

Shoot Through And Blur and Flash

Jim and Betsy Wilson
Chester County Camera Club, October 13, 2021

Upcoming Competitions:

Shoot Thru - assigned competition theme for February

Blur and Flash - assigned competition theme for May

Shoot Through

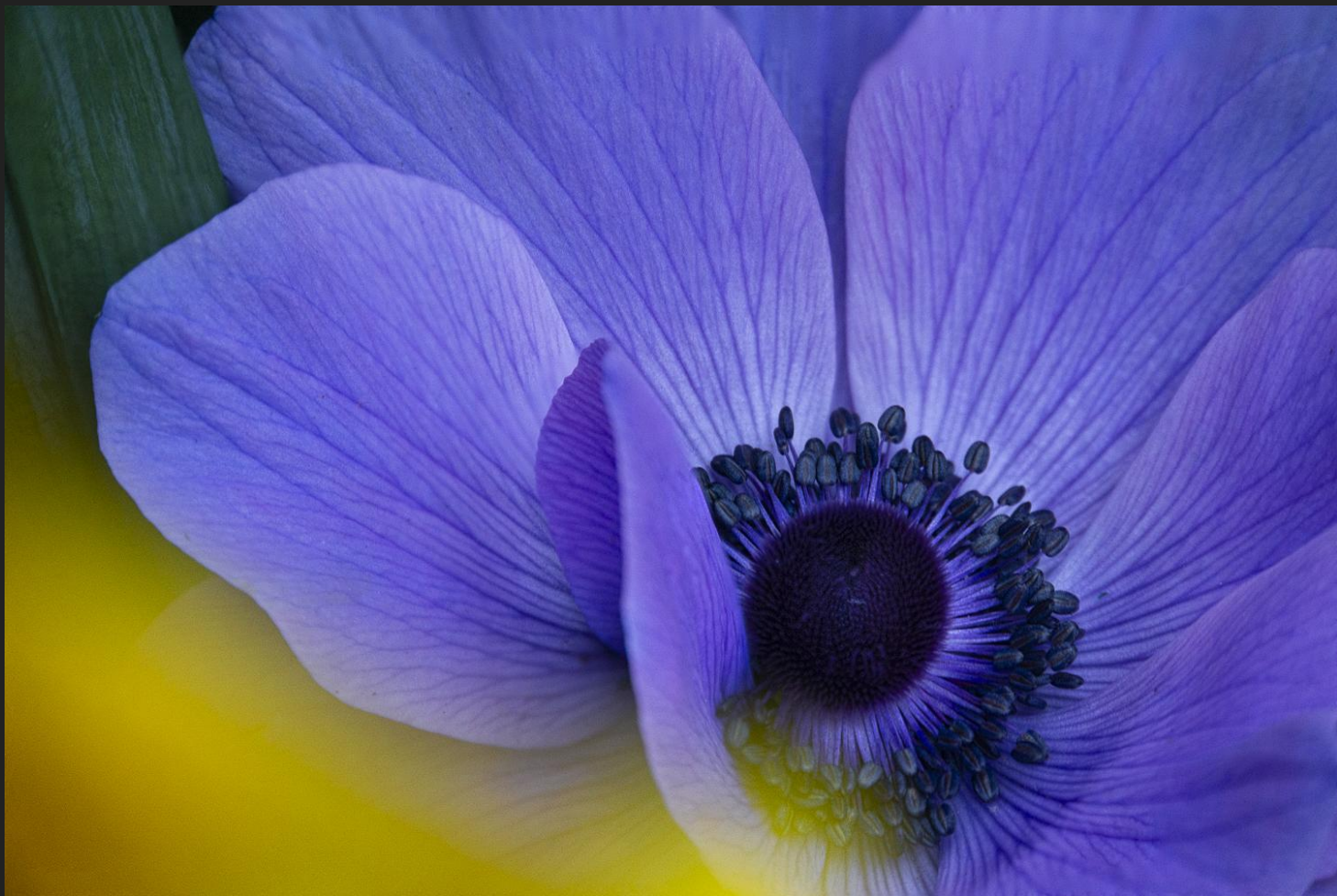
“Shoot through” can refer **your subject being partially occluded by an intervening out-of-focus element that creates a diaphanous foreground element for your subject.**

It can also refer to shooting through a transparent or semi-transparent foreground element to your subject: if the object is flat it may merge a reflected image into your shot, or if not flat, may distort your subject.

Out-of-focus foreground partially occluding subject

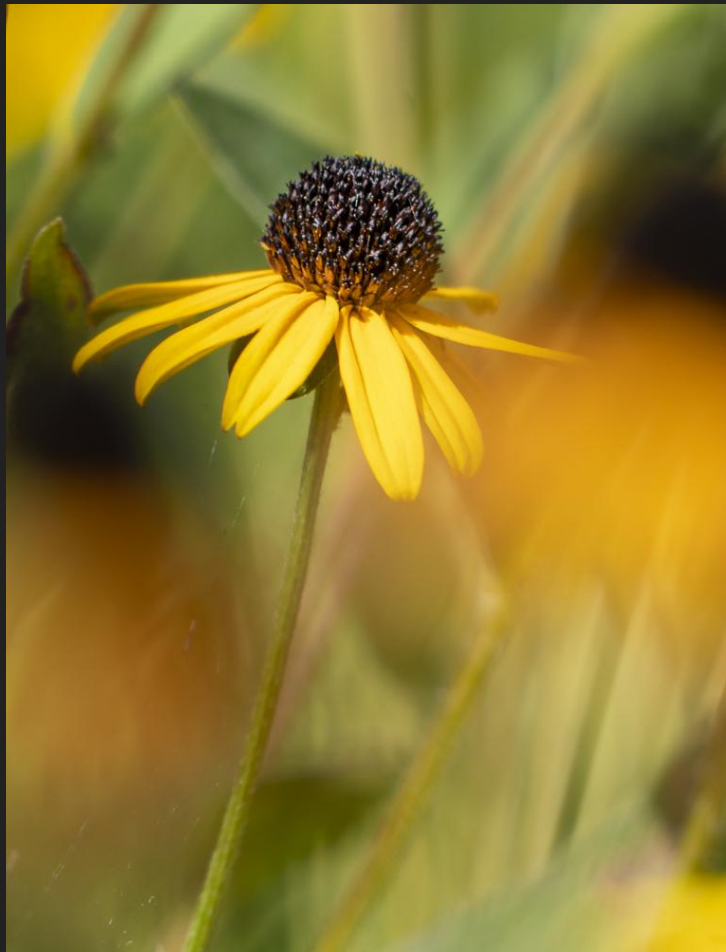


It has a gauzy, translucent foreground.













