

Analog & Electronic Material Explorations

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Experimental Visualization Lab

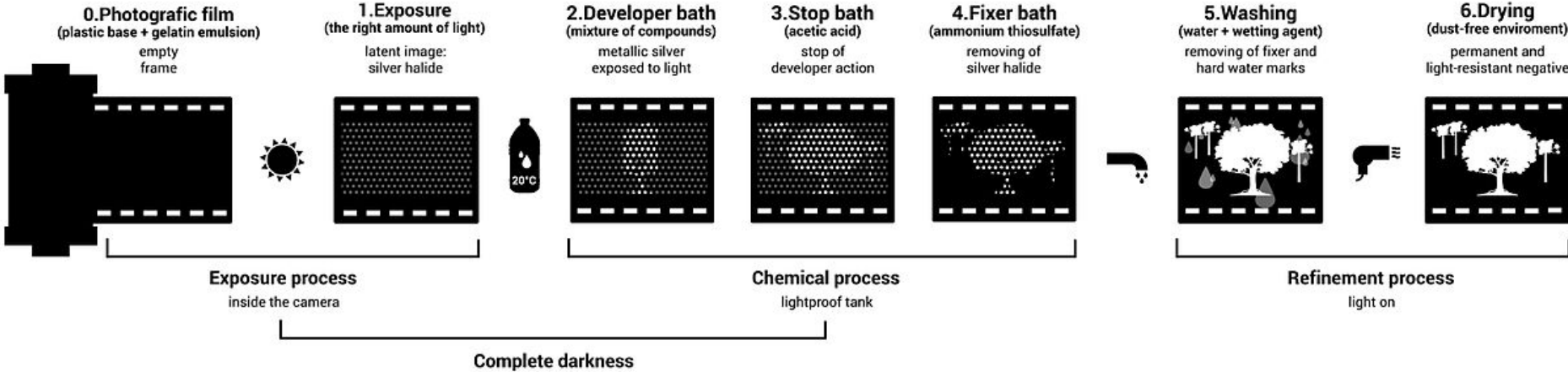
Media Arts & Technology

University of California, Santa Barbara

Analog & Digital Material Explorations & Experiments

- **To what degree does the materiality of the image substrate impact on the content that it carries?**
- **Chemical-based photography, a two-part process:**
 - 1) **Transparent substrate (film) coated with a chemical is exposed to light resulting in a negative image which is chemically developed and fixed**
 - 2) **The film is placed on top of a paper coated with chemicals. Light passing through the film exposes the areas not blocked by the negative. The paper is then developed in a chemical solution, and also fixed**
- **Electronic-based image requires physical display**

Chemical-based photographic process



“The Haystack”, Henry Fox Talbot (1844) Salted paper print



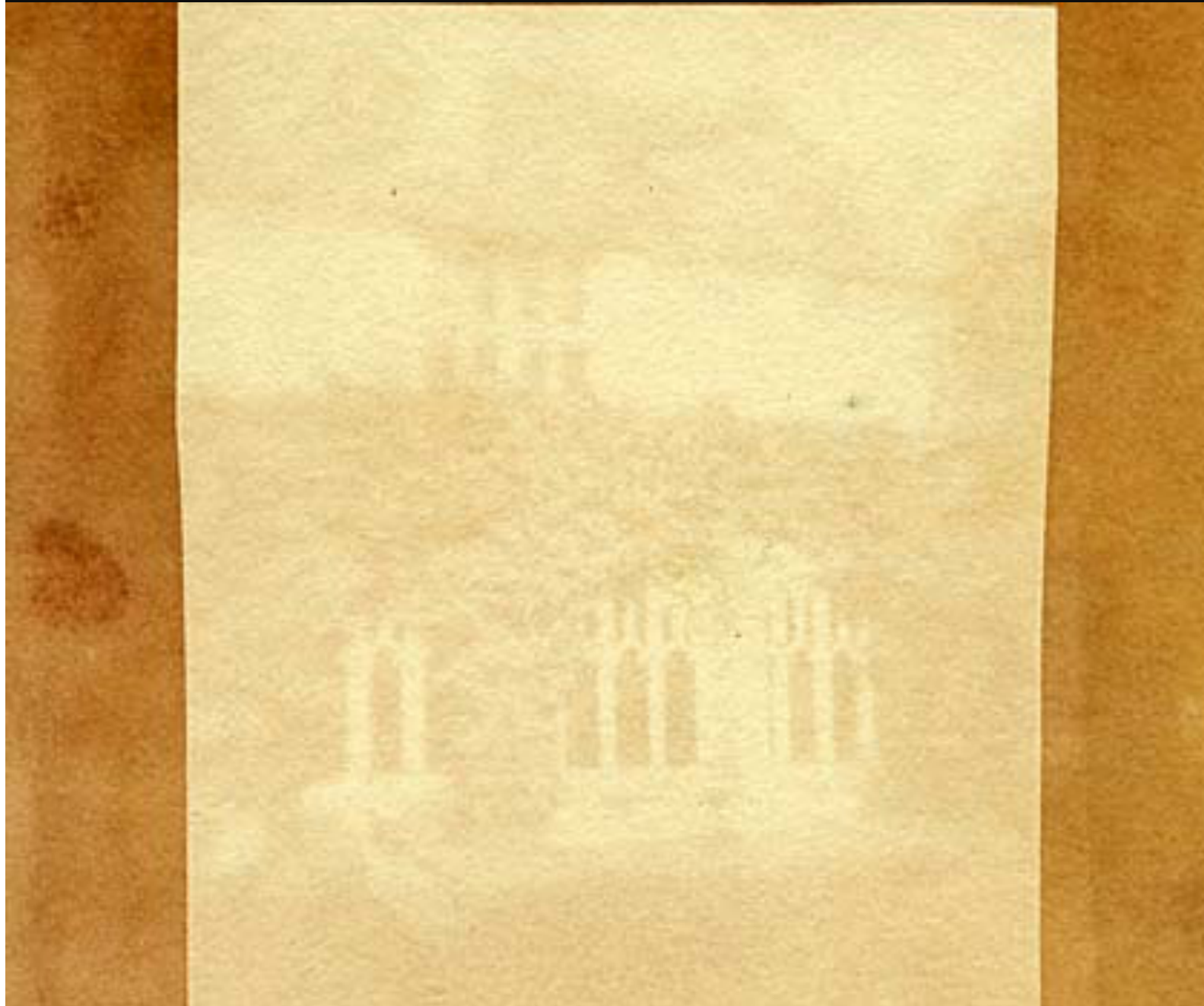
<https://www.gallery.ca/collection/artwork/the-haystack>

“Wild Fennel”, Henry Fox Talbot (1841) Salted paper print



<https://www.metmuseum.org/art/collection/search/285922>

“Wild Fennel”, Henry Fox Talbot (1841) Salted paper print



<https://www.culture24.org.uk/art/photography-and-film/art446200>

“Stones”, Gold toned printing out paper, Linda Connor (1991)



<https://www.ggibsonprojects.com/series/linda-connor-contact-prints/>

“Vishnu & Consort”, Gold toned printing out paper, Linda Connor (2000)



<https://www.candelagallery.com/continuum>

Under the hood of an 8 x 10 camera



<https://www.flickr.com/photos/mustanir/13786100935>

“Mourning Wall”, Ellen Carey (2000)



<http://www.ellencareyphotography.com/mourning-wall>

“Photography Degree Zero”, Ellen Carey (1996-2019)



