

UN-DEVELOPED TERRITORY: TESTING THE LIGHTFASTNESS OF PHOTOGRAPHS

Bryanna Knotts
Advisor: Katie Sanderson

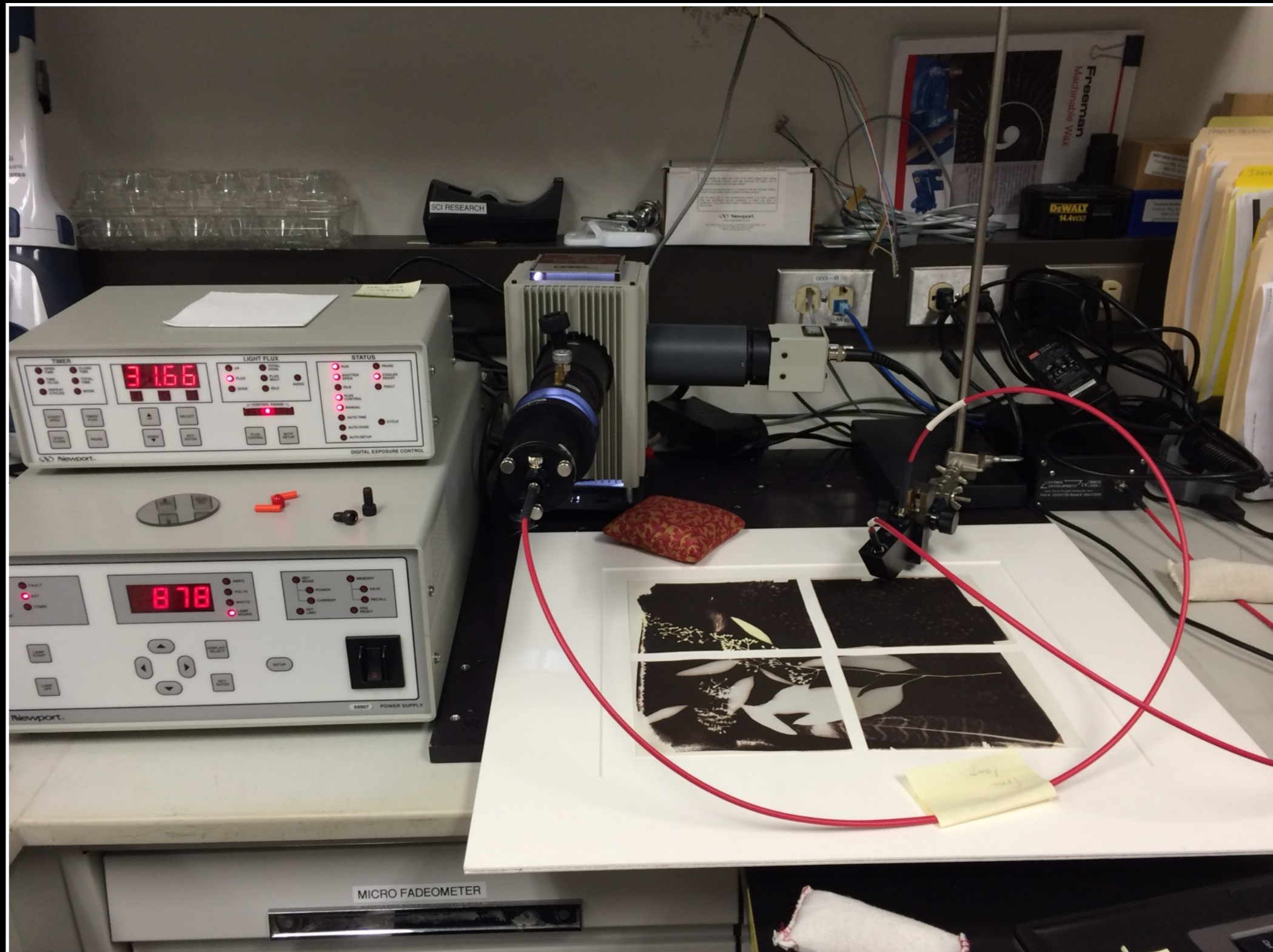
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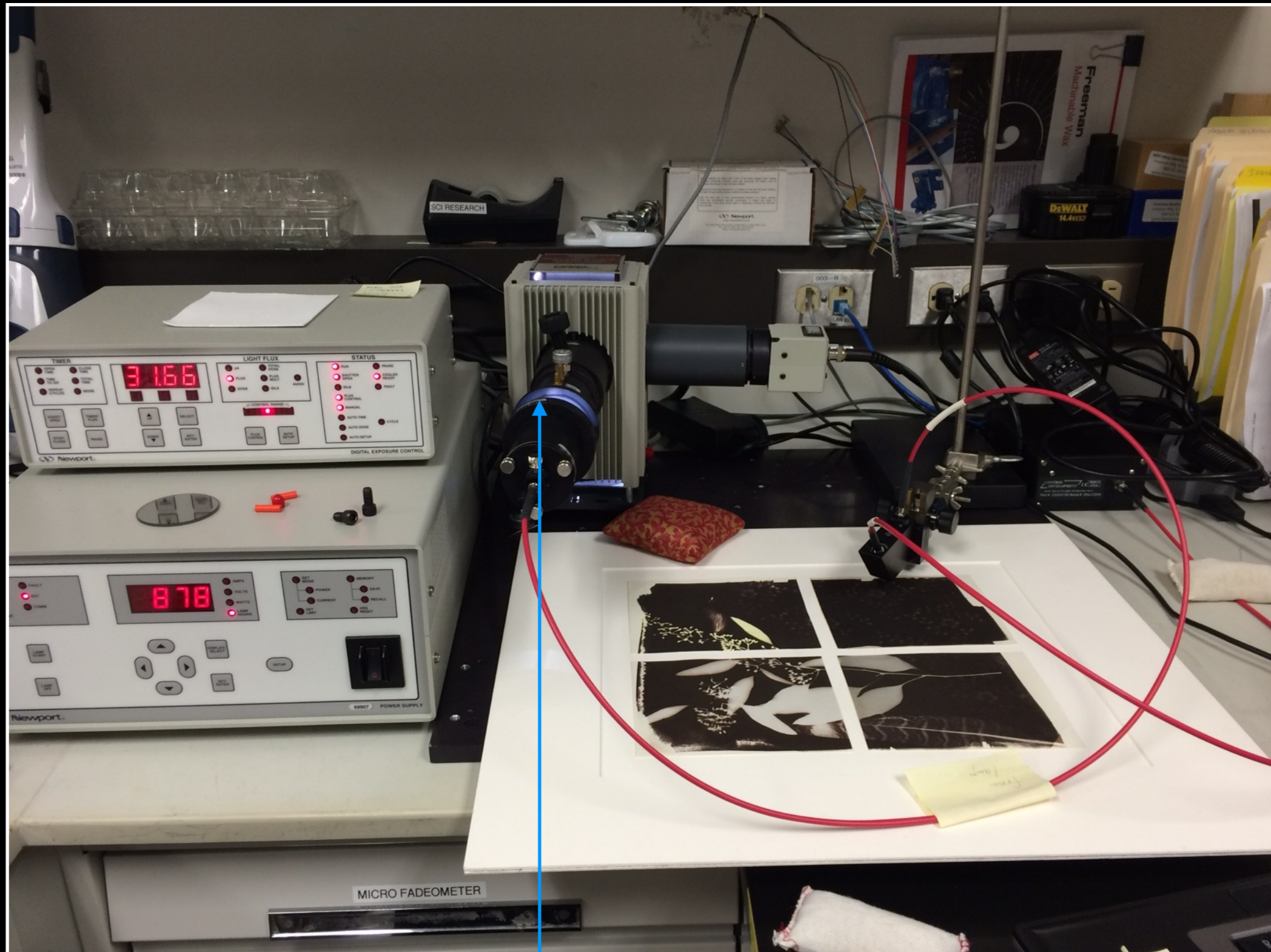
NYU