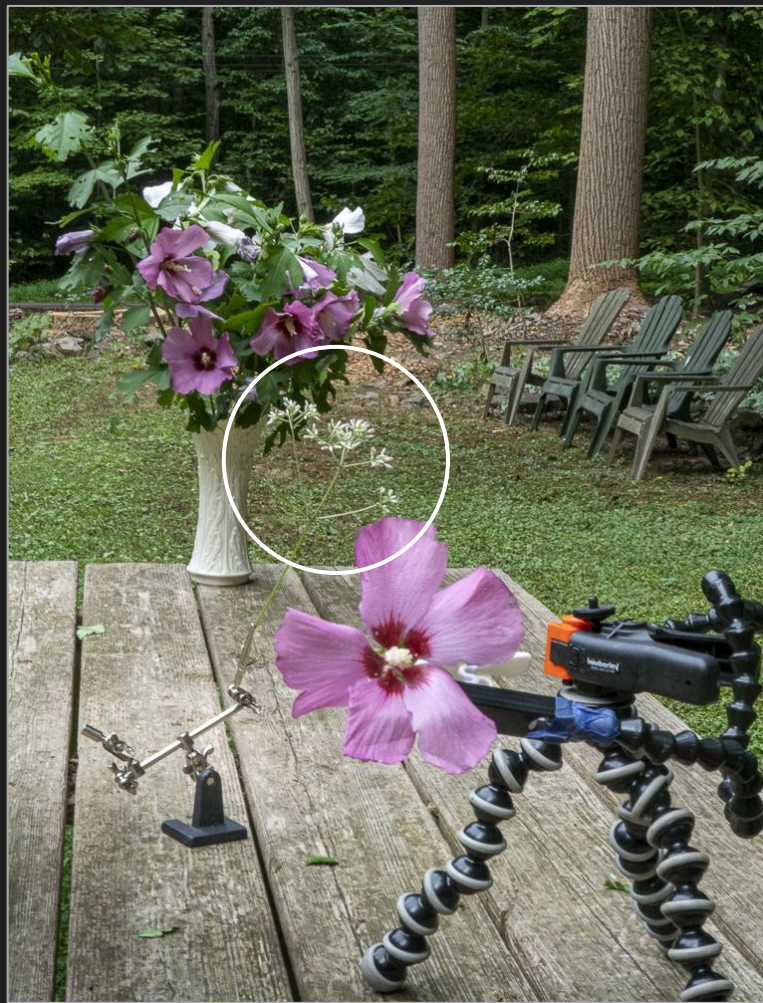


F 5/6
150 mm
1/250 second
ISO 160





F 5/6
150 mm
1/250 second
ISO 160



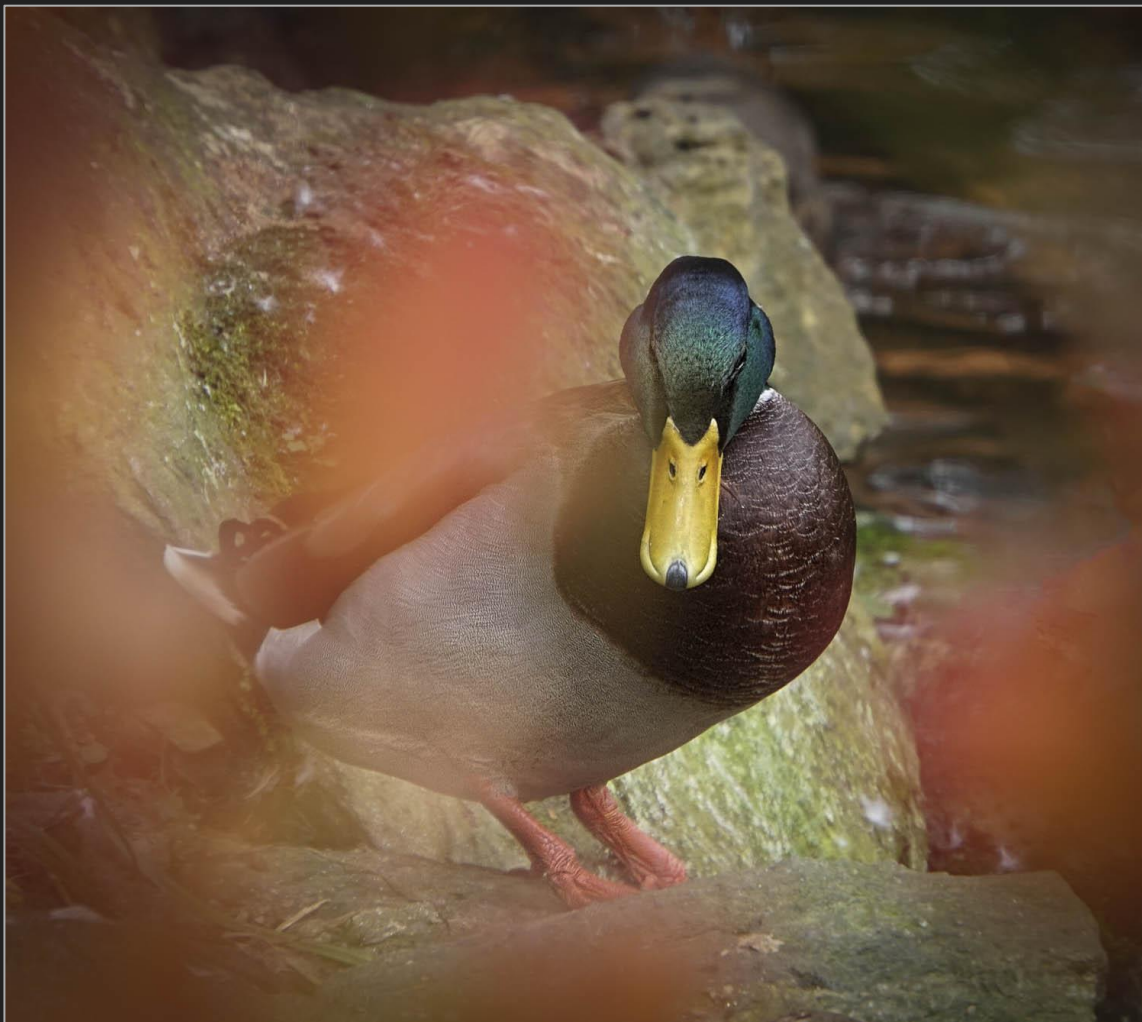


F 5/6
205 mm
1/350 second
ISO 250



F 5/6
216 mm
1/350 second
ISO 800

But it
doesn't
have to be
just
flowers...



F 6.3
200 mm
Zoom lens





F 9/5
170 mm
1/350 second
ISO 400





F 5.6
184 mm
1/320 second
ISO 125

Just a side note....

“Framing” is not
“Shoot thru”



Shoot Through

“Shoot through” can refer your subject being partially occluded by an intervening out-of-focus element that creates a diaphanous foreground element for your subject. It can also refer to shooting through a transparent or semi-transparent foreground element to your subject: if the object is flat it may merge a reflected image into your shot, or if not flat, may distort your subject.

Shoot through a transparent or semi-transparent foreground element to your subject

Flat surface
foreground

F 7.1
18 mm





F 7.1
22 mm

F 7.1
83 mm



F 6.3
19 mm





F 7.1
25 mm



















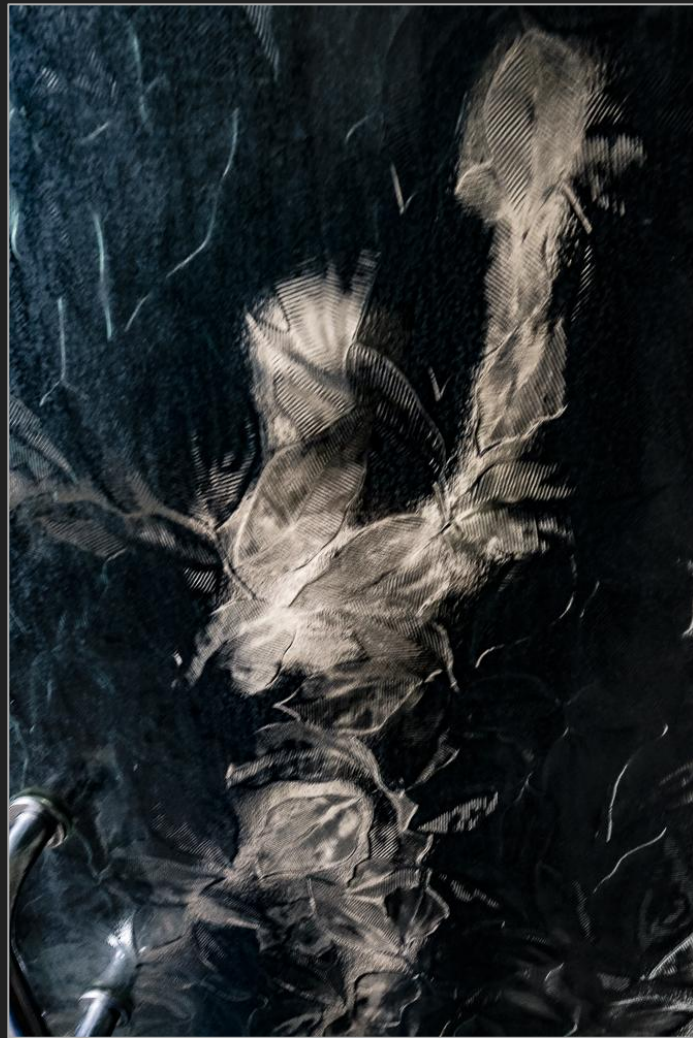




F 13
16mm



F 13
16mm



F 13
16mm



Shoot Through

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Shoot through a transparent or semi-transparent foreground element to your subject