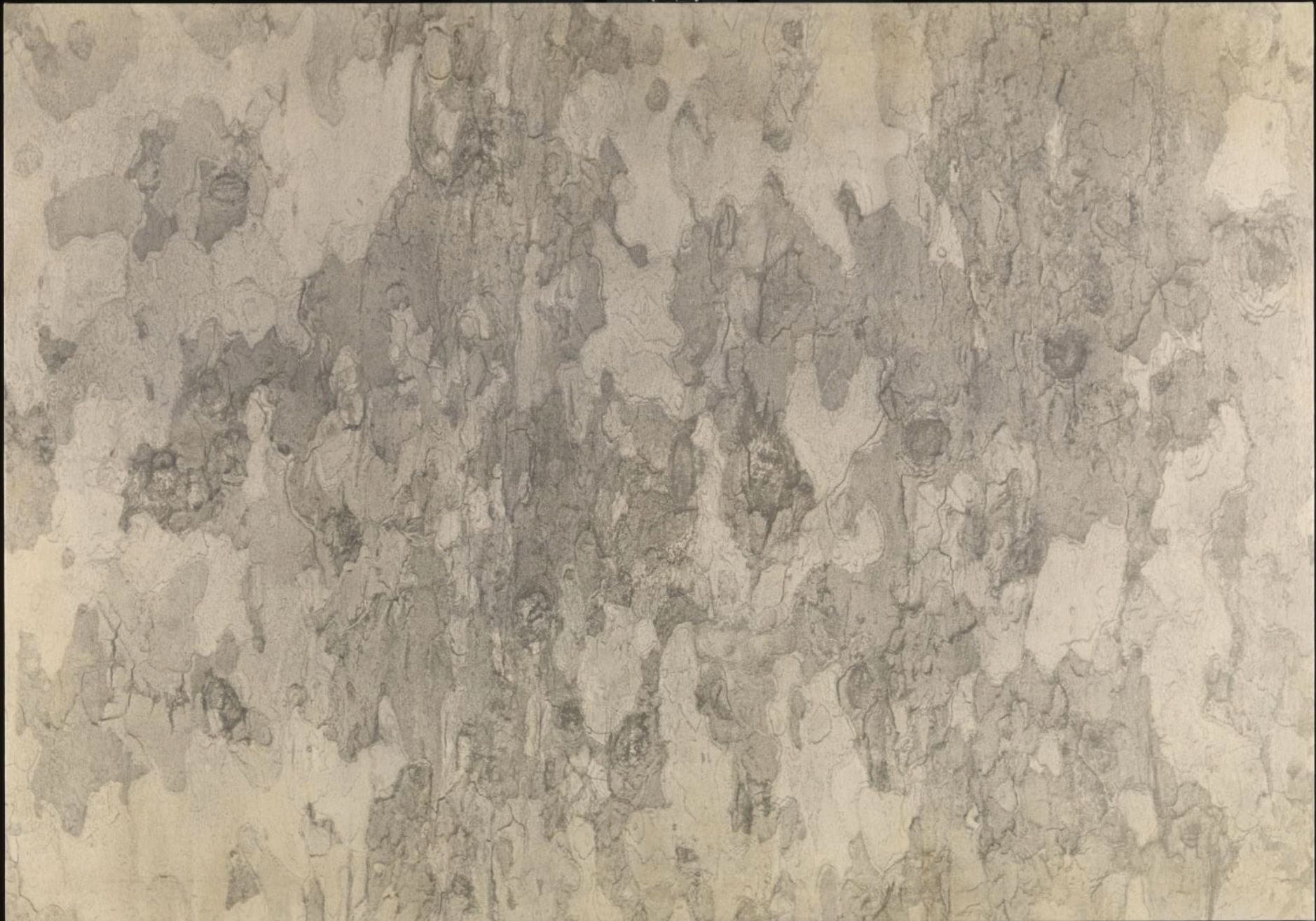
<http://www.ellencareyphotography.com/photography-degree-zero>

“Smoke”, Rayograph, Man Ray (1928)



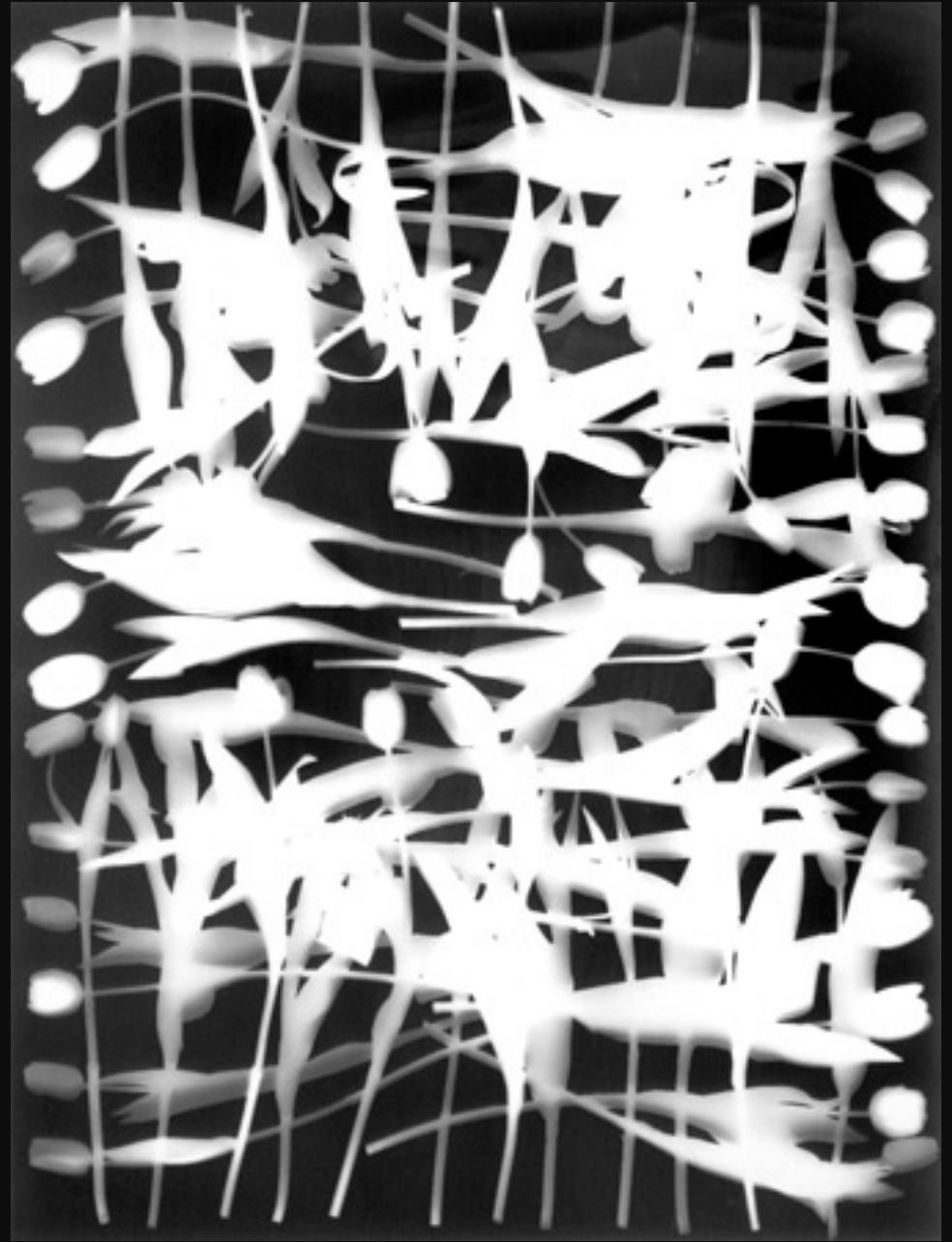
<http://www.getty.edu/art/collection/objects/46842/man-ray-abstract-smoke-american-1928/>

“Tree Trunk Bark Tree”, Photogram, Kunié Sugiura (1971)



