Dragonflies by John Crowley
First Place in our September Photo Challenge
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Room for Much More!

Please Join Us!

Our next meeting is Thursday, **October 5th**, 6:30PM to 9:00PM, in the Community Room of the Urban Ecology Center, at 1500 East Park Place in Milwaukee.

Urban Ecology Center Photo Club
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Multiple Exposures, the official newsletter of the Urban Ecology Center Photo Club, is published twelve times a year, and is included in the club membership dues.

The Urban Ecology Center Photo Club is a member club of the Wisconsin Association of Camera Clubs (WACCO) and the Photographic Society of America (PSA).

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Photo Challenge: Around the Urban Ecology Center

Drying Gloves by Steve Jarvis was our second place winner.

Diane Rychlinski’s image was our third place winner.
Photo Challenge: Around the Urban Ecology Center

Bugs on Milkweed by Carl Wagner.

Balance by Ian Dickmann.
Photo Challenge: Around the Urban Ecology Center

by Diana Duffey
Photo Challenge: Around the Urban Ecology Center

Lily Pads! by Steve Morse

by Peter Chow
Photo Challenge: Around the Urban Ecology Center

by Marci Konopa

by Ted Tousman
Photo Challenge: Around the Urban Ecology Center

by Kathy Smith

Falling by Gary Peel.
The Strange Numbers for Apertures

It seems at first glance, an odd sort of combination of numbers, $f_1$, $f_{1.4}$, $f_2$, $f_{2.8}$, $f_4$, $f_{5.6}$ and so on, perhaps the sort of sequence you might see in a Mensa test. In fact the numbers are actually a logical sequence, opening an aperture by one stop, increases the amount of light reaching the sensor (or film) by a factor of two. The $f$ stop numbers on your aperture ring run in a sequence based on the powers of the square root of two. So if $f_1$ is the maximum aperture possible, the next in sequence is $f_1$ multiplied by the square root of 2 to the power of one, which equals $f_{1.4}$. The next is created from the square root of 2 to the power of 2, which is $f_2$ and so on. All of which add up to give us this strange but instantly recognizable sequence.