Non-flat surface
foreground
creates
distortion























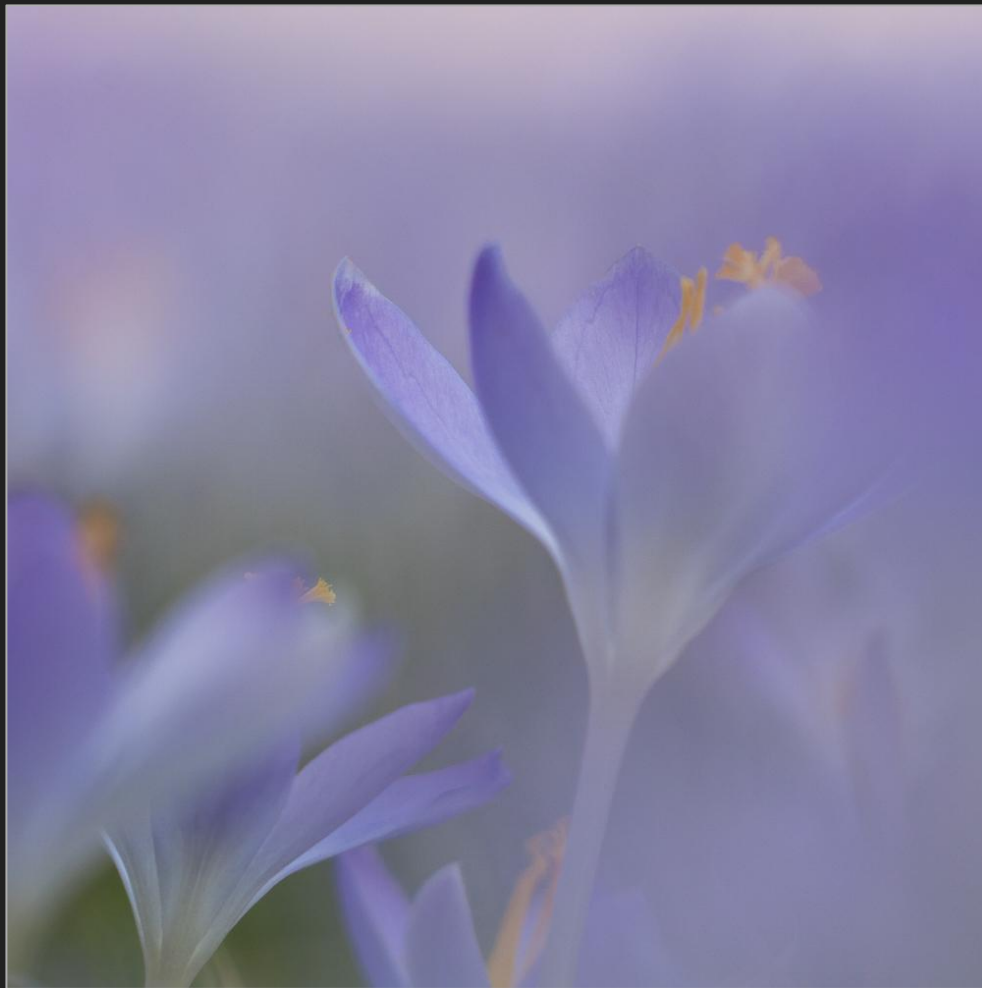
F 6.3
226 mm
1/500 sec
ISO 100



F 6.3
240 mm
1/350 sec
ISO 320

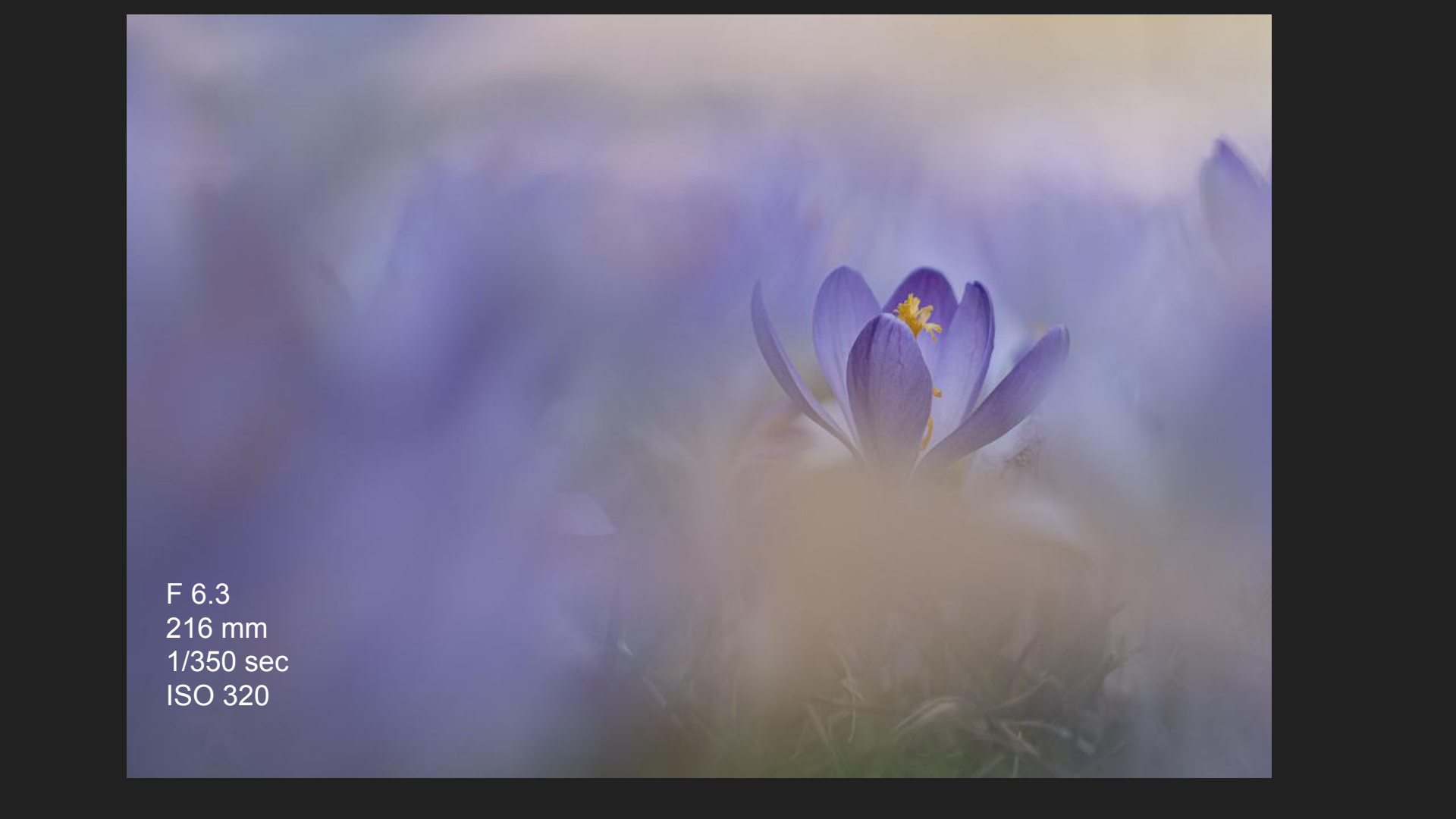


F 6.7
220 mm
1/350 sec
ISO 320



F 5.6
112 mm
1/200 sec
ISO 125





F 6.3
216 mm
1/350 sec
ISO 320

F 5.6
187 mm
1/350 sec
ISO 160



F 6.3
240 mm
1/350 sec
ISO 600



F 2.8
Macro lens





F 2.8
Macro lens



F 2.8
100 mm
Macro lens

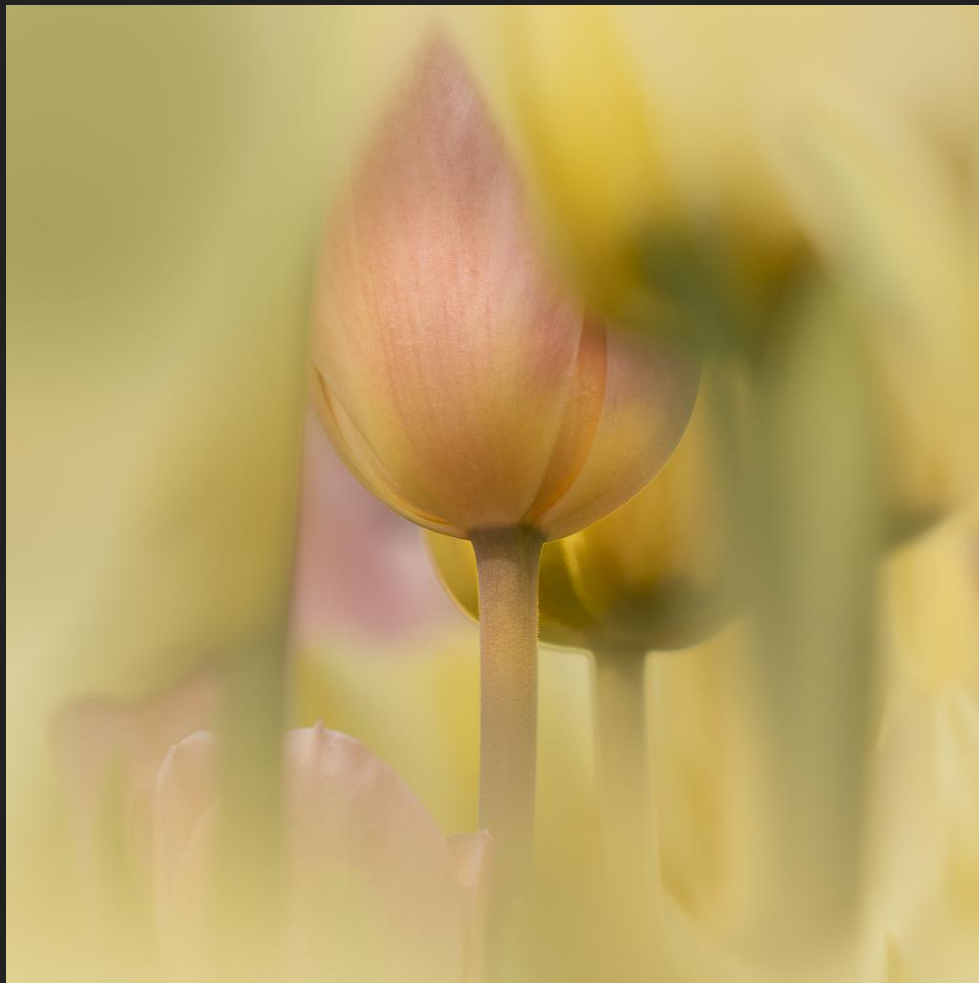
F 2.8
Macro lens



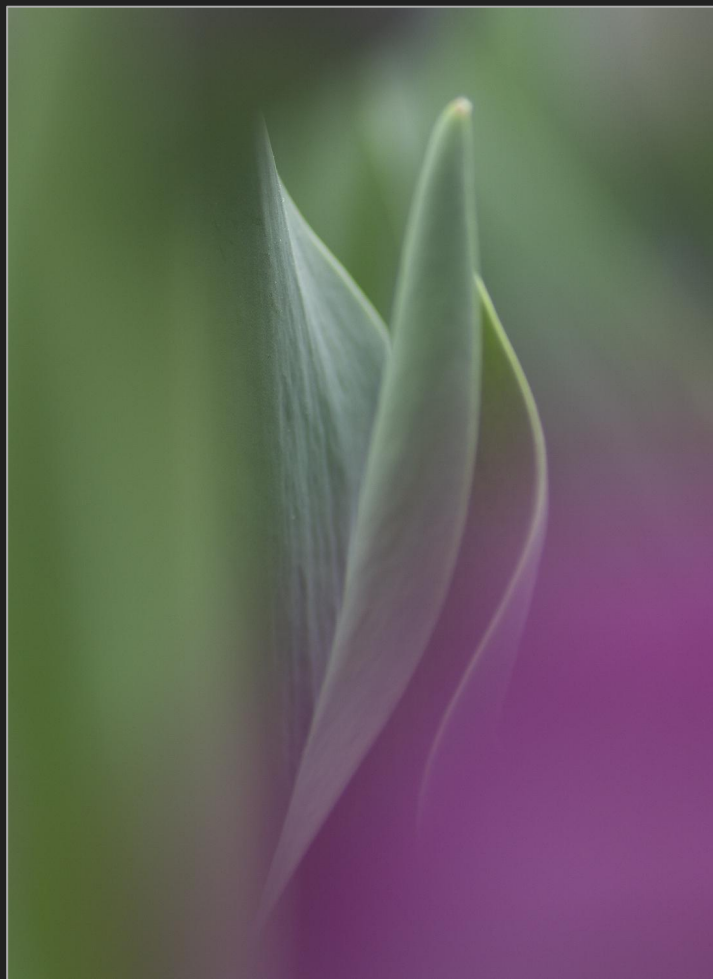
F 5.6
216 mm
1/320 sec