THE INSTITUTE
OF FINE ARTS

EQUIPMENT AND SET-UP

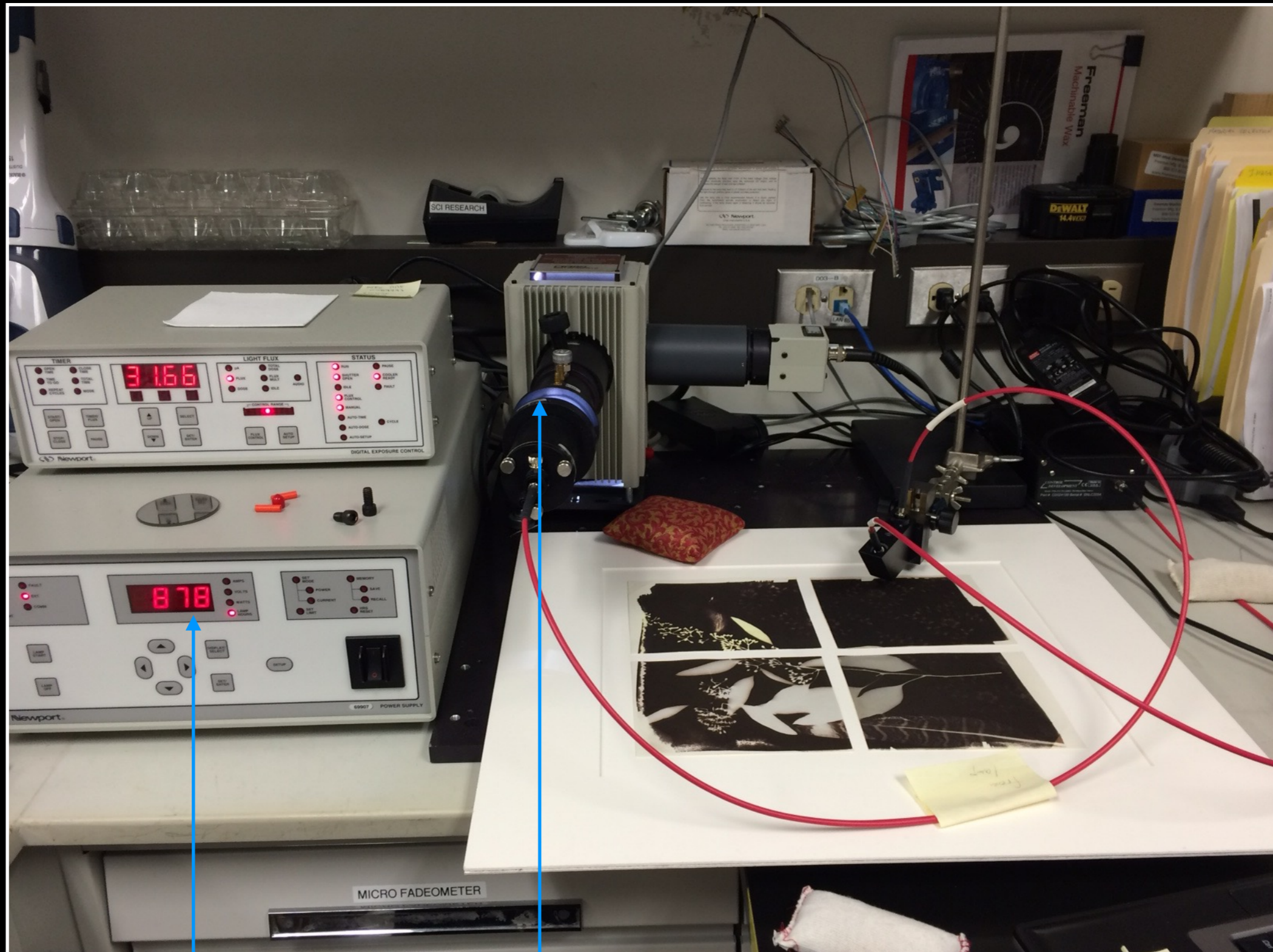


EQUIPMENT AND SET-UP



LAMP HOUSE