<https://www.tate.org.uk/art/artists/kunie-sugiura-24228>

“After Electric Dance” (2002), “Stack”, Kunié Sugiura (1999)



“Jackson Pollock”, Hans Namuth (1950), Vic Muniz (1997)



https://www.moma.org/explore/inside_out/2009/11/12/vik-muniz-painting-with-chocolate/

“Valicia”, “New Car”, Vic Muniz (1996. 2014)



“Attracted to Light”, StarnTwins (1996-2004)



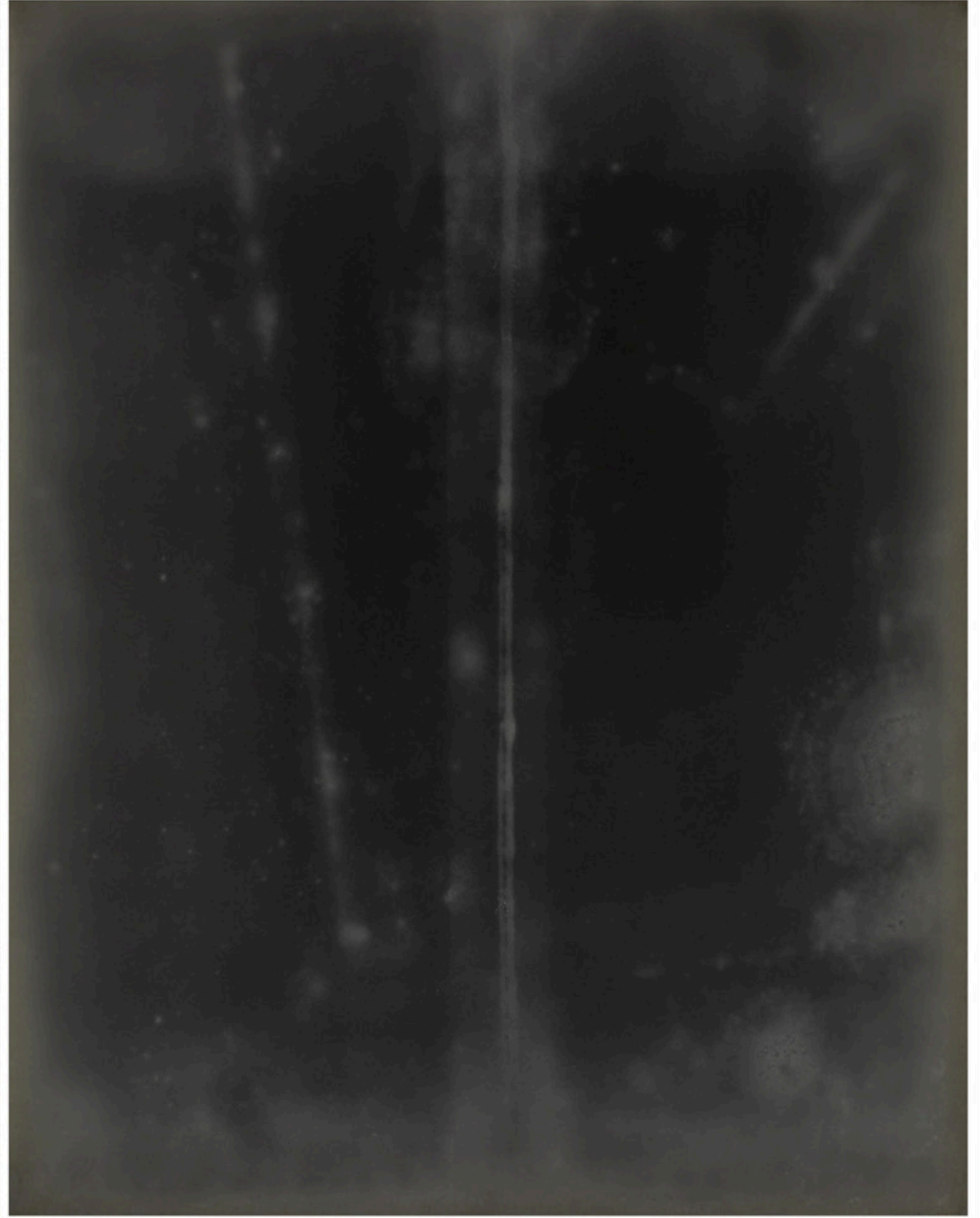
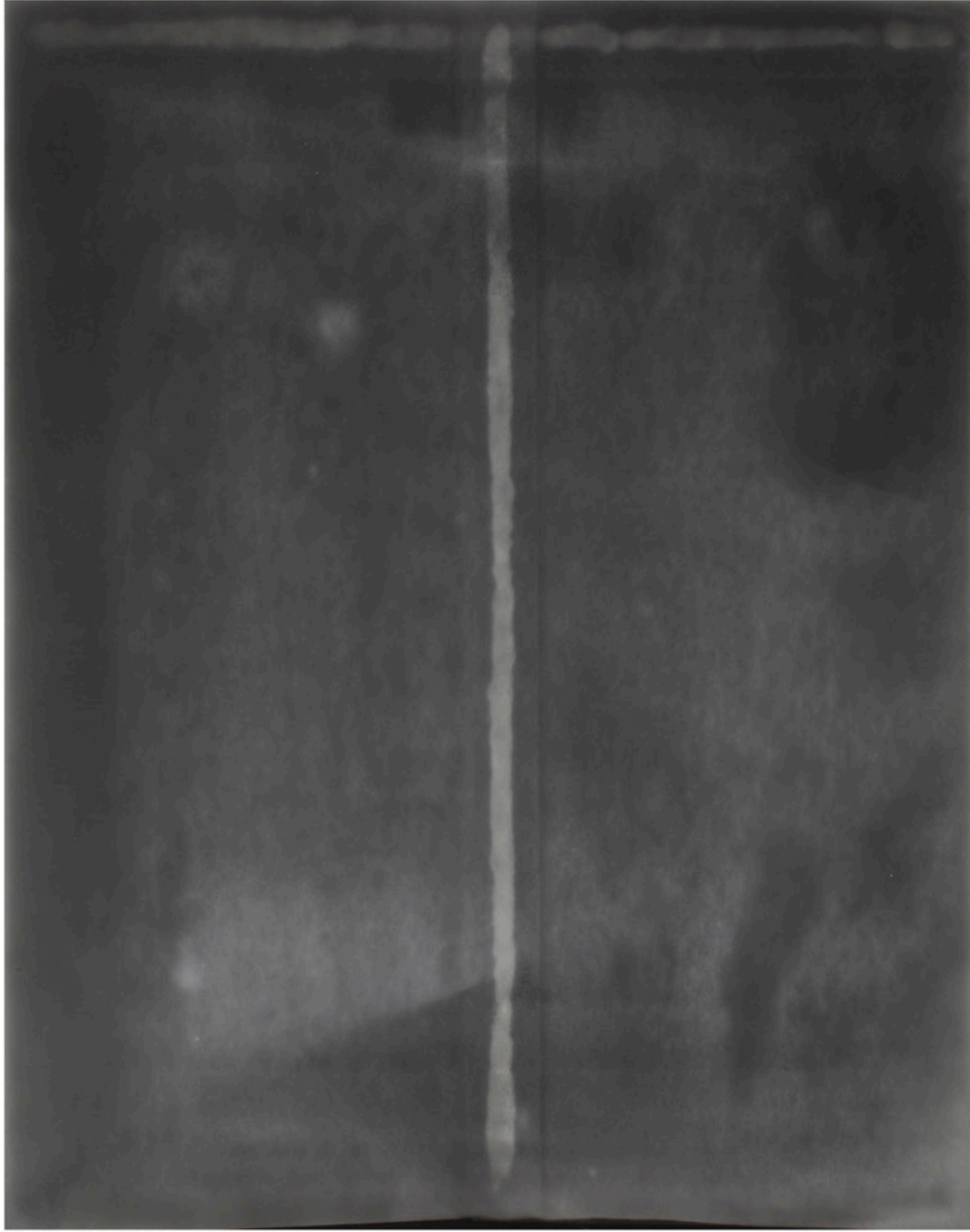
http://www.dmstarn.com/attracted_to_light.html