ISO 1250



F 6.7
219 mm
1/800 sec
ISO 200



F 3.2
90 mm
macro
1/320 sec
ISO 100



F 2.8
90 mm
macro
1/1600 sec
ISO 400

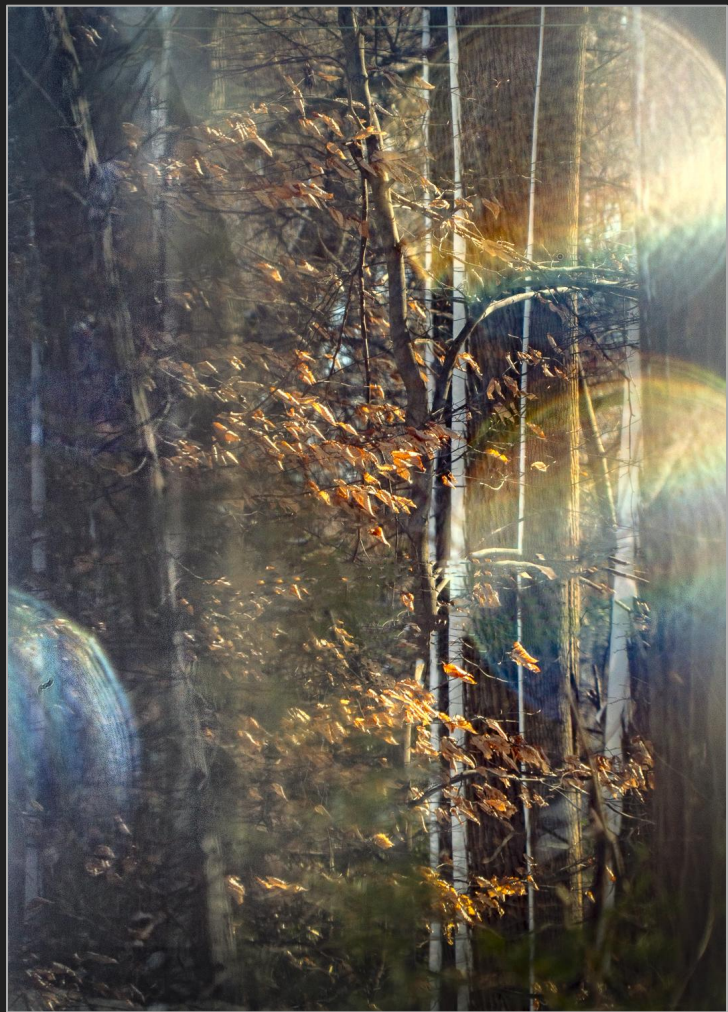




F 5.6
Zoom lens
73mm



F 2.8
100 mm
Macro
lens



F 6.7
Zoom lens
212 mm



CCCC Competition...May 2022

Blur & Flash

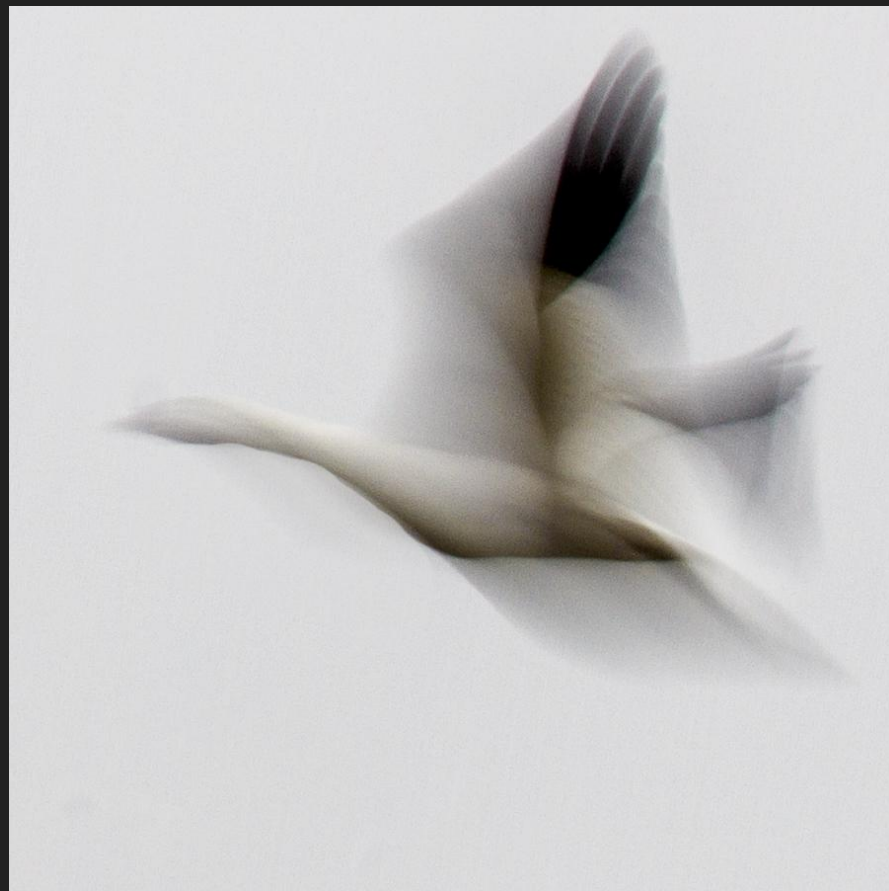
AKA...Rear curtain sync

AKA...Second Curtain sync

But first.....

Why would we want a blurry image?

Maybe a little creativity. Like this
slow shutter speed snow goose.



Or the same for this flock of geese.



Maybe a swipe of this stand
of birch trees.