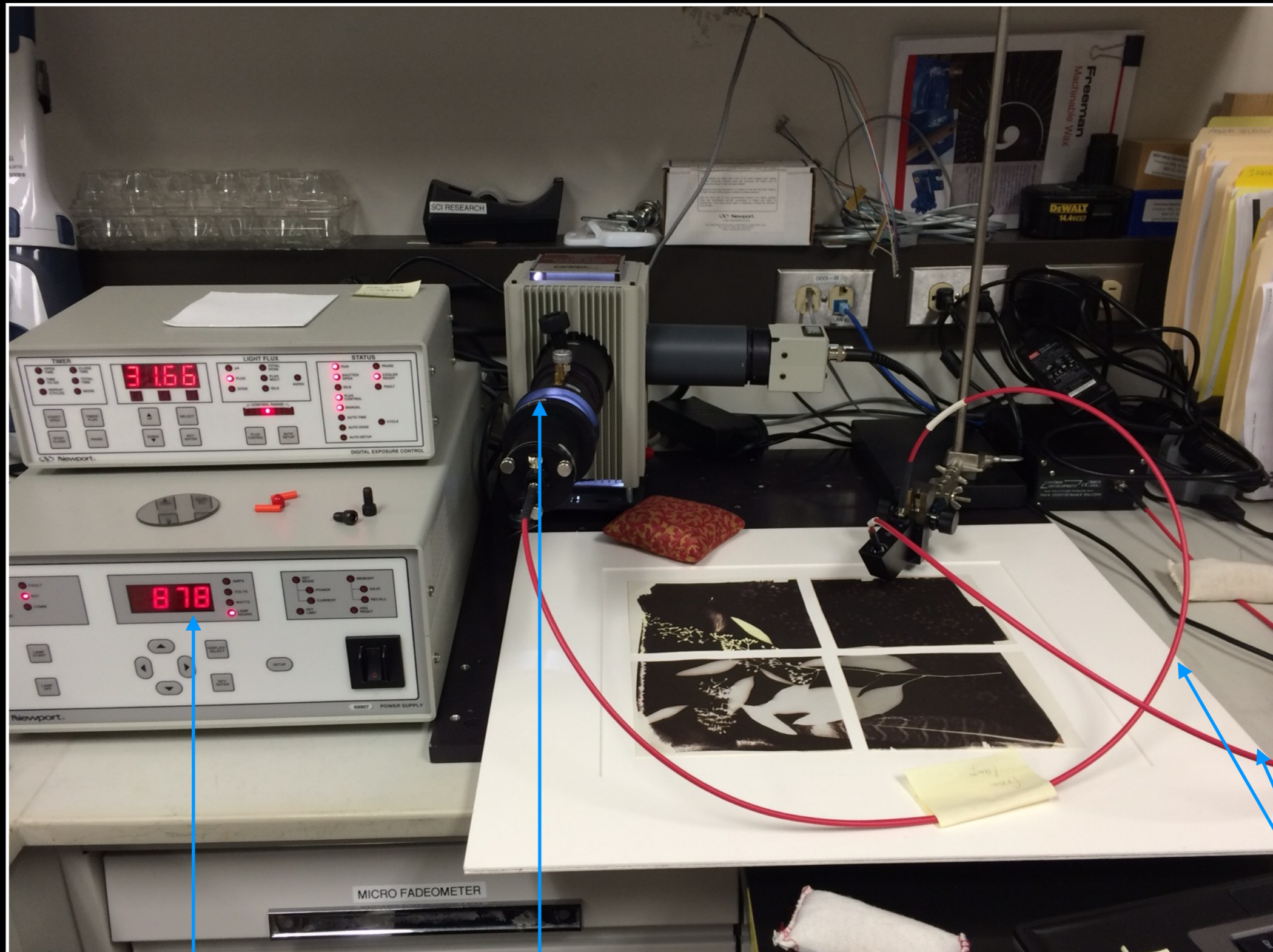
EQUIPMENT AND SET-UP



LAMP CONTROLLER

LAMP HOUSE

EQUIPMENT AND SET-UP

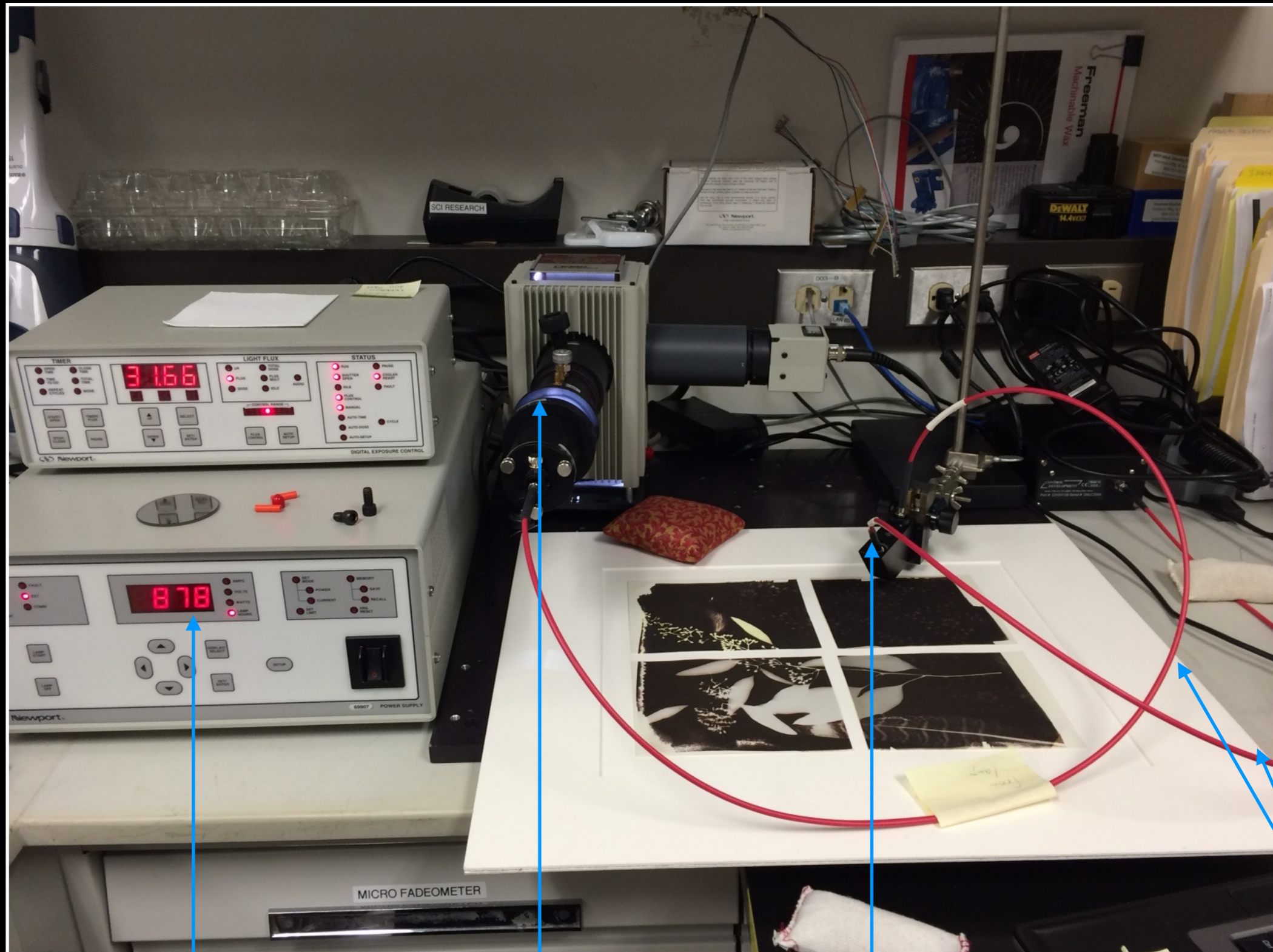


