



**BOGNOR REGIS
CAMERA CLUB**

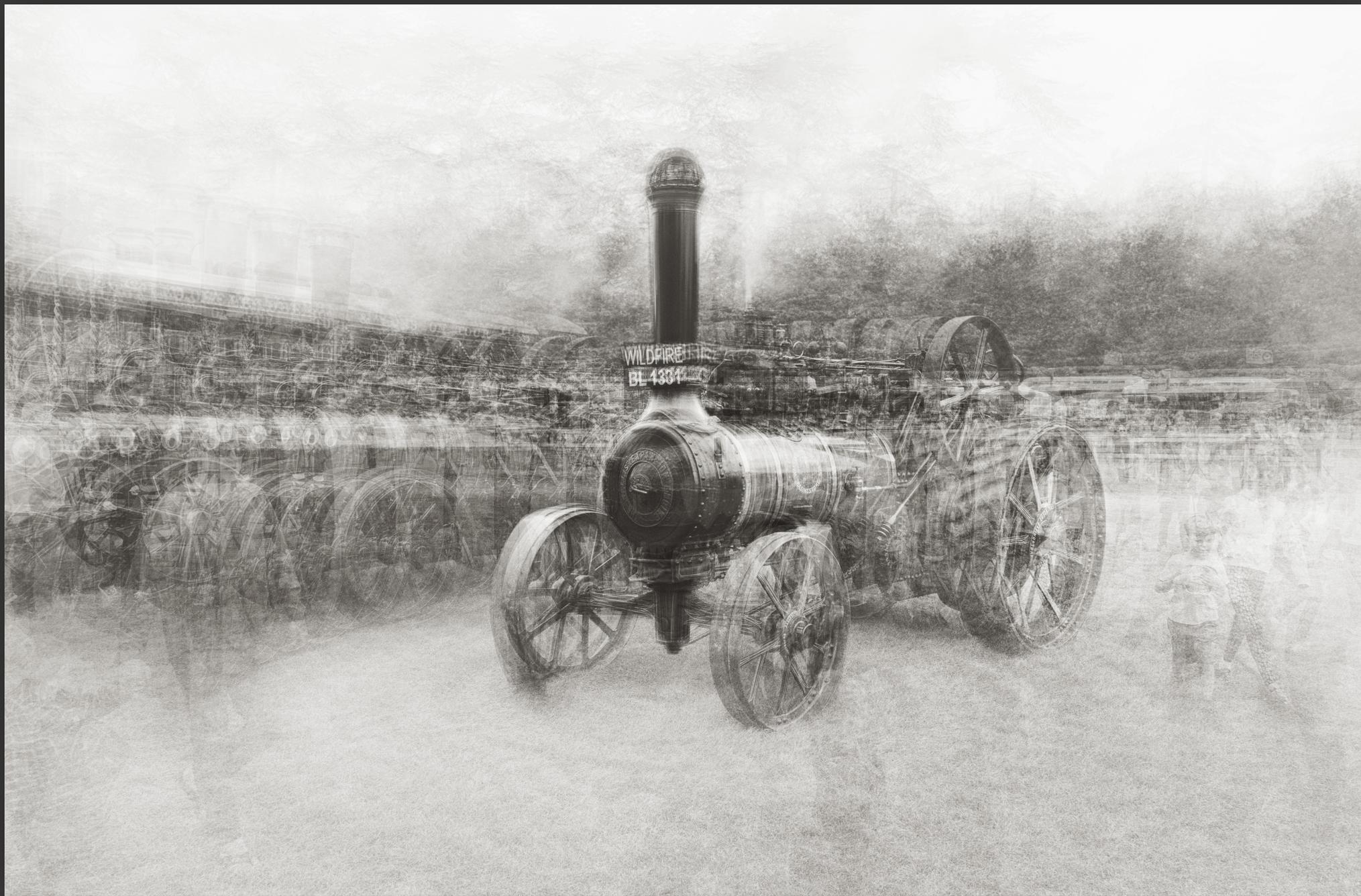
MARMITE



MULTIPLE EXPOSURES

Why, they're as lovely as a cheese and Marmite sandwich.









MULTIPLE EXPOSURES

TERMINOLOGY

Scatters

Statics

Pans

Arcs

Trombones



MULTIPLE EXPOSURES

EARLY EXPERIMENTS

I don't know what I'm doing, but I quite like it...