“Attracted to Light”, StarnTwins (1996-2004)



https://www.google.com/search?q=starn+twins+photography+techniques&source=Inms&tbm=isch&sa=X&ved=2ahUKewjziJHjpsLsAhWICjQIHVfVBWEQ_AUoAXoECA4QAw&biw=1595&bih=1162#imgcr=H1okANSkySU2M

Allison Rossiter



<https://yossimilo.com/artists/alison-rossiter/works>

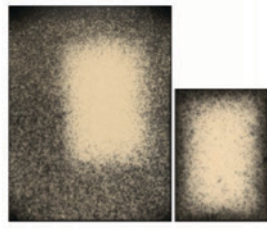
Allison Rossiter



Gevaert Gevaluxe Velours, exact expiration date unknown, ca. 1930s, processed 2020 (#2)



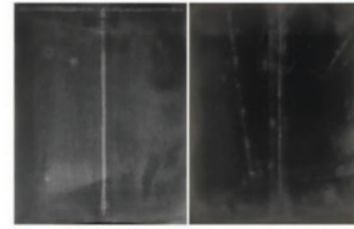
Gevaert Gevaluxe Velours, exact expiration date unknown, ca. 1930s, processed 2020 (#3)



Density 1930s,



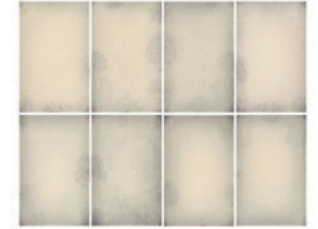
Density 1928, 1929



Density 1941, 1945



Density 1947



Density 1919



Density 1935, 1937, 1938



Density 1937-1939



Density 1930-1933



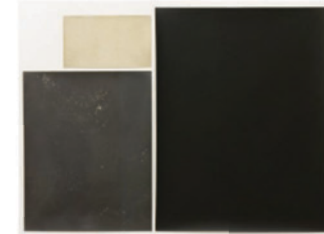
Density 1921, 1922, 1923



Density 1922-1923



Density 1930s (Gevaert Gevaluxe Velours)



Density 1928-30



Density 1919-1922



Density 1942, 1943



Density 1929



Density 1936



Density 1922



Density 1942, 1946



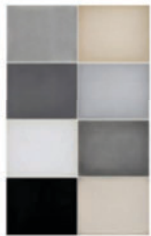
Density



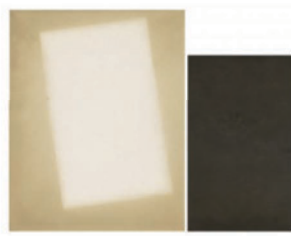
Density 1948



Density 1941-1945



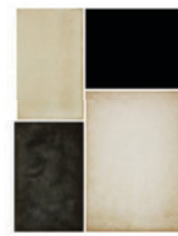
Density 1938 - 1945



Density 1922



Density 1919-1923 (#1)



Density 1924, 1925, 1926, 1928

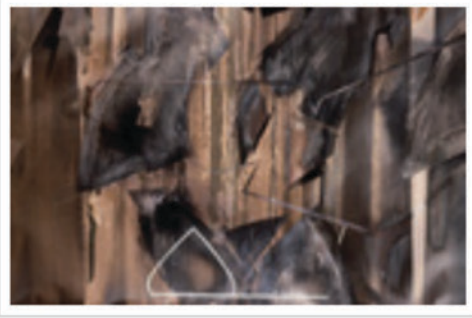
Susan Rankaitis



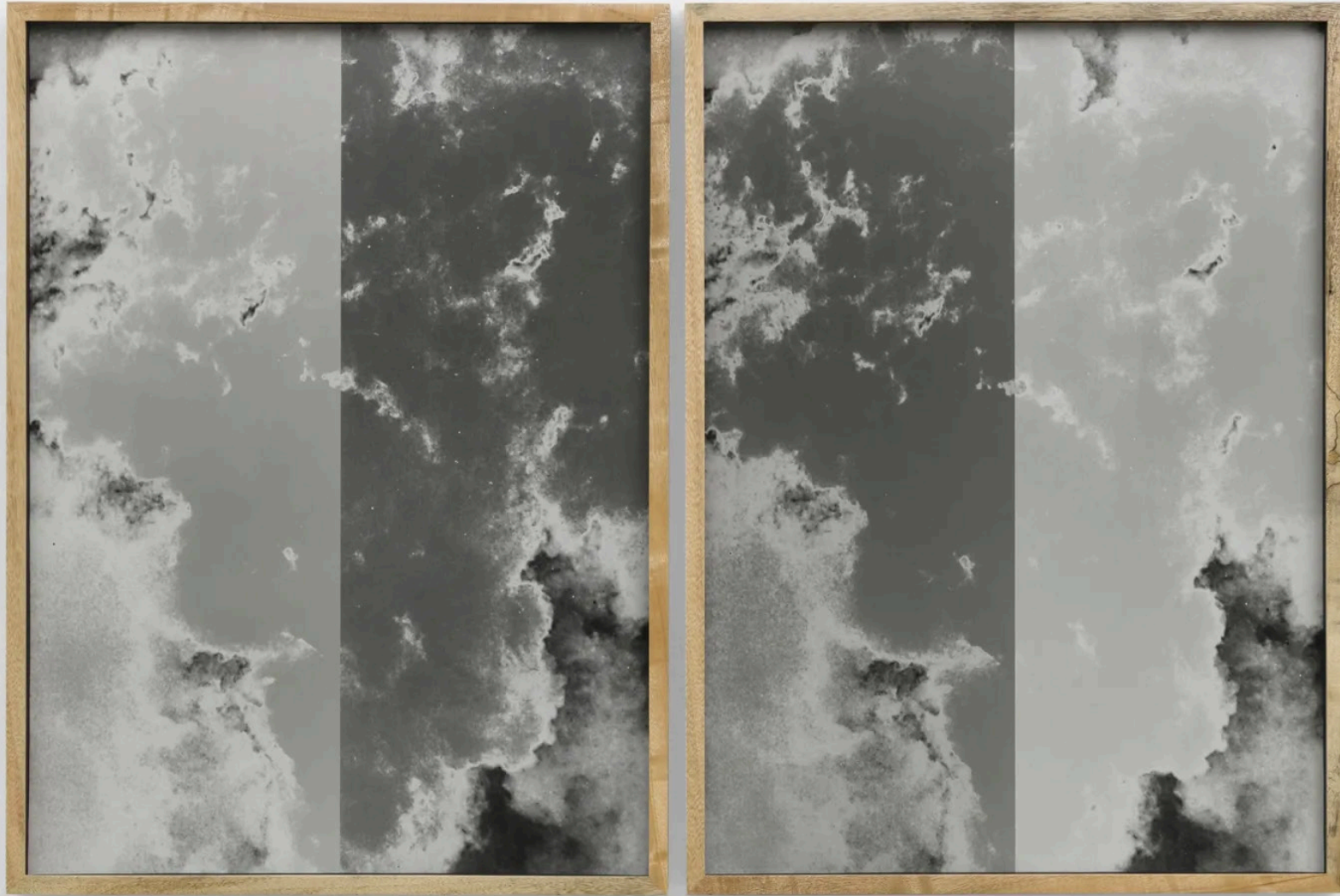
CT #2, 2011. Combined media on photographic paper, 42" x 57"