LAMP CONTROLLER

LAMP HOUSE

FIBER OPTIC CABLES

EQUIPMENT AND SET-UP



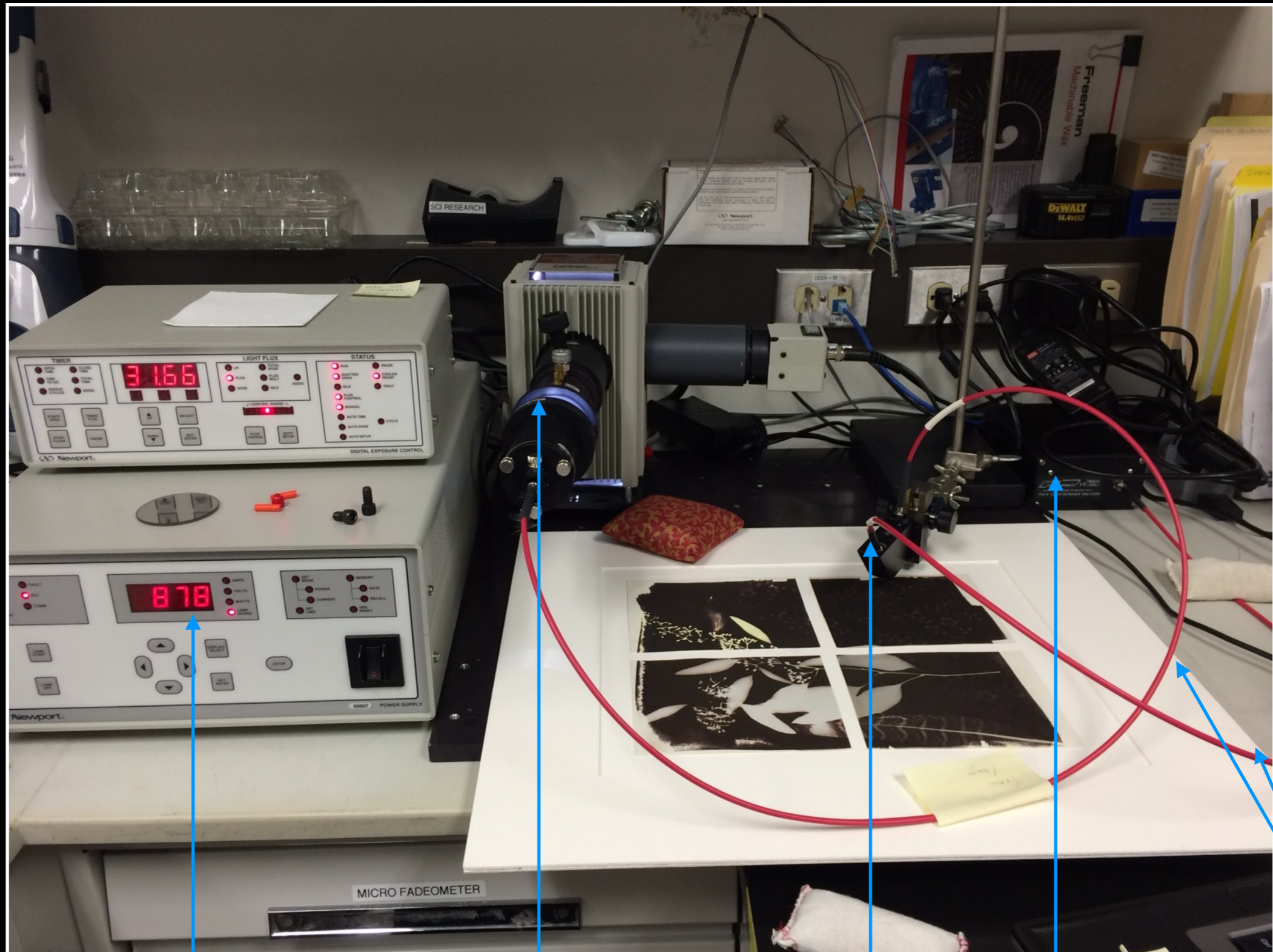