3/10 sec





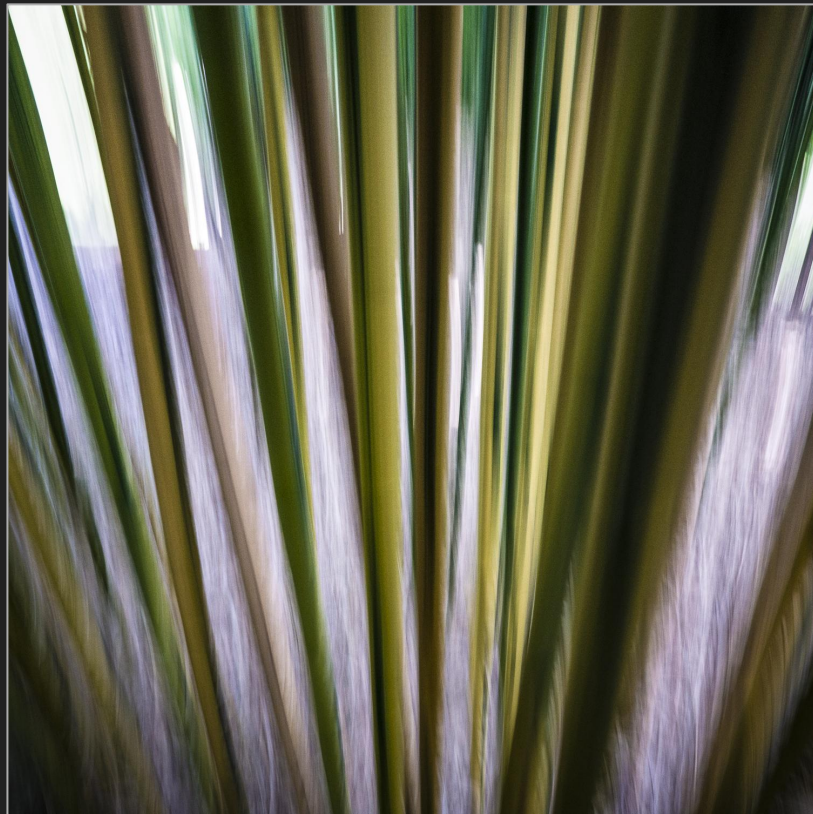
2014 Jim Wilson

Or some grasses at
the lake.

$\frac{1}{6}$ sec

Or even whatever
this is.

3/10 sec



How about some
“Swirlies”?

1/15 sec



Chaos among
the trees!



1/25 sec



Don't do this
solo!

1/16 sec





So what is this
rear curtain sync?



And how does it work?



Flash and Blur

Also known as Rear-Curtain Sync

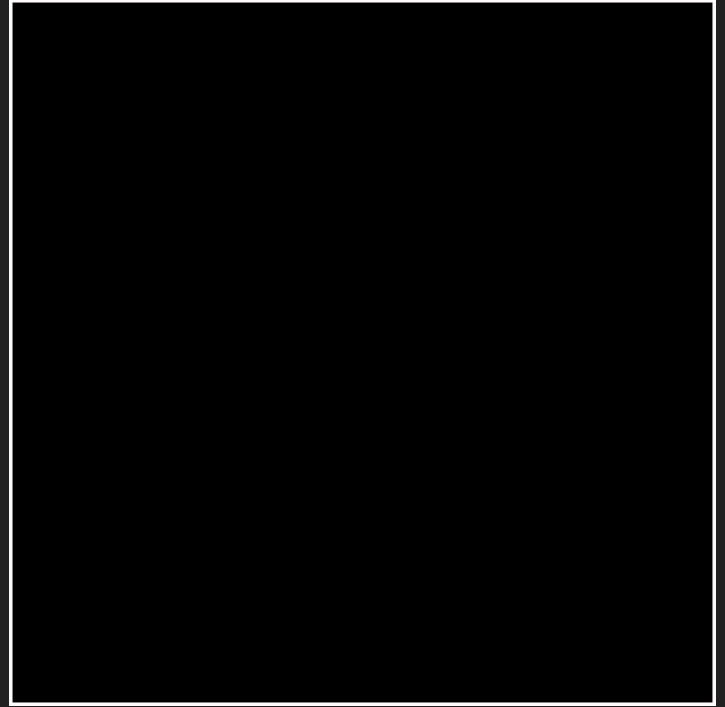
Blur and Flash is about taking low-light or night shots with slow shutter speeds while also employing a flash. You allow the camera shutter to remain open before firing a flash—automatically or manually—just before the shutter closes. The result is a beautiful blur of your subject, finishing with the subject tack-sharp, set by the flash going off. With focal plane shutters, this technique is often called rear-curtain flash; with leaf or electronic shutters, it's often called rear-sync flash. Selecting one of these flash options usually involves a simple change within a camera's settings menu.

Your camera has curtains.

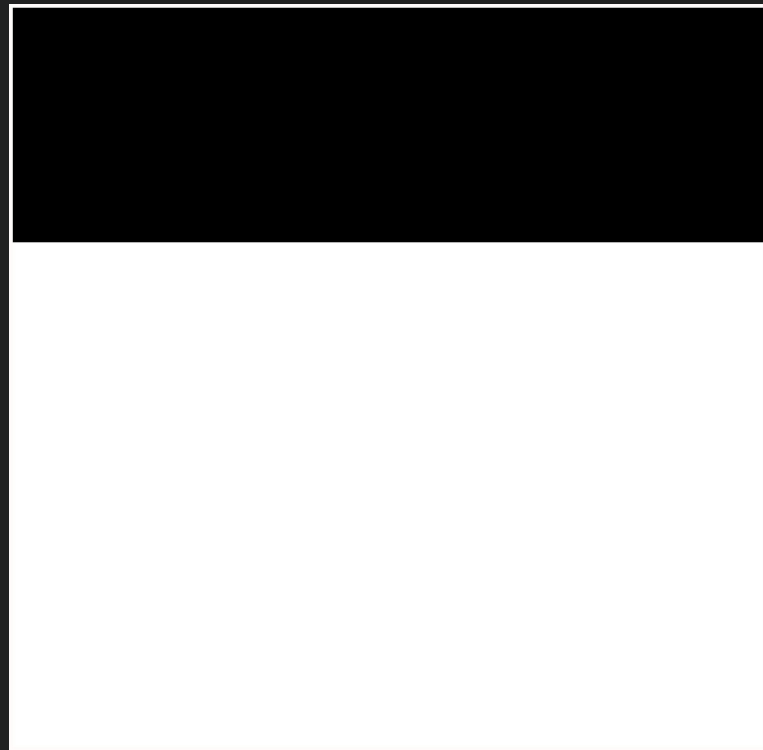
Just not this kind!



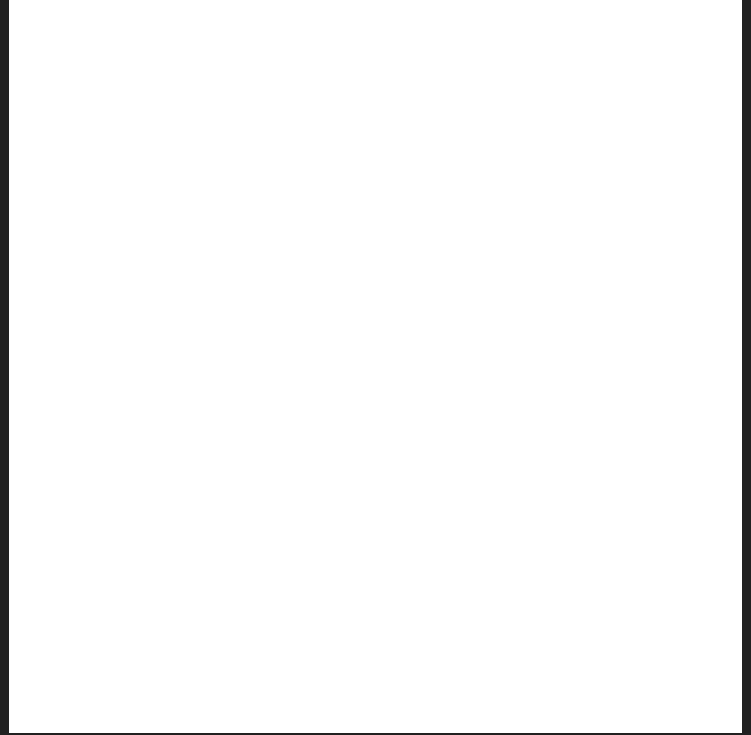
The shutter in your camera
consists of two curtains.