<https://susanrankaitis.com/Portfolio/2009-Present/2/caption>

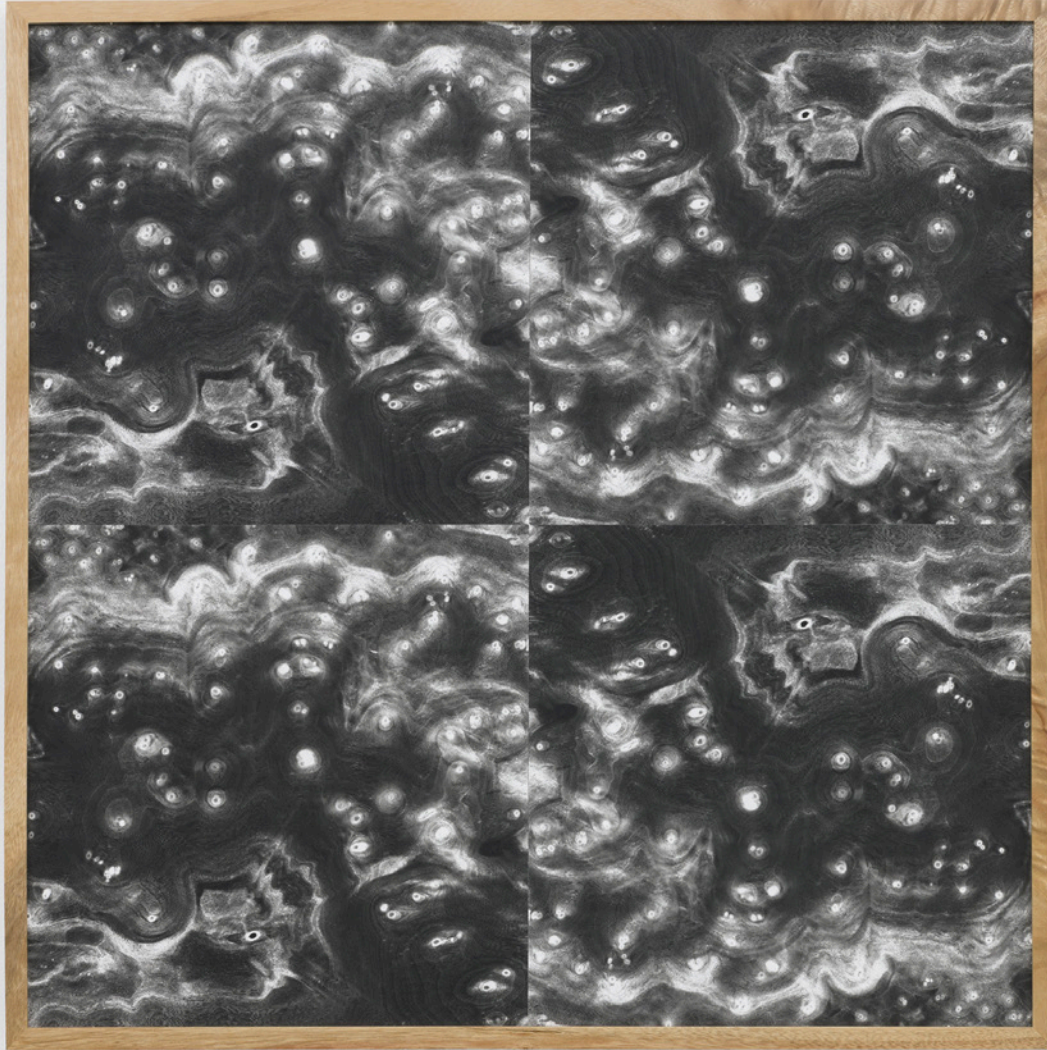
Susan Rankaitis



“Nitrate Film Vault Test”, Lisa Oppenheim (2020)



“Nitrate Film Vault Test”, Lisa Oppenheim (2020)



Matthew Brandt



<https://yossimilo.com/artists/matthew-brandt/works>

Matthew Brandt



AgXMH821A



Pine Barrens 5544



Pine Barrens 7332



Lewis Lake WY 1



Rainbow Lake, WY 6



Heidelberg Blanket
C2 (Damiani Editore,
Faenza, Italy)



Heidelberg Blanket
M2 (Damiani Editore,
Faenza, Italy)



