape, Inc.

Denver’s Premier Water Garden Tour
August 24-25, 2002
Saturday 9am-5pm
Sunday 11am-5pm
Get your tickets at True Pump, Arapahoe Acres, DBG Gift Shop, Hudson Gardens
Tickets are $10.00 per person with children under 15 years of age free.
Financials for the June sale and Picnic.

June Sale:
Total Deposit $12,149.00
Cost of goods/Services $(6,344.90)
Sales Tax $(339.18)
DBG Tariff $(568.00)
Net Revenue $4,896.92

Picnic:
Deposit $602.50
Bennett’s $(250.00)
Chicken $(70.97)
Cashbox $(100.00)
Cyndie $(211.30) This included Snacks, PortaPotty, and Door Prizes
Total $(29.77)

Welcome New Members and Thank You For Your Support:

Sanchia Andrews  Mike and Rachel Angere  Marlene Bainbridge
Jim Banman  Robert and Kathryn Beebe  Diana Bevis
Patricia Birt  Tom and Isabel Bott  Melanie Butler
Kathy Childs  Anne Clark  Rory Deignan
Kimberly Cleveland  Patti Cochran  Paula Cowan
Carl and Jill Crookham  Becky Donlan  Don and Sue Eloc
Sandy Evans  Ericka Ezell  Laurel Farrell
Betty Gray  Brian and Joan Greelman  Karin Heine
Jonathan and April Hough  Chuck Hunt  Scott Klingensmith
Linda Krueger  Beau and Caprice Lindsey  Janis Lowry
Derek and Carol McCracken  Jeff and Lois McInerz  John, Carolyn and Ted McMillan
Robert and Elaine Menter  David Meyer  Erin Mathiasan
Dave and Karen Miley  Catherine Montini  Larry and Mary Kay Mueller
Michael and Judy Murphy  Scott and Cyd Norris  Vanessa Parkins
Edward Dick  Dave and Jill Pepper  Kirk Rogers
Andrea Sahlen  Dan Fyles  Jack and Ginger Sawatzki
Savoeun, Chem, Alice, Lyle and Steven Ruppert
Linda Schaeffer  Joseph and Melissa Shopnitz  Sylvia Simpson
Richard Gonzalez  Micaela Thomas  Thomas Urich
Zak Volleberg  Amanda Osborne  Erik and Theresa Wood
Elizabeth Wright  Jerry and Allyson Zoellner