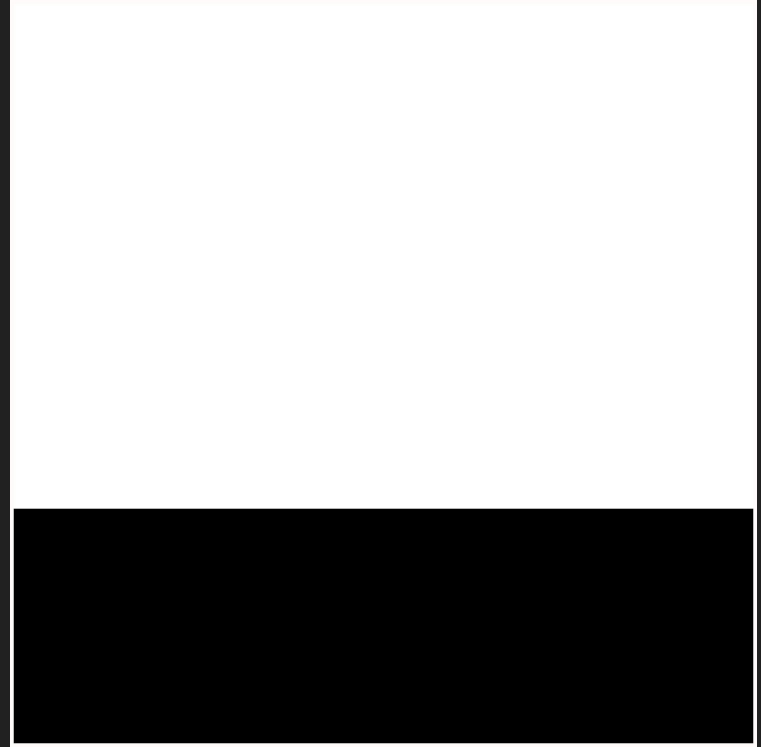
When you click that shutter, the first curtain begins to open.



When the sensor is fully exposed,
the flash will fire.

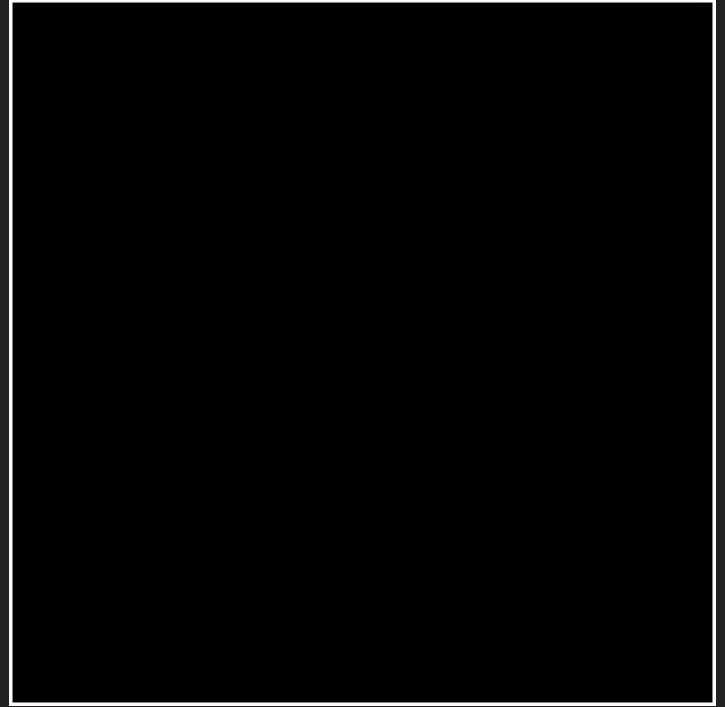


The second curtain then begins to close.



The exposure is over and the shutter resets.

TADA!



Front (First) Curtain Sync

The flash fires as soon as the first curtain fully opens, and the sensor is fully exposed. The usual default setting on most if not all cameras.

Rear (Second) Curtain Sync

The flash fires while the sensor is fully exposed and just before the second curtain begins to close.

So.....what's the difference?

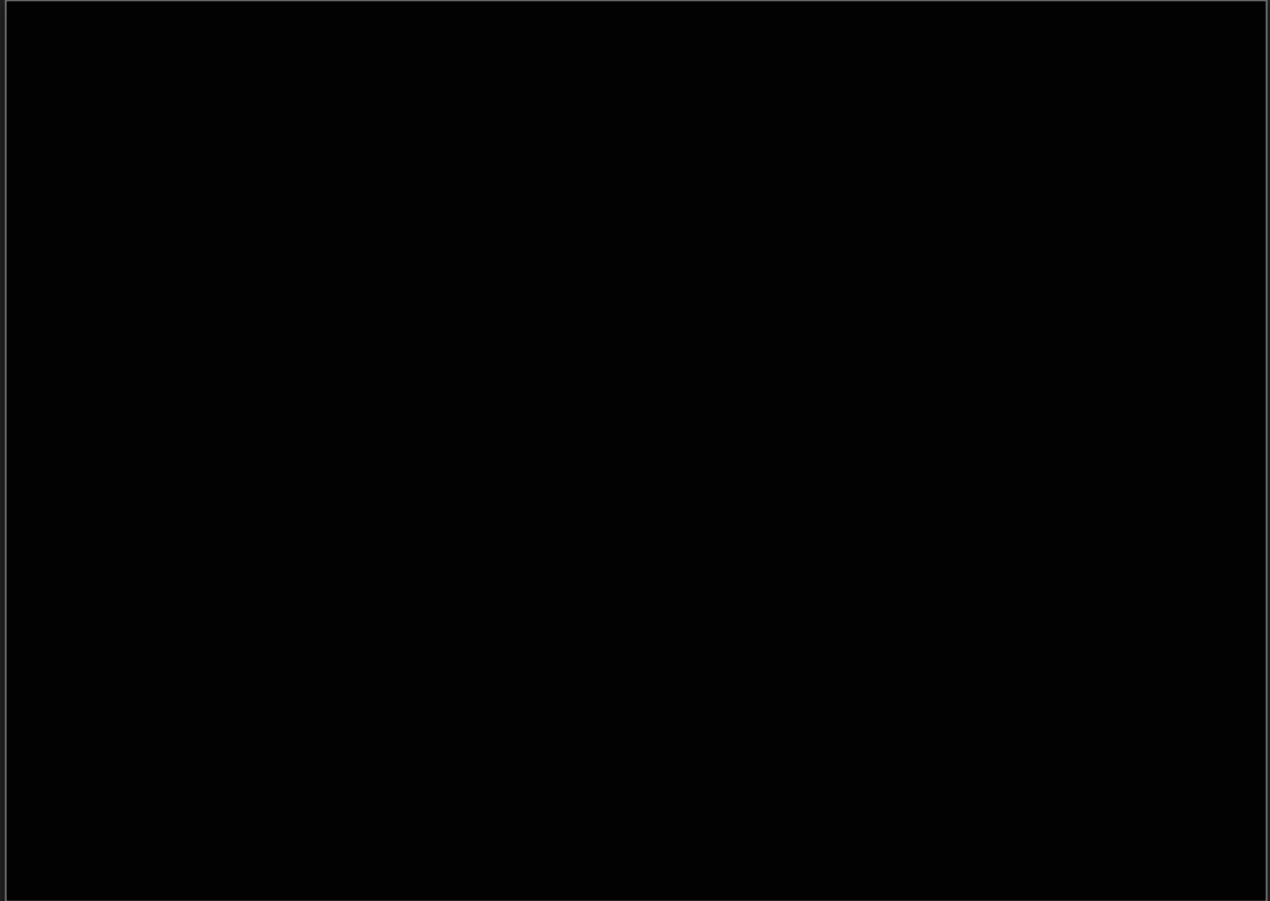
Under normal exposure conditions, not much.

With slow shutter speeds, it can be dramatic!