LAMP CONTROLLER

LAMP HOUSE

HEAD

FIBER OPTIC CABLES

EQUIPMENT AND SET-UP



LAMP CONTROLLER

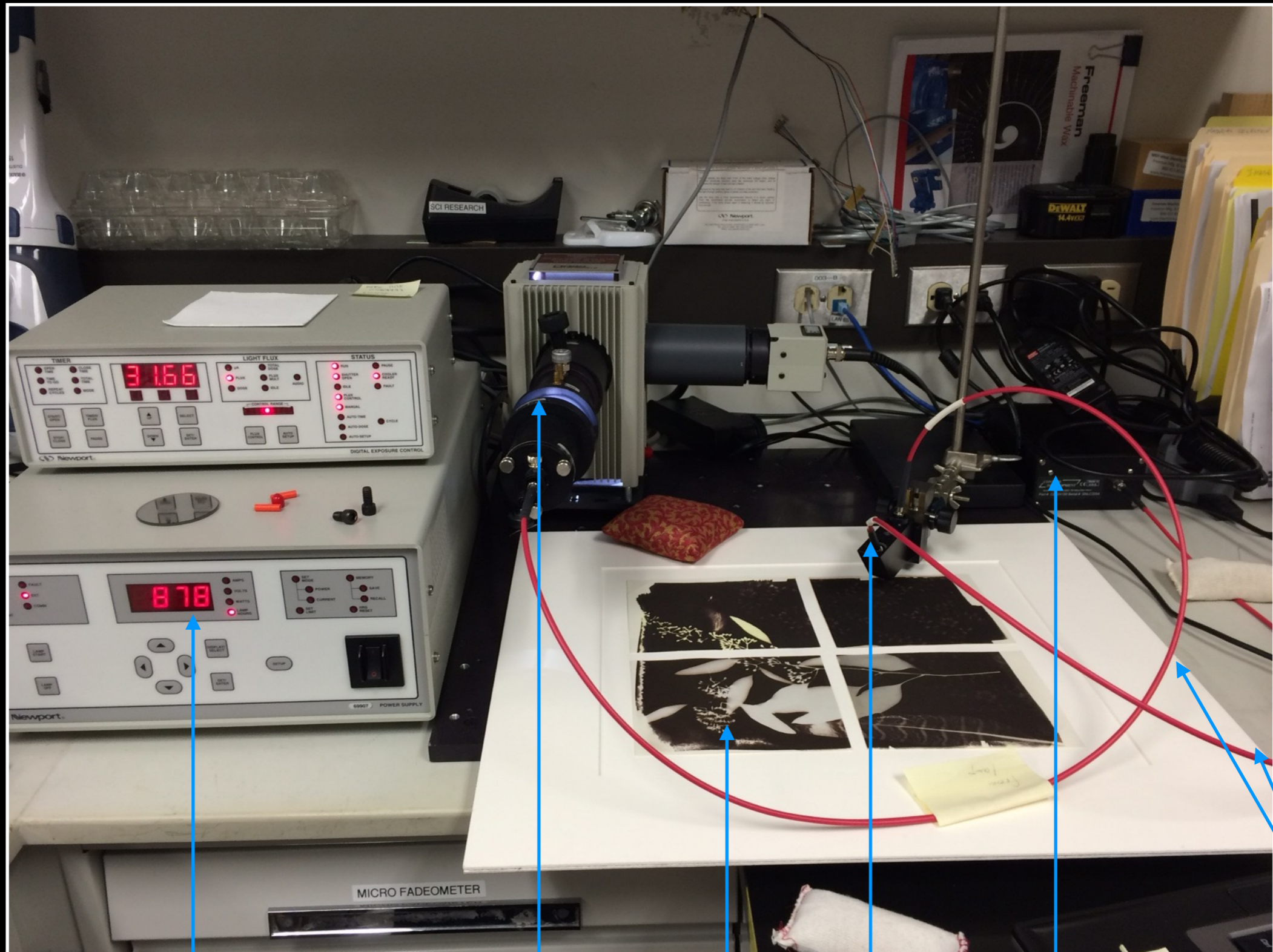
