



National Museum of Health and Medicine

Otis Historical Archives

OHA 178 Gray Photomicrographs

Date of Records: 1893

Size: 1 linear foot, 2 Boxes

Finding Aid: by Eric W. Boyle (2013)

Access and Use: The Otis Historical Archives is committed to providing open access to its collections as far as possible within the limits of privacy and confidentiality. Access to this collection is at the discretion of the Otis Historical Archives and material contained within the records may be subject to review before access is granted.

Series/Scope and Content Note: This collection consists of two copies (one bound, one disassembled) of *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893). Gray joined the Museum in 1885 and served on the hospital ship U.S.S Relief in 1898. He did x-ray and photomicroscopical work.

BOX AND CONTENT LIST

Box 001:

Bound copy: *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893).

List of Photomicrographs:

<u>No.</u>	<u>Subject</u>
1	Red blood corpuscles, Amphiuma
2	White blood corpuscles, Amphiuma
3	Spermatozoa, Amphiuma



4	Spermatozoa, Amphiuma
5	Bladder, frog
6	Striped muscle, Amphiuma
7	Section of tongue, cat
8	Unstriped muscle of intestine, Amphiuma
9	Section of articular hyaline cartilage, femur of frog
10	Section of phalanx of finger of two-months human embryo
11	Section of phalanx of finger of two-months human embryo
12	Section of femur of six-months human embryo
13	Section of human femur, child
14	Section of human femur, adult
15	Section of bone, longitudinal cut of Haversian canal
16	Section of mucous membrane of vagina, human
17	Section of mucous membrane of vagina, human
18	Section of aorta, seven-months human fetus
19	Section of artery, human
20	Section through a nerve bundle of the sciatic nerve, human
21	Section of spinal ganglion, cat
22	Section of spinal ganglion, cat
23	Section of spinal ganglion, cat, Weigert stain
24	Section of spinal cord and spinal ganglion, cat
25	Section of spinal cord, calf
26	Section of spinal cord, calf
27	Section of spinal cord, calf
28	Section of cerebrum, human
29	Section of cerebrum, human
30	Section of cerebellum, human
31	Section of cerebellum, human
32	Section of cerebellum, human
33	Section of mucous membrane of stomach, frog
34	Section of mucous membrane of stomach, frog
35	Section of mucous membrane of stomach, dog
36	Section of outer portion of mucous membrane of dog's stomach
37	Section of lower portion of mucous membrane of dog's stomach
38	Section of small intestine of bear
39	Section of small intestine of bear
40	Section of small intestine of frog
41	Section of human spleen
42	Section of human spleen
43	Section of thymus gland, human fetus



44	Section of thymus gland, human fetus
45	Section of liver of pig
46	Section of liver of cat
47	Section of cortical substance of kidney, human
48	Section of kidney, child one year old
49	Section of submaxillary gland, cat
50	Section of submaxillary gland, cat
51	Section of testicle of rat
52	Transverse section of seminal tubule of testicle of rat
53	Transverse section of seminal tubule of testicle of rat
54	Section of human ovary
55	Section of human ovary
56	Section of human ovary
57	Section of ovary of cat
58	Section of human Fallopian tube
59	Section of human Fallopian tube
60	Transverse section through jaw of a three-months human embryo
61	Section of cornea, human
62	Section of anterior portion of eye, human
63	Section of anterior portion of eye, human
64	Section of crystalline lens, human
65	Section of crystalline lens, human
66	Section of posterior portion of eye, human
67	Section of retina, human
68	Section of retina, human
69	Pigmented epithelial cells stripped from rabbit's retina
70	Transverse section through posterior portion of human eye
71	Section of posterior portion of eye
72	Section of retina, alligator
73	Section of crystalline lens, alligator
74	Section of choroid and sclerotic coats of eye of alligator
75	Section of anterior portion of eye of chicken
76	Section of optic nerve, Weigert stain

Box 002:

Disassembled copy: *Photomicrographs of Normal Histology, Human and Comparative*, by Dr. William M. Gray of the Army Medical Museum, under the direction of curator John S. Billings (Washington, D.C.: Government Printing Office, 1893).



Note: The collection also includes 154 oversize plates of fetal, skin, bacteria, and animal photomicrographs and X-rays of Relief patients, which are housed separately in oversized drawers.