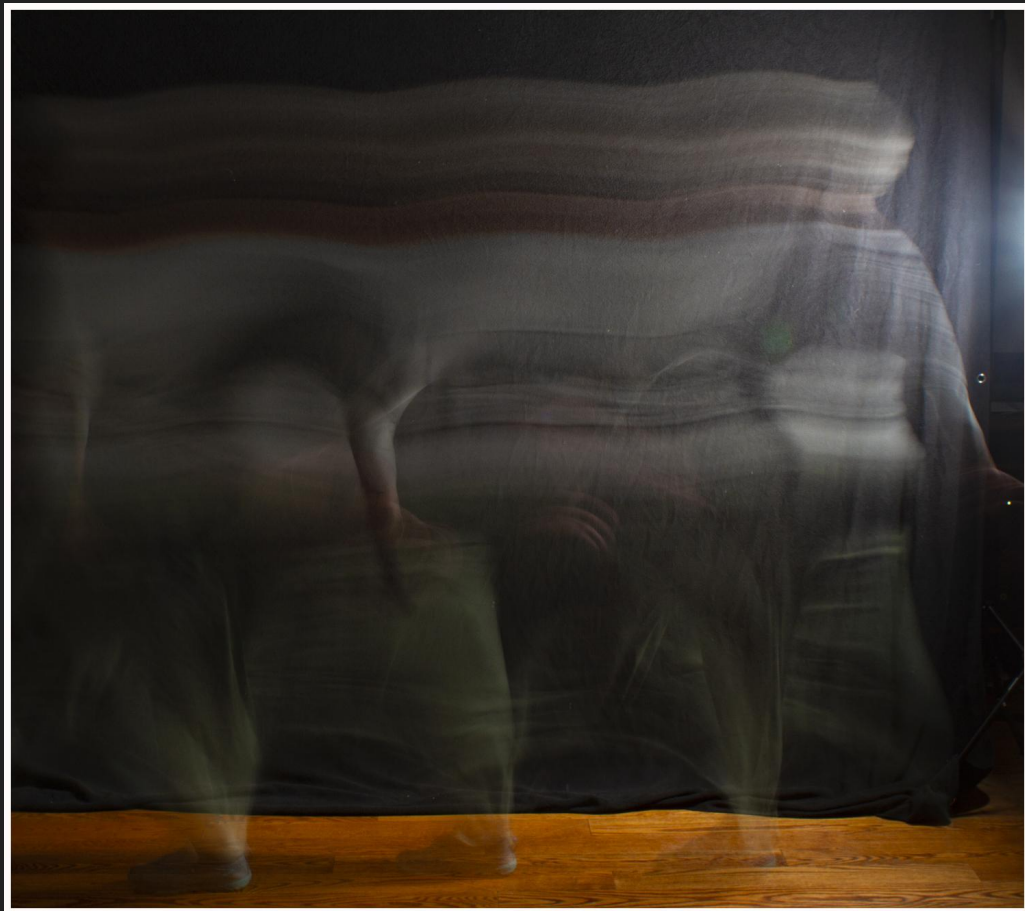
The setup

Initial exposure



LED panel only

2.0 sec



First curtain sync

2.0 sec



Second curtain sync

AKA Rear curtain sync

2.0 sec



Try mid-exposure!

2.0 sec



Try some colors

2.0 seconds



Since we have some lights set up,
let's look at some images!

2.0 sec at f/18, ISO
100
Continuous light and
Rear sync external
flash



2.0 sec at f/18, ISO 100
Continuous light and
Rear sync external flash



1.5 sec



.8 sec at f/8, ISO 250
Continuous light and Rear sync
external flash



.8 sec



.8 sec



.8 sec



Family Fun

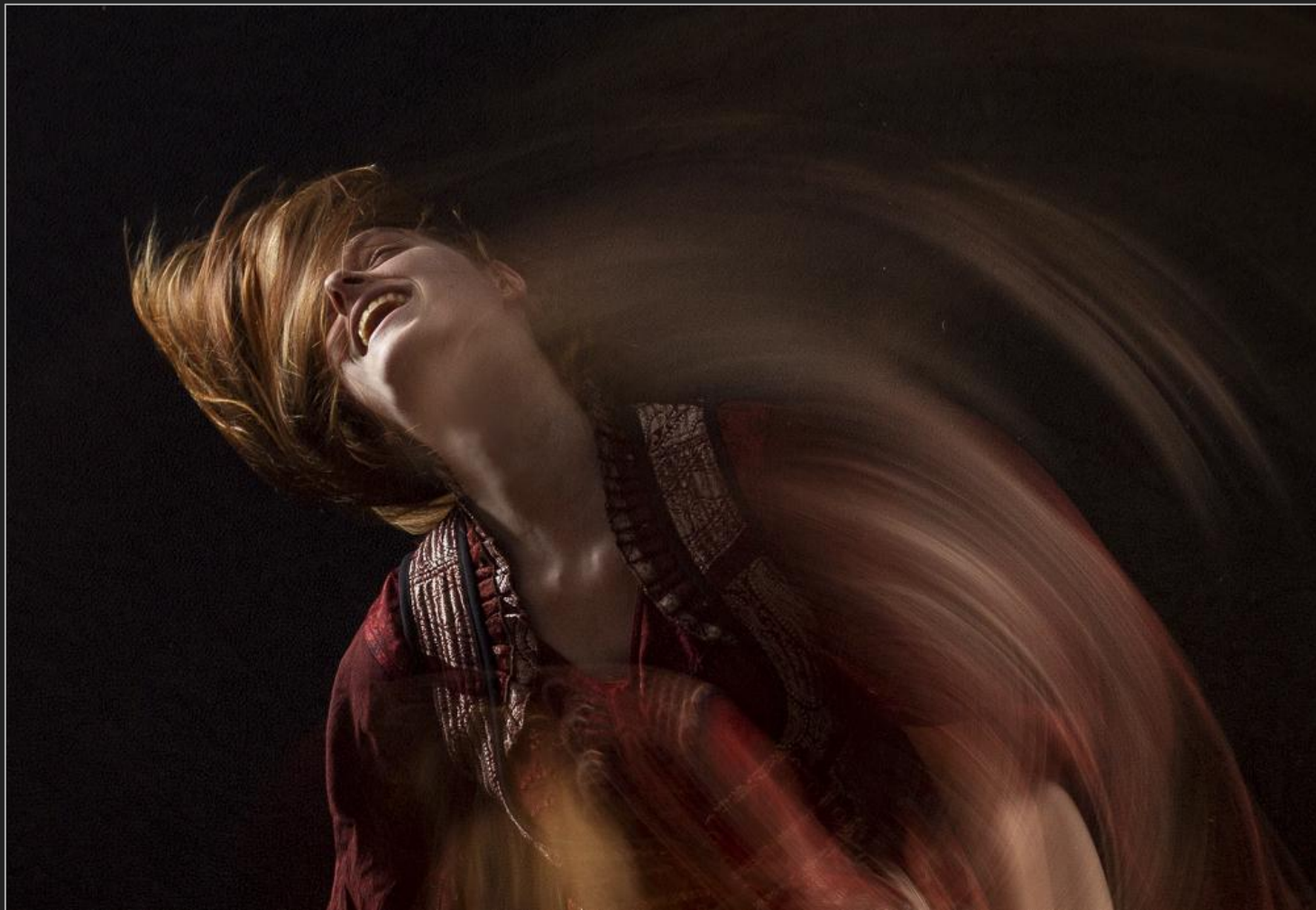
Kelsey joined in with
her gypsy outfit

1.6 sec



Cropped in to
emphasize
the hair

1.6 sec



Walk like an
Egyptian

1.6 sec





Sometimes things are
just a total mess.



And sometimes things are
just plain freaky!



?

Huh?



Occasionally, things
really work.

1.6 sec

Who needs fancy
lights?





Betsy being Betsy



Betsy being Betsy



Betsy being Betsy



Betsy being Betsy

People aren't the only
subject. Anything that
moves can work.

1.2 sec





Try dice on black
plexiglass.

0.8 sec



Keep shooting
until you get a
good one!