Sgr A* C



Milky Way G6A



Upper Falls C2M1Y1



Stepping Stone Falls
1 Y3M3C1



Stepping Stone Falls
2 Y3M2C1



Stepping Stone Falls
3 Y3M1C2



RB1



Wai'anae 72401



Wai'anae 1207210



Wai'anae 603623



La Brea D1AB



La Brea D2EF1



La Brea B11



3984846u1, Tenement
Row; Demolition Site,
1936



00075328-2, L.A.
Churches, First Christian
Church, 1961

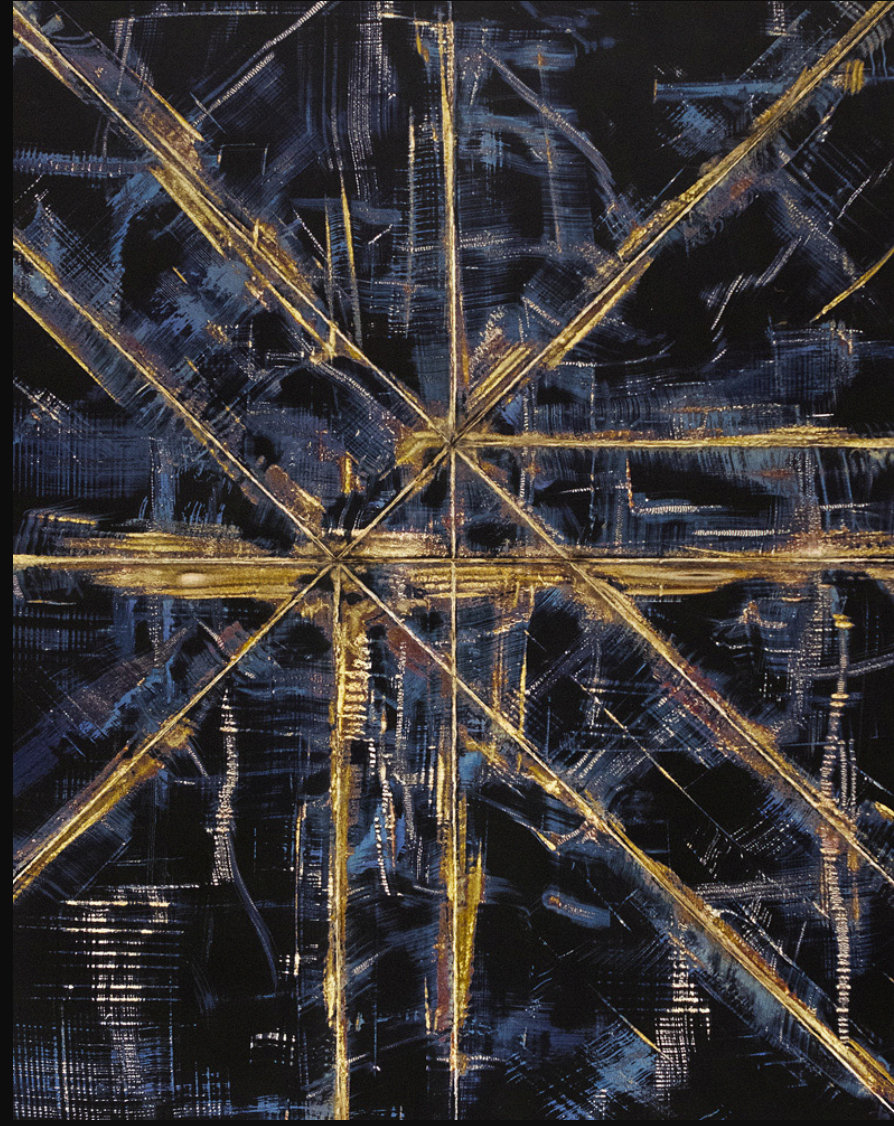
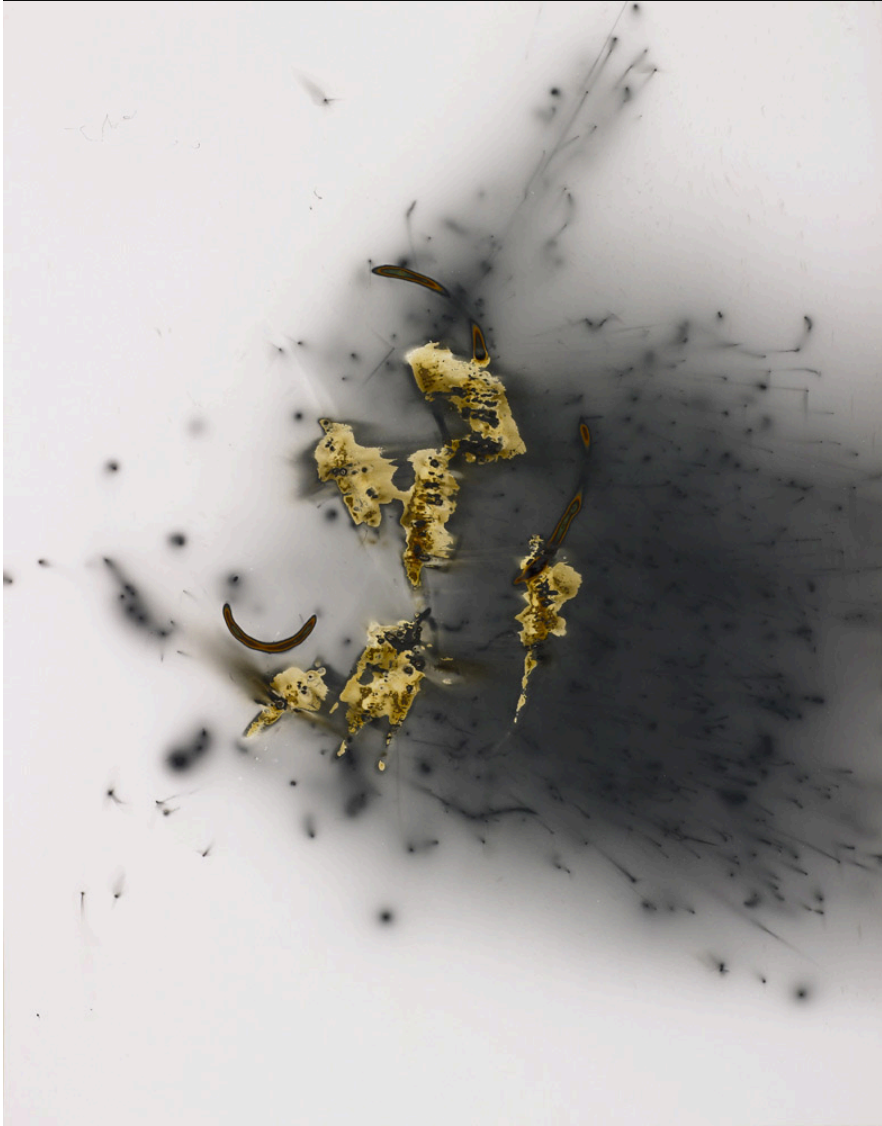


'A Testament, Stack
Up in Boston's
Copley Square to
Honor Victims of the
Marathon Attack,'



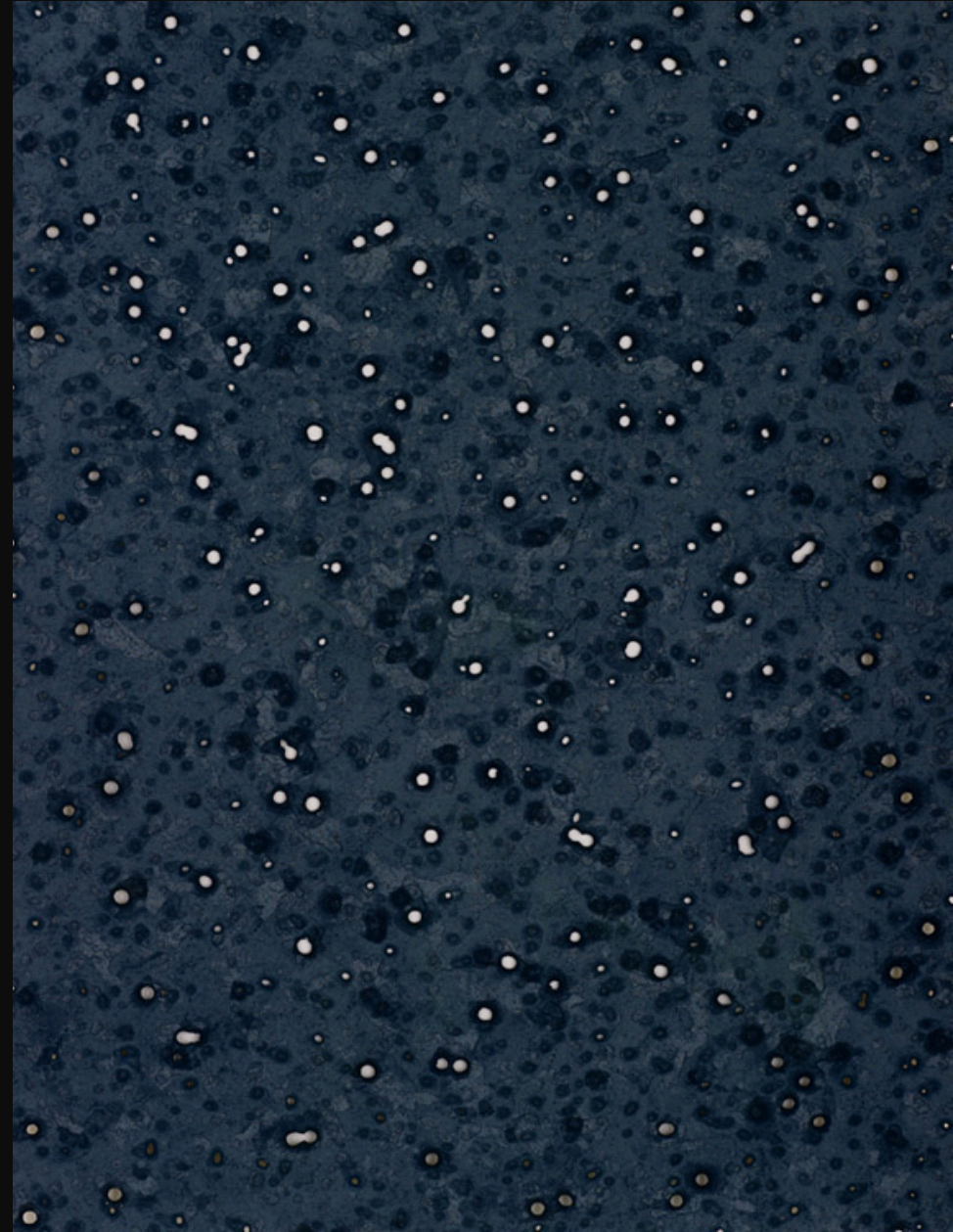
'One Option for Flu
Vaccination is a
Standard Shot,' L.A.
Times 09.29.2014