LAMP HOUSE

HEAD

SPECTROPHOTOMETER

FIBER OPTIC CABLES

EQUIPMENT AND SET-UP



LAMP CONTROLLER

LAMP HOUSE

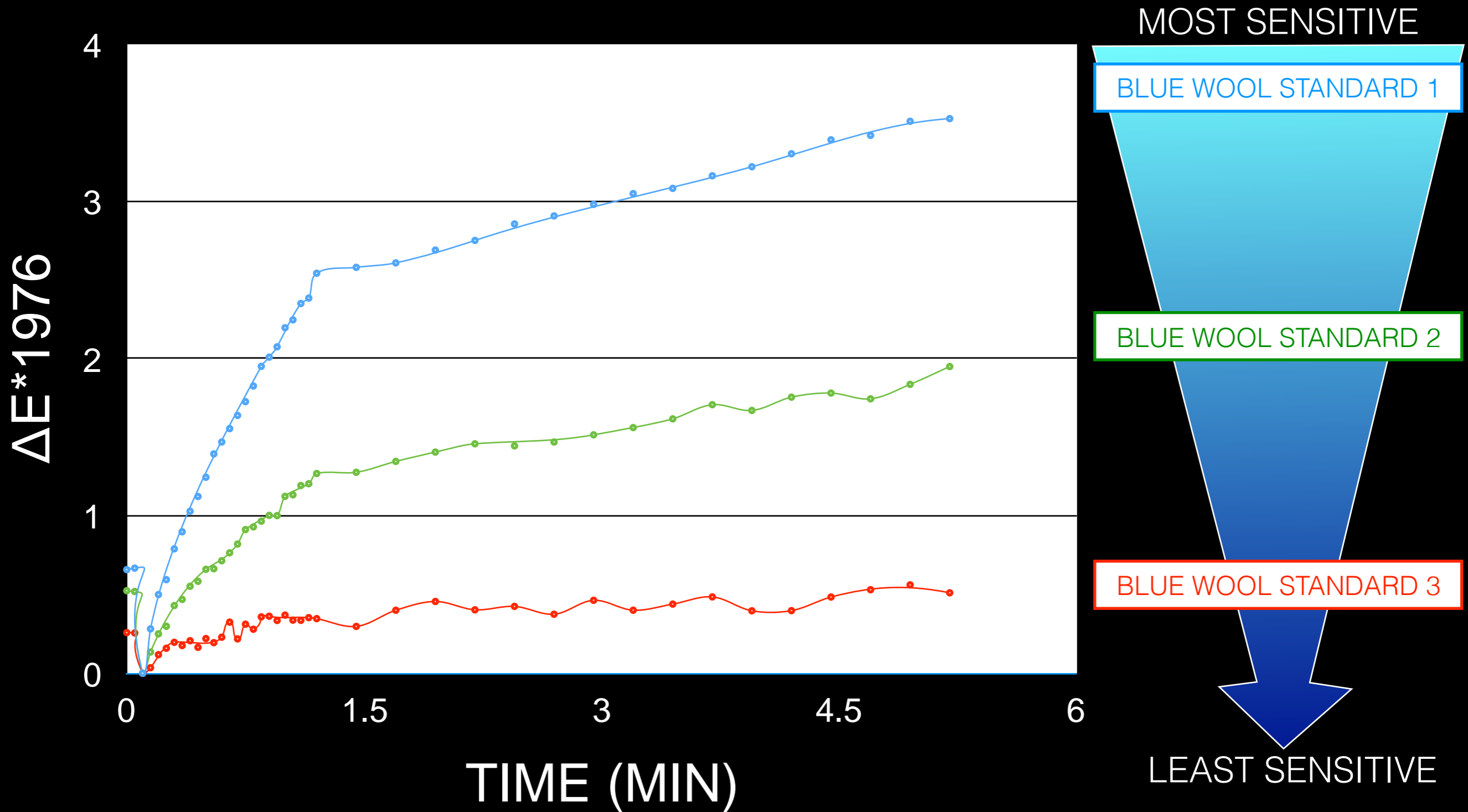