TYPE:
Scatter

Aligned: NO
Exposures: ?
Opacity: ?

SETTINGS:
Unknown

TIME:
Unknown



TYPE:
Scatter

Aligned: YES
Exposures : 5?
Opacity: 20%

SETTINGS:
Unknown

TIME:
Unknown



TYPE:

Scatter

Aligned: YES

Exposures : 19

Opacity: 5%

SETTINGS:

f1.8

1/800s

ISO 200

TIME:

23 seconds



TYPE:

Scatter

Aligned: YES

Exposures : 20

Opacity: 5%

SETTINGS:

f1.8

1/800s

ISO 200

TIME:

23 seconds



MULTIPLE EXPOSURES SCATTERS

Stand still and move the camera slightly between shots

TOP TIP: *Try not to freeze to death in winter*



TYPE:

Scatter

Aligned: YES

Exposures : 15

Opacity: 6%

SETTINGS:

f4

1/800s

ISO 200

TIME:

2 min 25 secs



TYPE:

Scatter

Aligned: YES

Exposures : 9

Opacity: 11%

SETTINGS:

f5

1/60s

ISO 400

TIME:

29 seconds



TYPE:

Scatter

Aligned: YES

Exposures : 18

Opacity: 5%

SETTINGS:

f8

1/250s

ISO 200

TIME:

1 minute



TYPE:

Scatter

Aligned: YES

Exposures : 15

Opacity: 6%

SETTINGS:

f8

1/320s

ISO 200

TIME:

12 seconds



MULTIPLE EXPOSURES **STATICS**

Stand stock still and take loads of photos



TYPE:

Static

Aligned: YES

Exposures : 17

Opacity: 5%

SETTINGS:

f4

1/2000s

ISO 200

TIME:

9 seconds



TYPE:

Static

Aligned: YES

Exposures : 16

Opacity: 6%

SETTINGS:

f8

1/1250s

ISO 200

TIME:

14 seconds



TYPE:

Static

Aligned: YES

Exposures : 12

Opacity: 8%

SETTINGS:

f7.1

1/1500s

ISO 200

TIME:

17 seconds



TYPE:

Static

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/800s

ISO 400

Fl = 200mm

TIME:

14 seconds



TYPE:

Static

Aligned: YES

Exposures : 25

Opacity: 4%

SETTINGS:

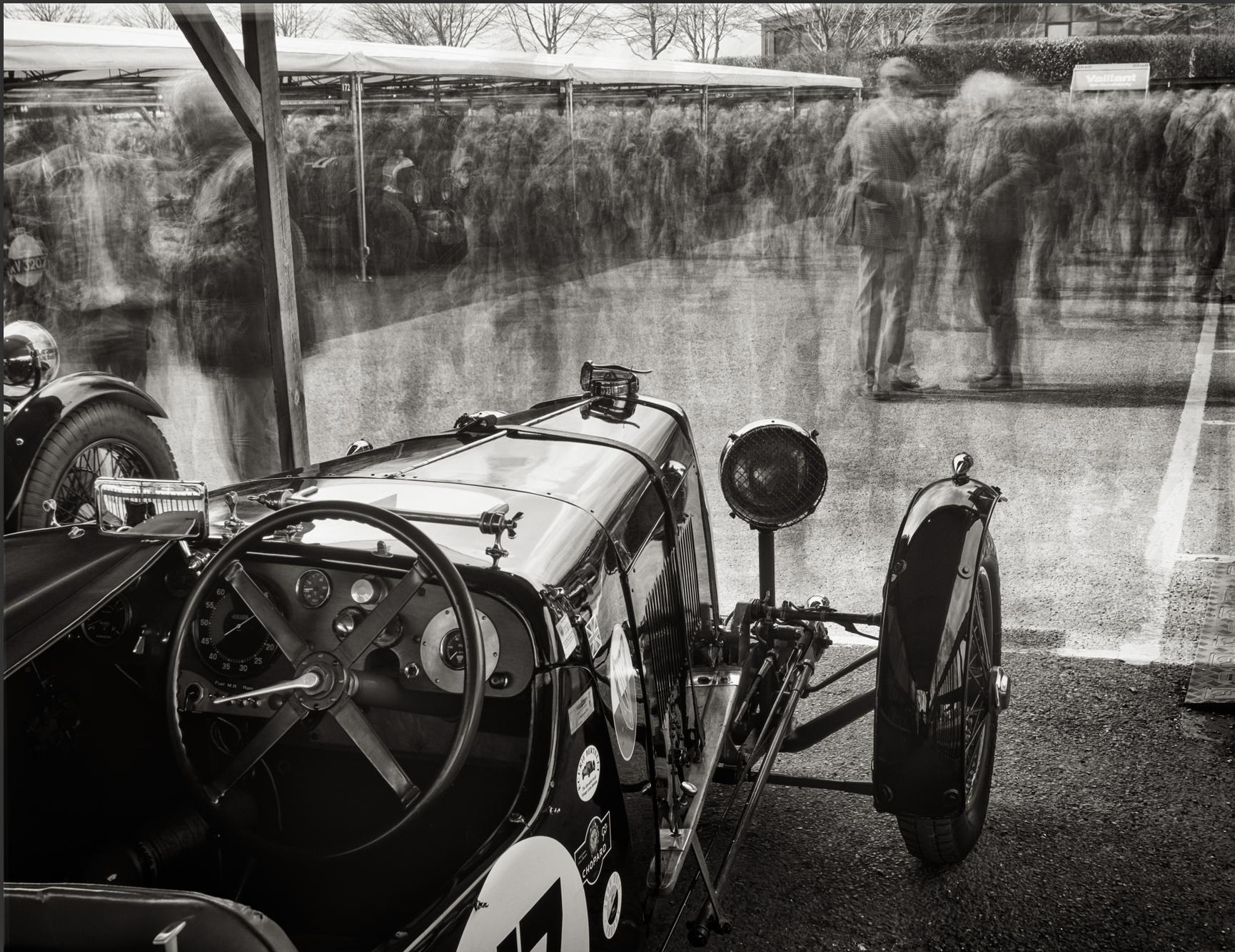
f8

1/250s

ISO 200

TIME:

1 min 20 secs



TYPE:

Static

Aligned: YES

Exposures : 13

Opacity: 7%

SETTINGS:

f8

1/200s

ISO 200

TIME:

41 seconds





TYPE:

Static

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f4

1/4000s

ISO 200

TIME:

12 seconds

TYPE:

Static

Aligned: YES

Exposures : 9

Opacity: 11%

SETTINGS:

f9

1/12s

ISO 200

TIME:

33 seconds



TYPE:

Static

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/320s

ISO 200

TIME:

4 seconds



TYPE:

Static

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f5.6

1/200s

ISO 200

TIME:

4 seconds



TYPE:

Static

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f1.8

1/50s

ISO 200

TIME:

12 min 16 secs



MULTIPLE EXPOSURES

TROMBONES

The problematic 'trombone shot' or 'contra zoom'



TYPE:

Trombone

Aligned: YES

Exposures : 18

Opacity: 5%

SETTINGS:

f3.2

1/40s

ISO 640

TIME:

1 min 8 secs



TYPE:

Trombone

Aligned: YES

Exposures : 9

Opacity: 11%

SETTINGS:

f6.4

1/250s

ISO 320

TIME:

39 seconds



TYPE:

Trombone

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/125s

ISO 200

TIME:

44 seconds



TYPE:

Trombone

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

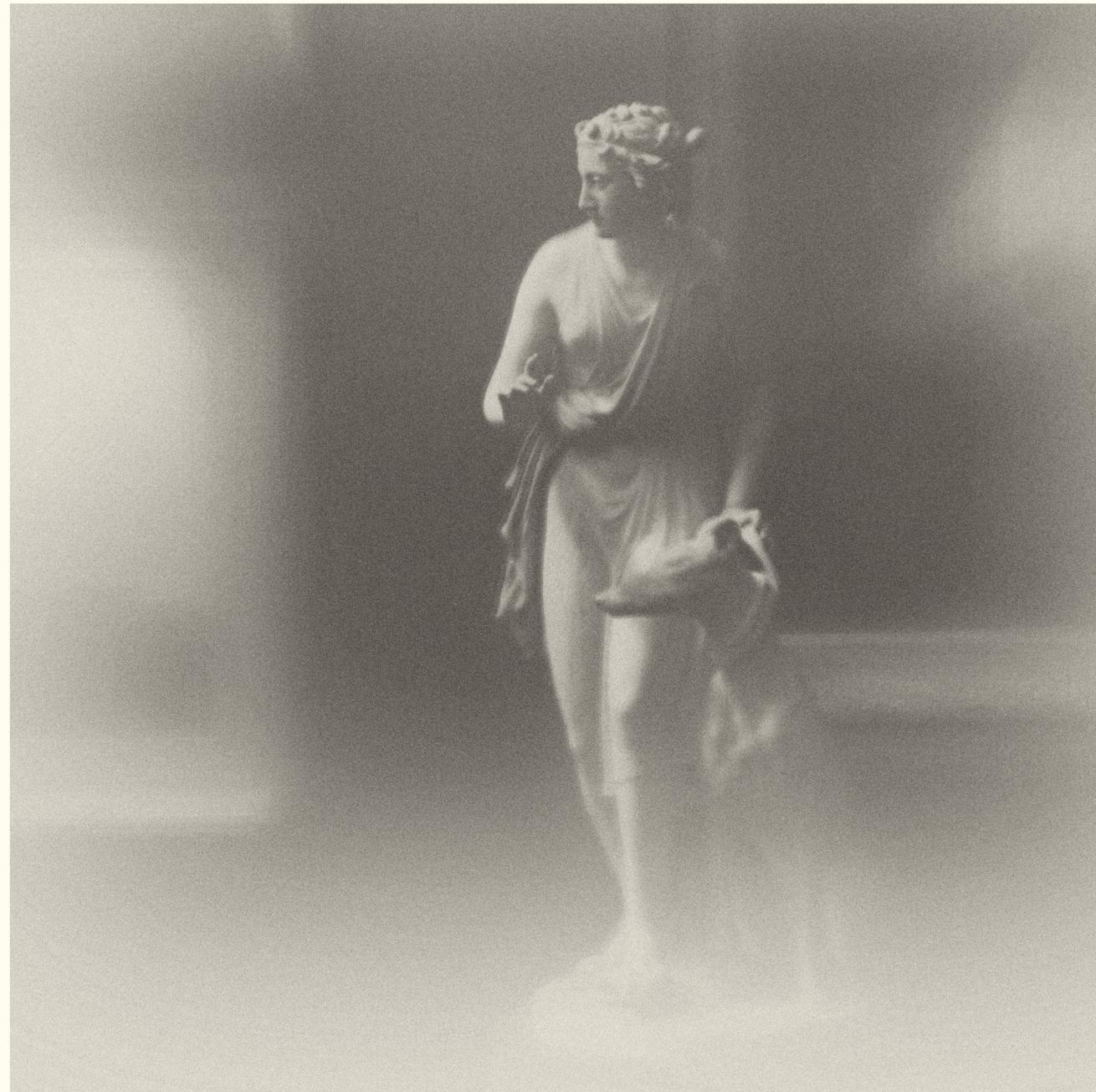
f3.2

1/60s

ISO 1250

TIME:

1 min 26 secs



TYPE:

Trombone

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

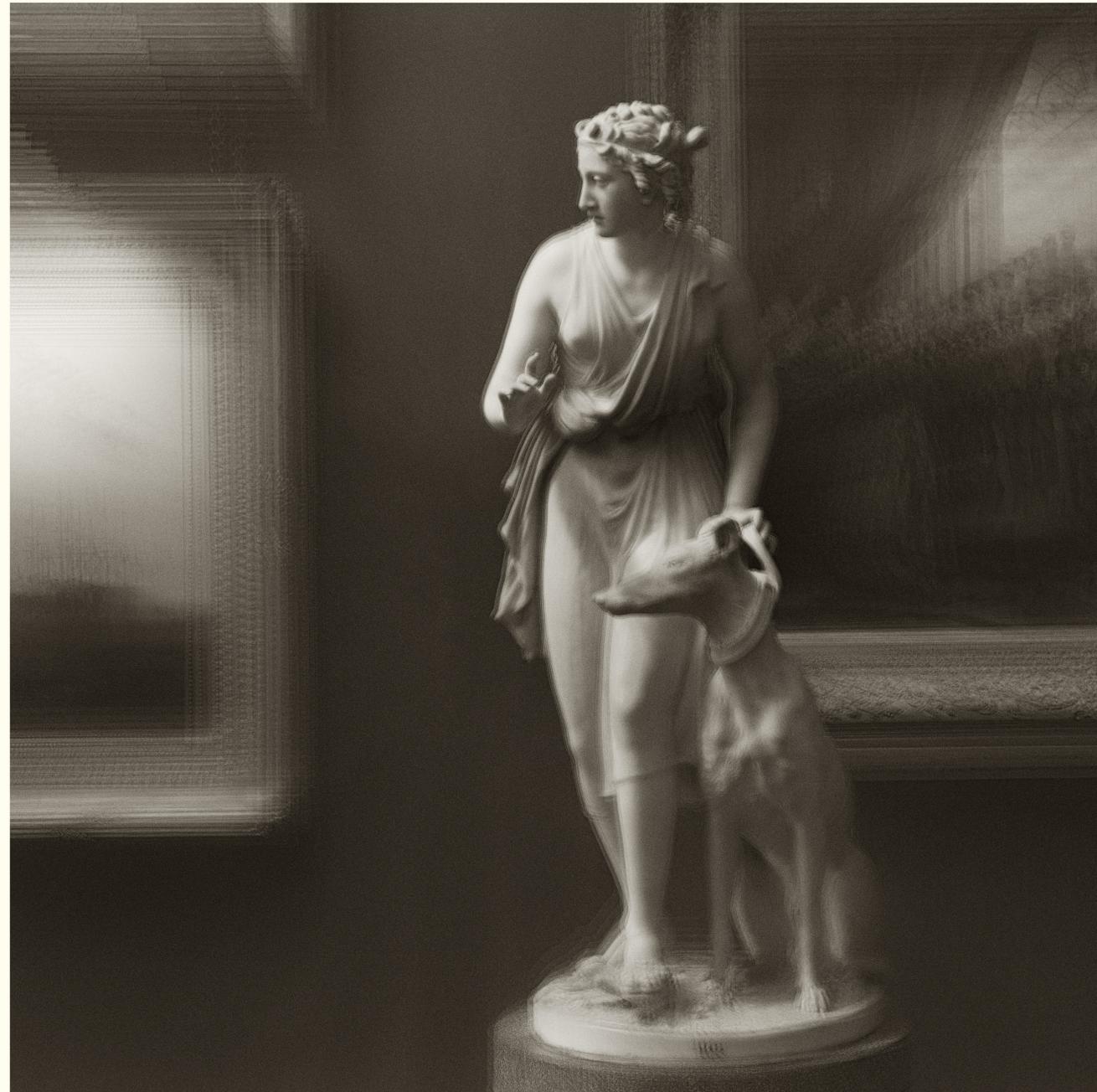
f3.2

1/60s

ISO 1250

TIME:

1 min 26 secs



MULTIPLE EXPOSURES

PANS

Try not to fall over as you rotate about your own axis



TYPE:

Pan

Aligned: YES

Exposures : 14

Opacity: 7%

SETTINGS:

f8

1/400s

ISO 200

TIME:

22 seconds



TYPE:

Pan

Aligned: YES

Exposures : 12

Opacity: 8%

SETTINGS:

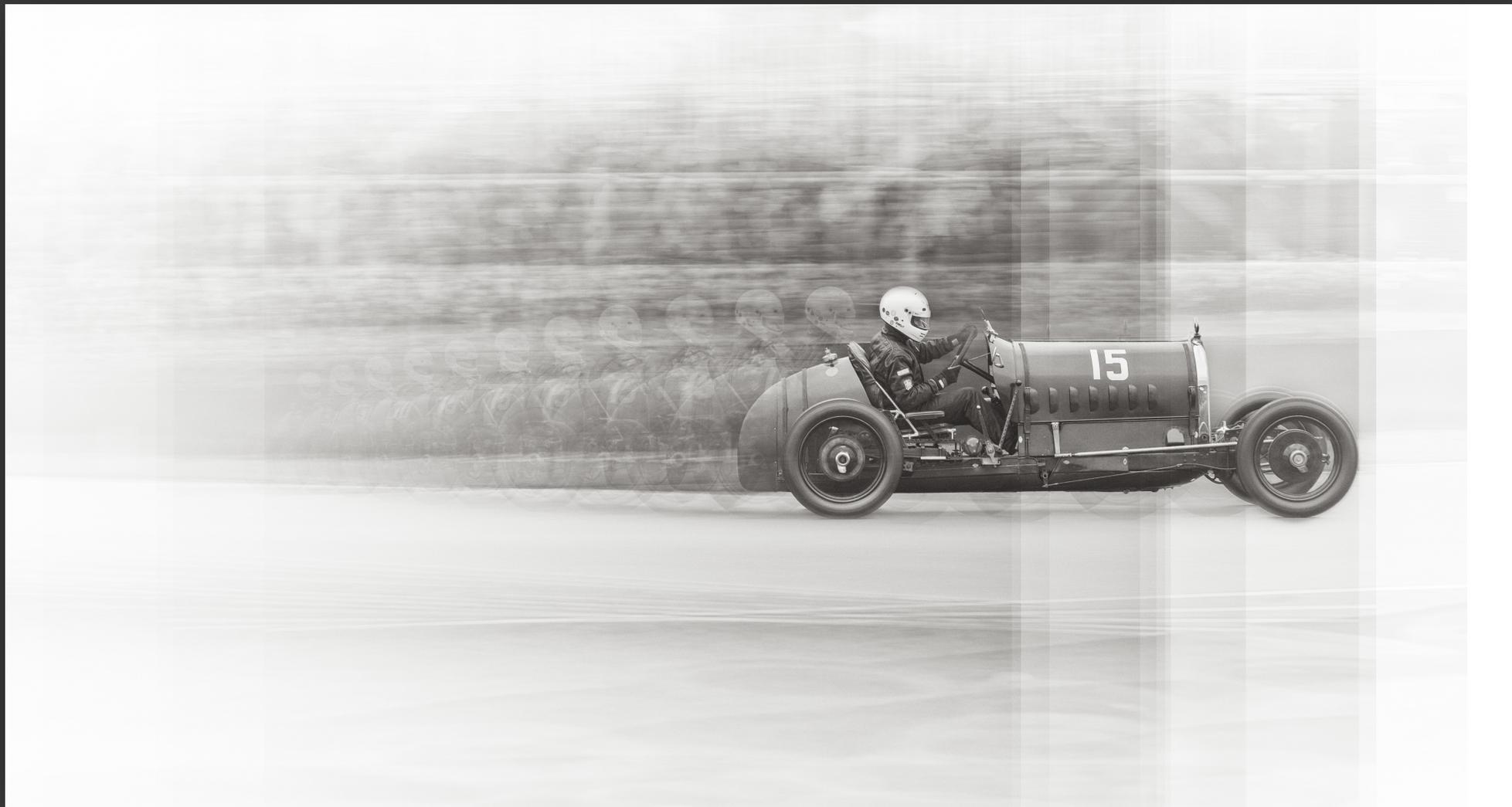
f7.1

1/125s

ISO 1600

TIME:

3 seconds



TYPE:

Pan

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/800s

ISO 200

TIME:

16 seconds



MULTIPLE **ARCS** POSURES

The art of walking around things; preferably anticlockwise



TYPE:

Arc

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/500s

ISO 200

TIME:

20 seconds



TYPE:

Arc

Aligned: YES

Exposures : 16

Opacity: 6%

SETTINGS:

f8

1/100s

ISO 200

TIME:

57 seconds



TYPE:

Arc

Aligned: YES

Exposures : 19

Opacity: 5%

SETTINGS:

f4

1/500s

ISO 200

TIME:

1 min 57 secs



TYPE:

Arc

Aligned: YES

Exposures : 14

Opacity: 7%

SETTINGS:

f4

1/1000s

ISO 200

TIME:

24 seconds



TYPE:

Arc

Aligned: NO

Exposures : 10

Opacity: 10%

SETTINGS:

f4

1/500s

ISO 200

TIME:

22 seconds



TYPE:

Arc

Aligned: YES

Exposures : 10

Opacity: 10%

SETTINGS:

f8

1/250s

ISO 200

TIME:

56 seconds



MULTIPLE EXPOSURES

AND FINALLY...

Some subjects seem like they won't work, but...



1



2



3



4



5



6



7





9



MULTIPLE EXPOSURES

MERGE THEM ALL

Nine layers, each at 11% opacity ($100\% \div 9 = 11\%$ ish)





MULTIPLE EXPOSURES

THE FINAL IMAGE

Crop and convert to black & white



TYPE:

Arc

Aligned: NO

Exposures : 9

Opacity: 11%

SETTINGS:

f3.2

1/500s

ISO 200

TIME:

58 seconds



MULTIPLE EXPOSURES

THANK YOU

That's all folks.





**BOGNOR REGIS
CAMERA CLUB**