Marco Breuer

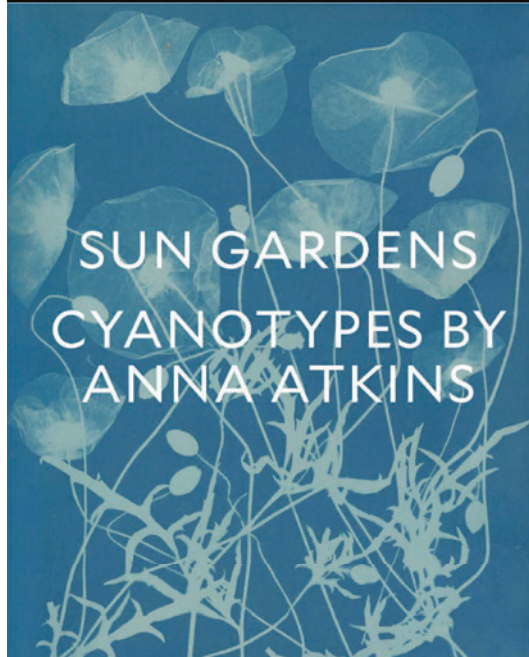


Gelatin Silver, burned, (1995), Chromogenic paper, folded/burned (2013)

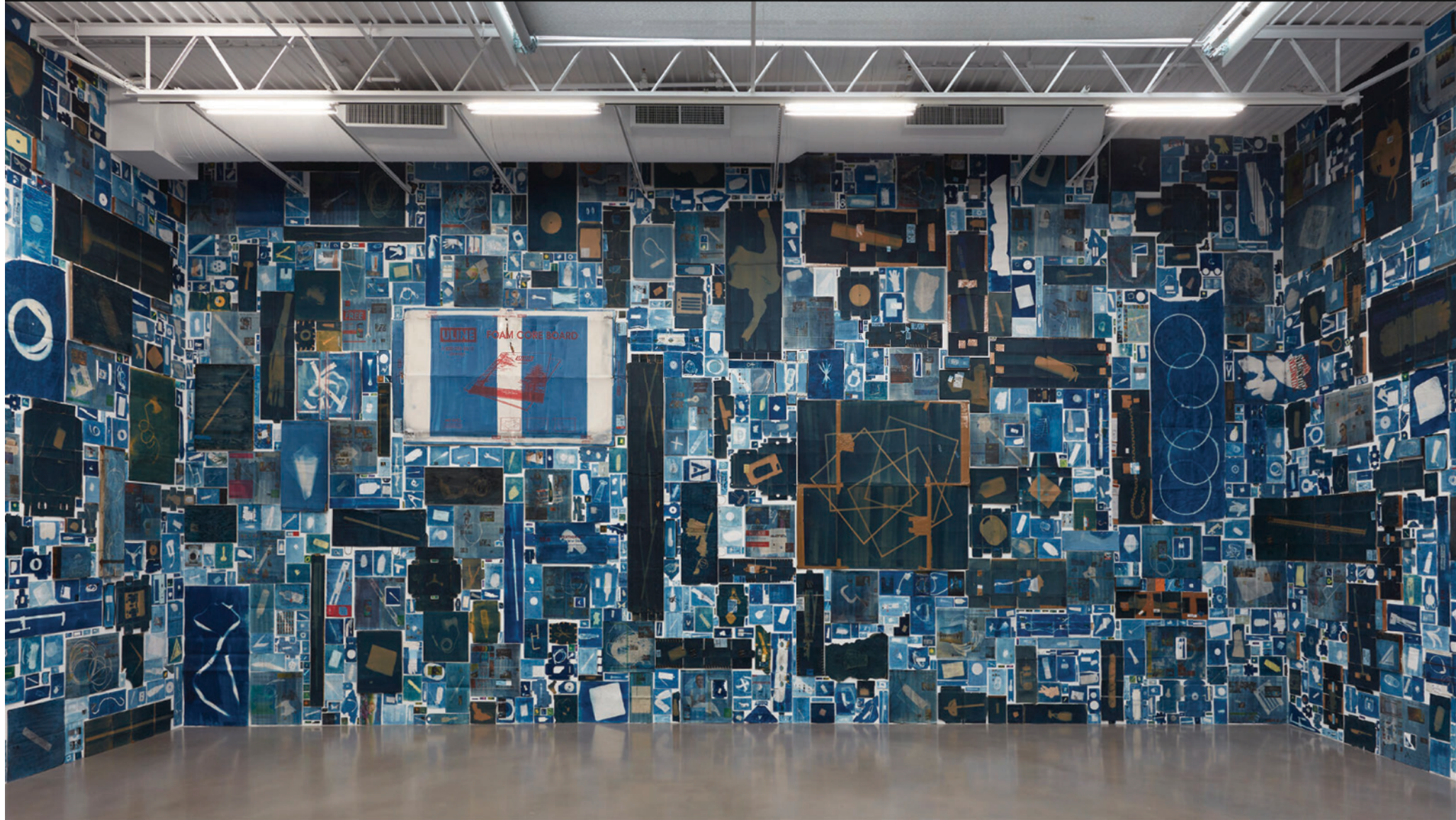
“E-33”, Cyanotype, “E-87”, Gum Bichromate, Marco Breuer (2005)



Cyanotype photographs of plants - Scientific Applications



“Abstract of A Partial Disassembling”, Cyanotypes, Walead Beshty (2019)

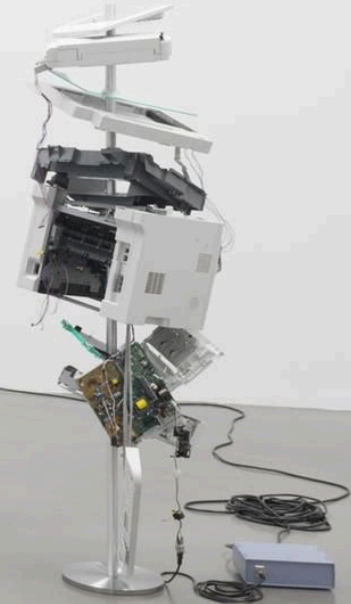
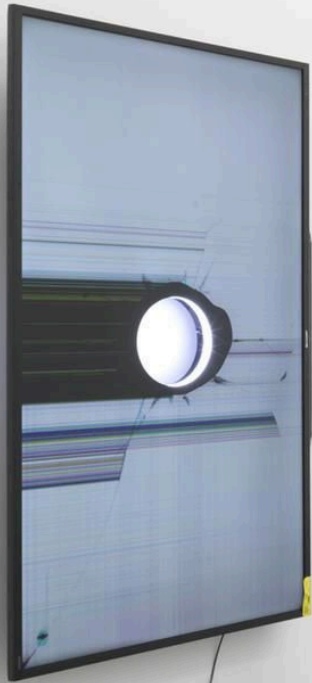


<https://www.actionstakenunderthefictitiousnamewaleadbeshtystudiosinc.com/abstract-of-a-partial-disassembling-of-an-invention-without-a-future-petzel-2019>

“Picture Made By My Hand with the Assistance of Light”, Walead Beshty (2006)



“Open Source”, Walead Beshty (2017)