0.8 sec

One loner bouncing out

0.8 sec

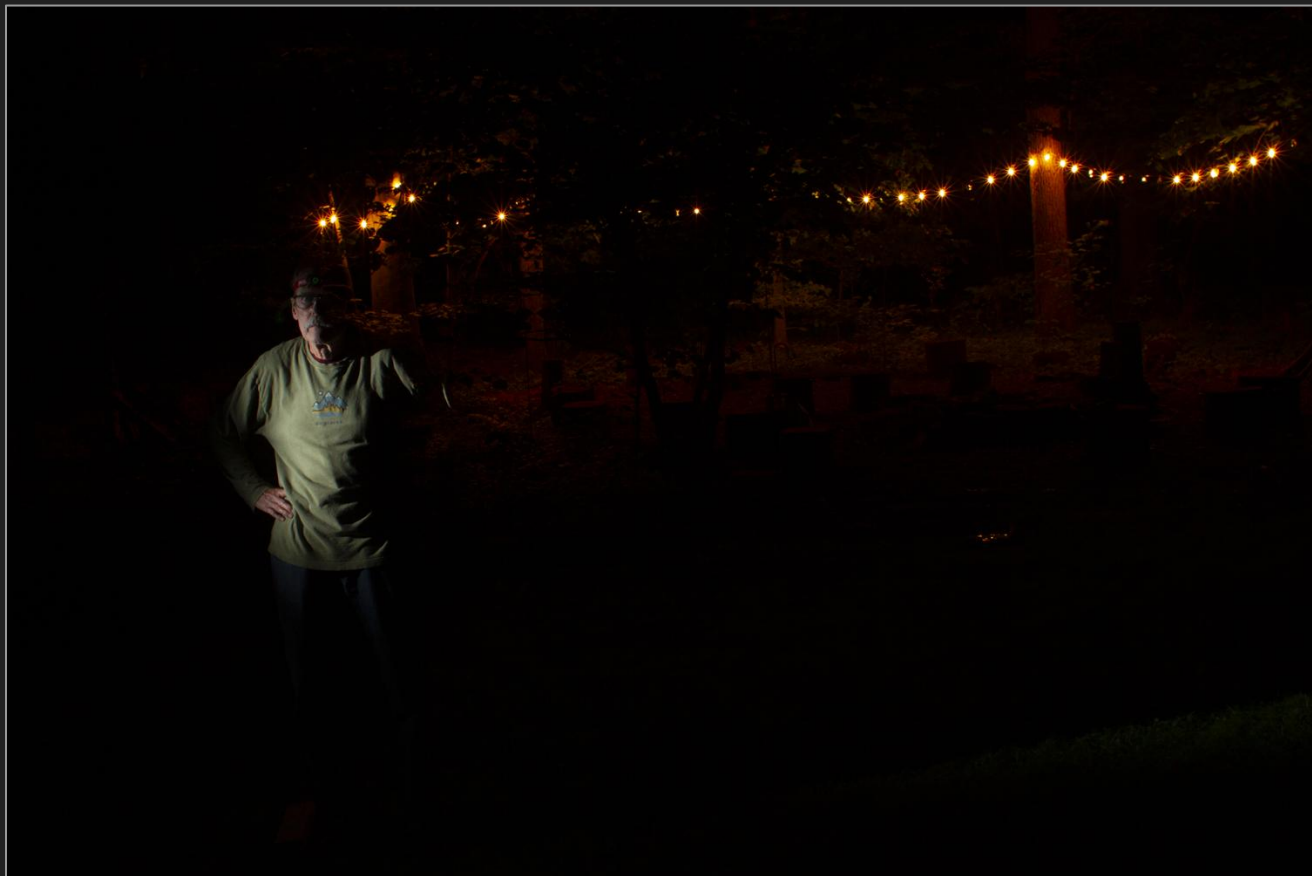




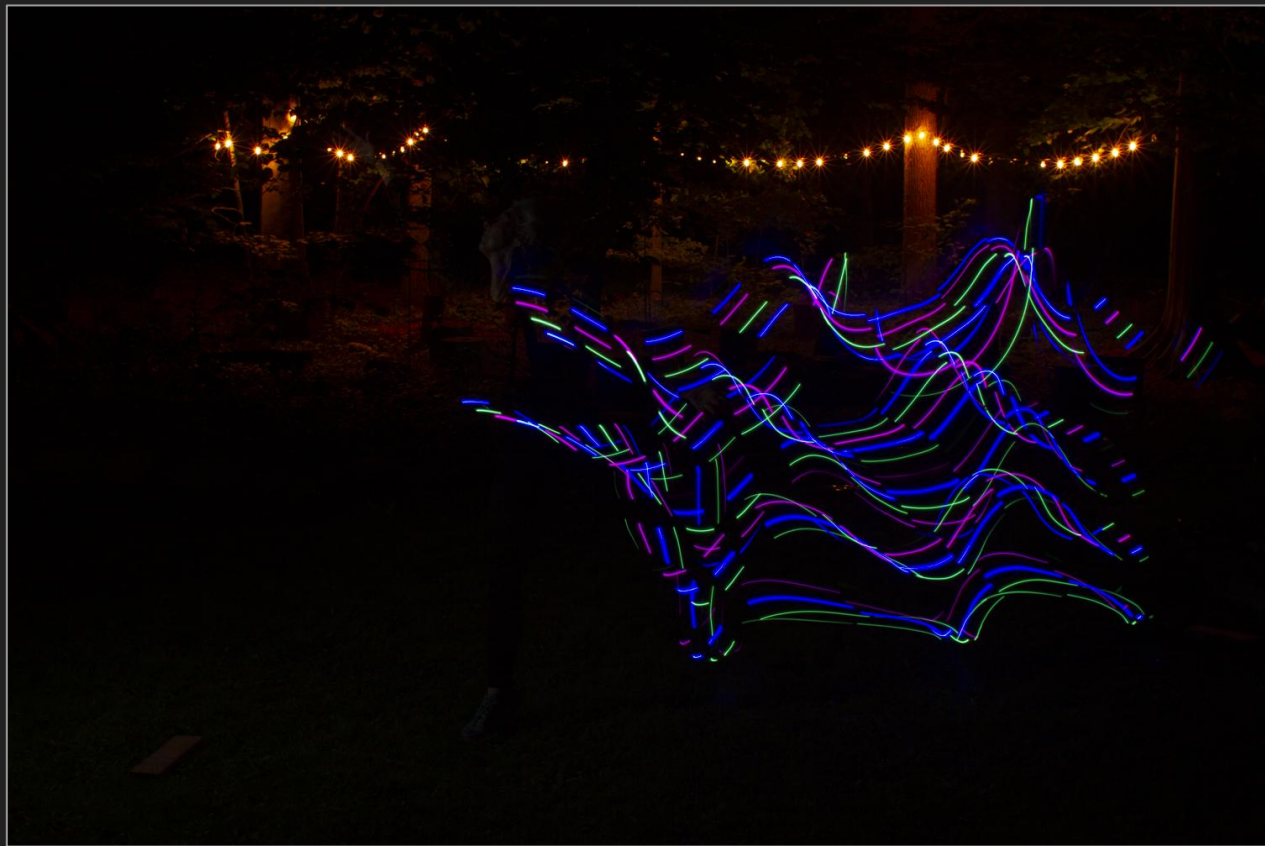
With
umbrella



With small
softbox



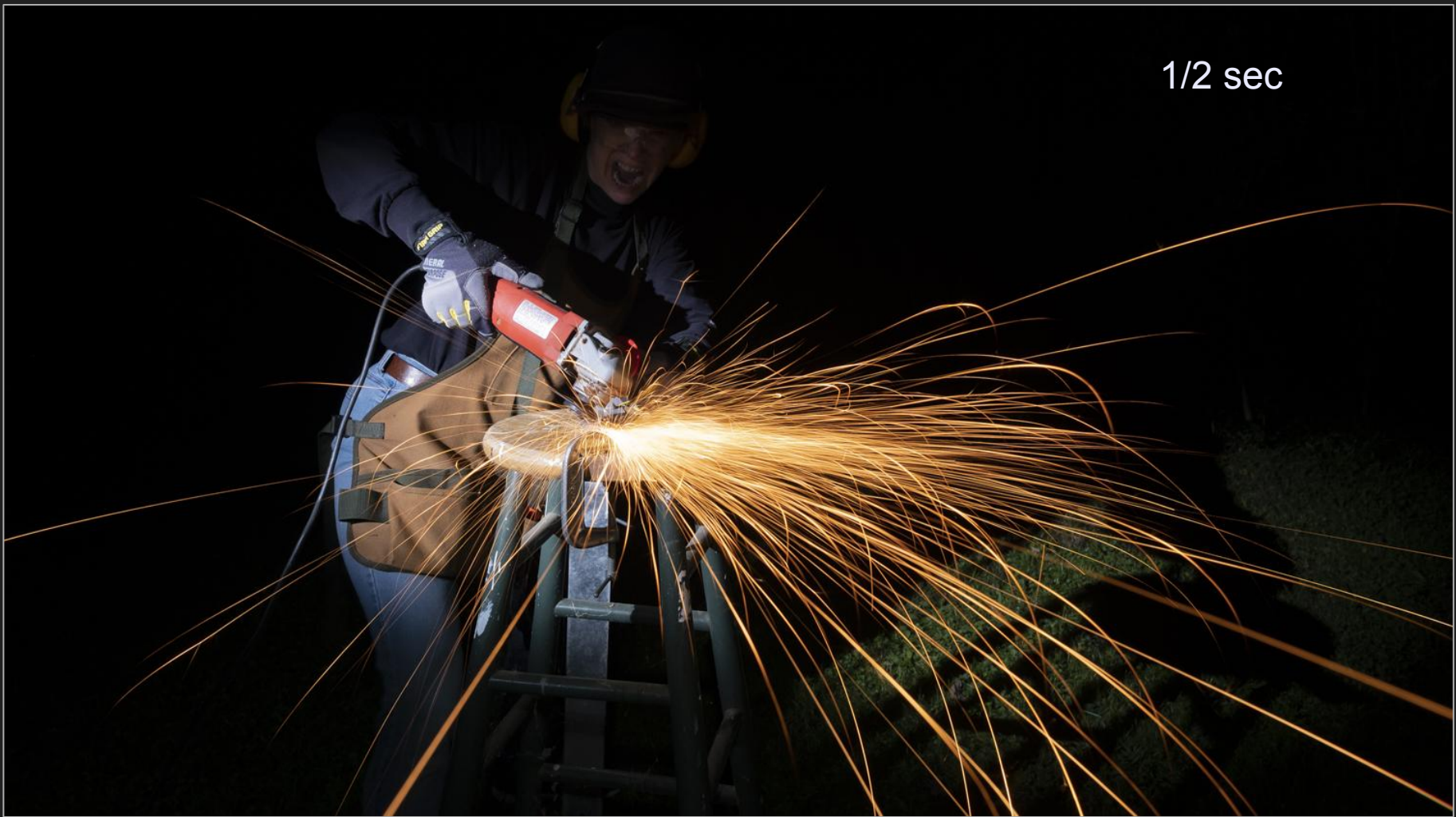
Oops! No flash





2 sec at
f/10, ISO
400

1/2 sec





Snoot



1/2 sec
f/8
ISO 160









1/2 sec

Thank you!



Jim and Betsy Wilson

LetsCaptureTheMoment.com