SAMPLE

HEAD

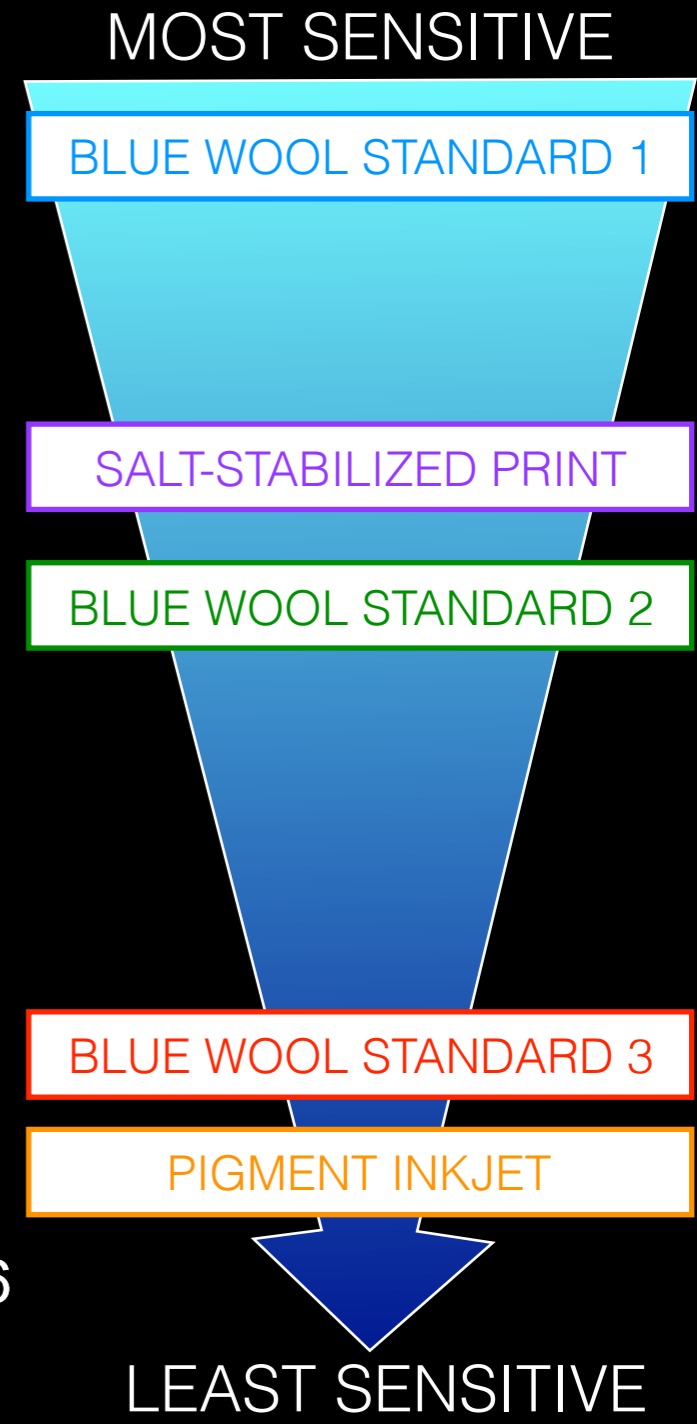
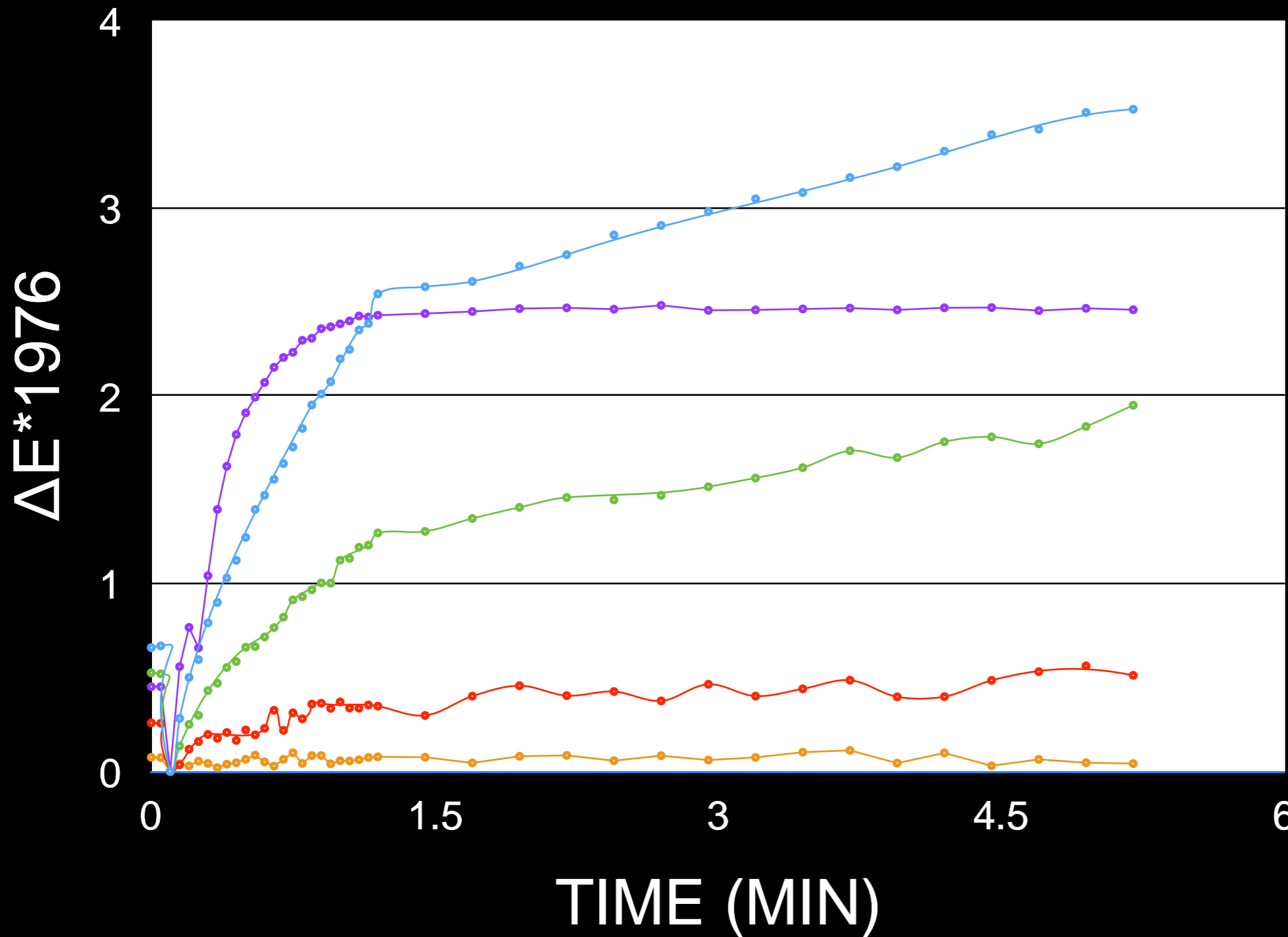
SPECTROPHOTOMETER