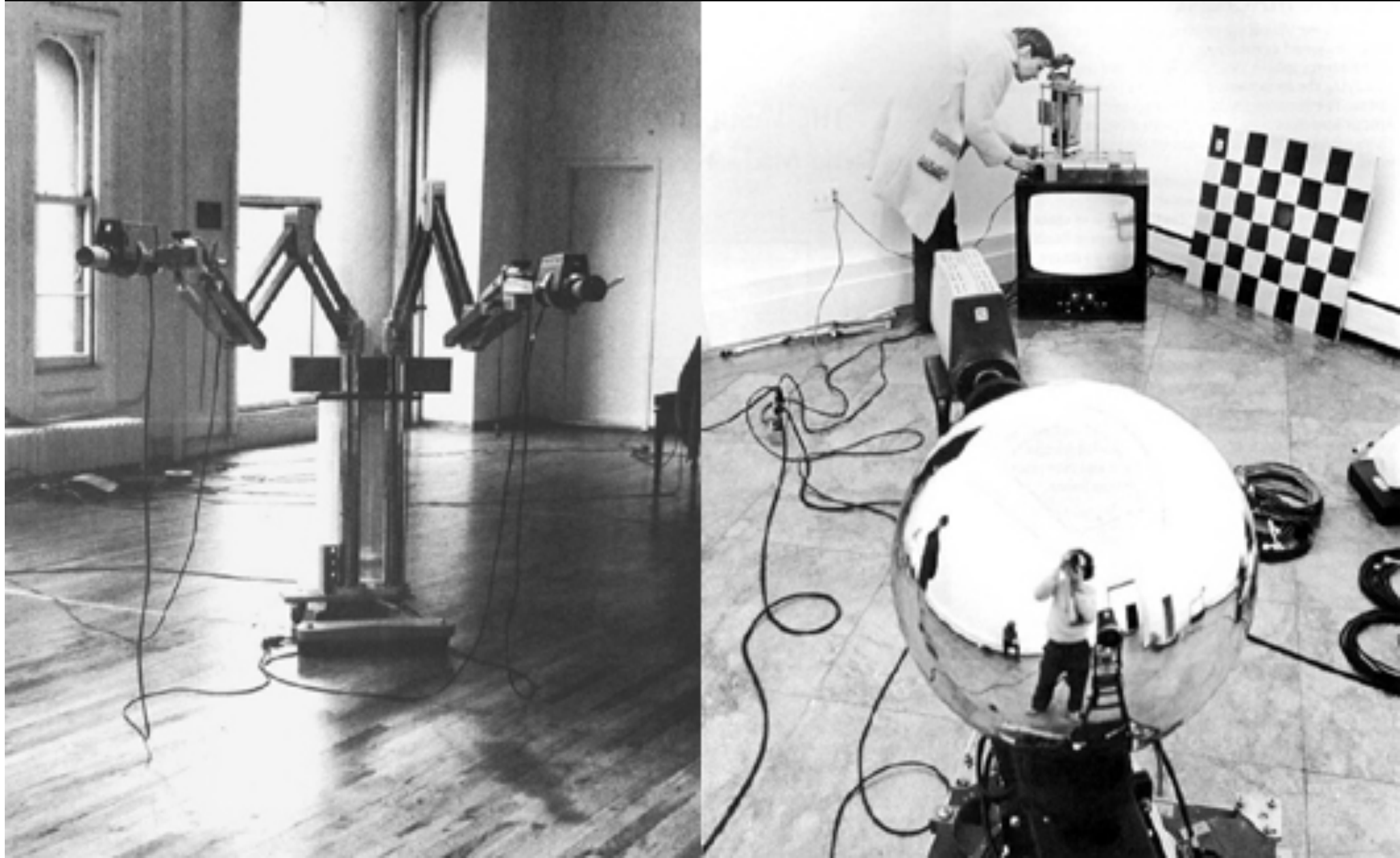
“Picture Industry: A Provisional History....”, Walead Beshty (2018)



Woody Vasulka (2014)



Steina Vasulka (1994)



Nam June Paik (2014)



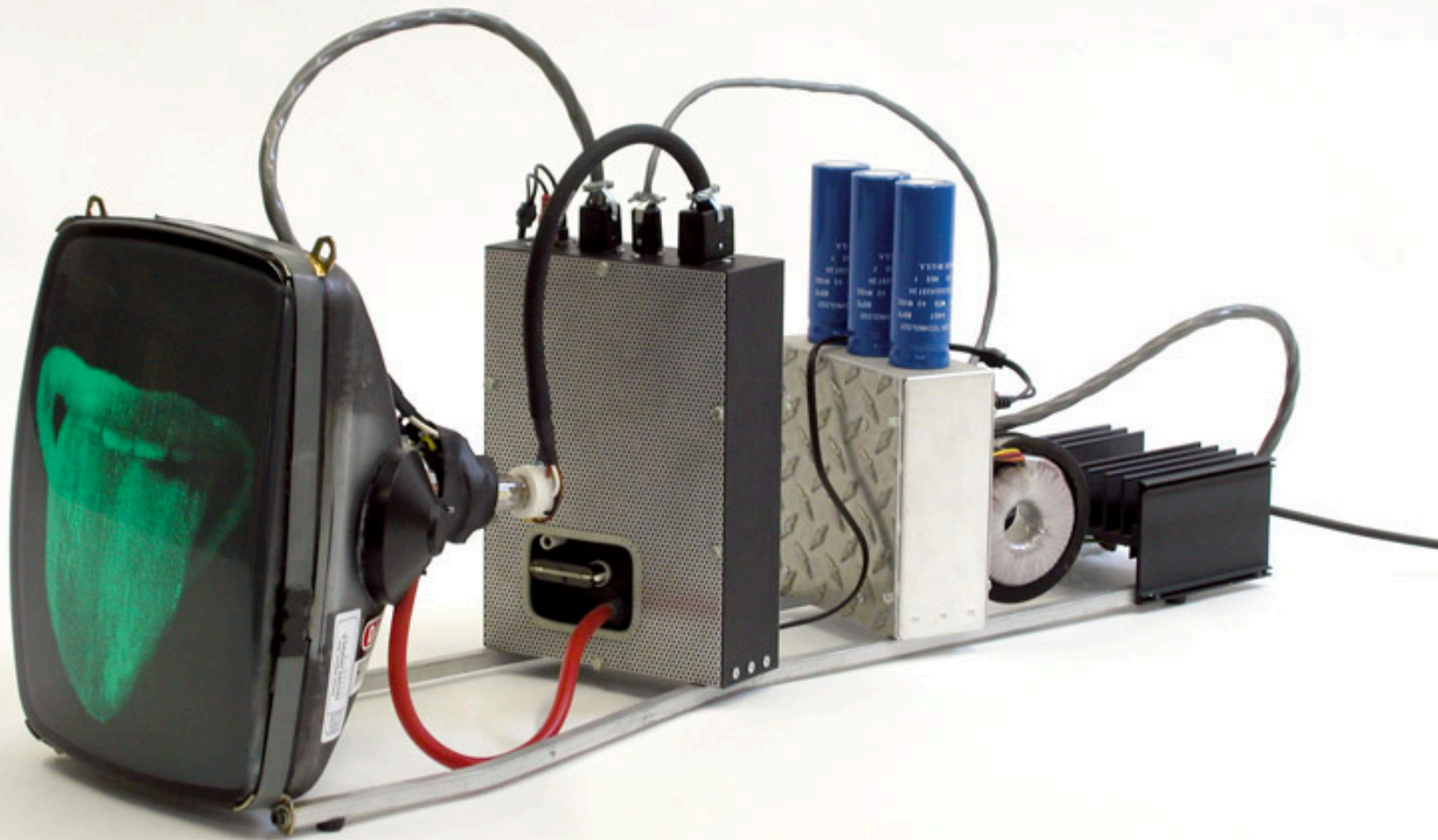
<https://www.dols.it/2017/03/15/arte-digitale-degli-anni-70/#prettyPhoto/1/>

“Electronic SuperHighway”, Nam June Paik (1995)



<https://americanart.si.edu/exhibitions/paik>

“Floor Polisher”, Alan Rath (1993)



“Floating Eyeballs”, Alan Rath (2010)



To be continued...