FIBER OPTIC CABLES

BLUE WOOL STANDARDS



BLUE WOOL STANDARDS



Silver Dye Bleach

Photo: <http://metmuseum.org/art/collection/search/281940>
© Adam Fuss



Chromogenic

Salted Paper



Photo: <http://metmuseum.org/art/collection/search/266644>

Albumen



Photo: <http://metmuseum.org/art/collection/search/283222>



Silver Gelatin

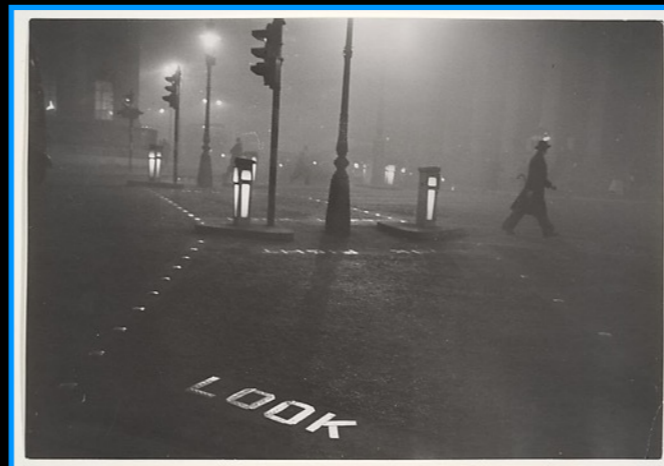


Photo: <http://metmuseum.org/art/collection/search/266444>
© 2005 Robert Frank

Photo: <http://metmuseum.org/art/collection/search/272039>
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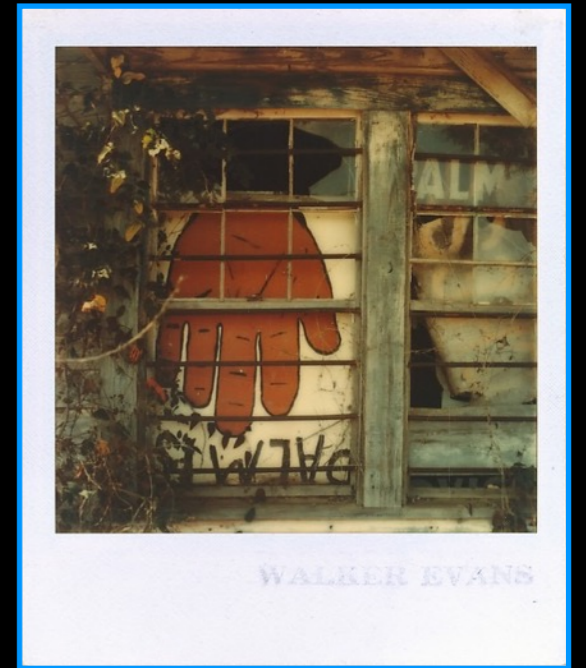


Photo: <http://metmuseum.org/art/collection/search/267363>
© Thomas Struth



Photo: <http://metmuseum.org/art/collection/search/637121>
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Color Instant
Pigment Inkjet

RESULTS

COLOR PROCESSES

PHOTOGRAPHIC PROCESS	RATING	RISK OF COLOR CHANGE
Color Instant Film	>>BWS 1	HIGH RISK
Chromogenic	BWS 2-3	MEDIUM RISK
Silver-Dye-Bleach	BWS 3	LOW RISK
Pigment Inkjet	<BWS 3	LOW RISK

ANALOG, BLACK-AND-WHITE PROCESSES

PHOTOGRAPHIC PROCESS	RATING	RISK OF COLOR CHANGE
Fixed Salted Paper	BWS 3	LOW RISK
Salt-Stabilized Salted Paper Print (KI)	BWS 1-2	MEDIUM-HIGH RISK
Salt-Stabilized Salted Paper Print (NaCl)	BWS 2-3	MEDIUM RISK
Salt-Stabilized Salted Paper Print (KBr)	BWS 2-3	MEDIUM RISK
Silver Gelatin DOP (well-processed)	BWS 2-3	MEDIUM RISK
Silver Gelatin DOP (poorly-processed)	BWS 1-2	MEDIUM-HIGH RISK
Albumen (good condition)	BWS 2-3	MEDIUM RISK
Albumen (deteriorated)	<BWS 3	LOW RISK

Many thanks to:

Katie Sanderson, Assistant Conservator, The Department of Photograph Conservation at The Metropolitan Museum of Art ·
The Department of Scientific Research at The Metropolitan Museum of Art · Hannelore Roemich · Steve Weintraub

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