

Memories From the SEAS Time Capsules

The Third Decade: 1885-1894



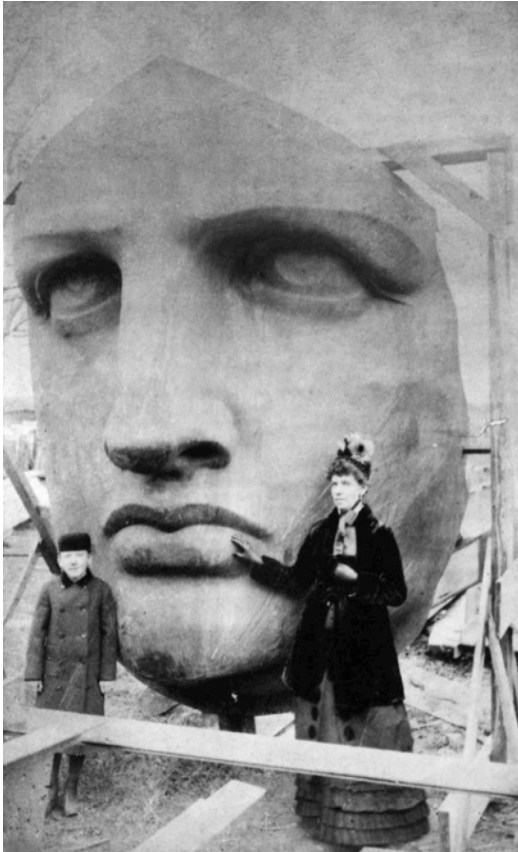
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New York Moments

The Third Decade: 1885-1894



- 1885 – After its completion in France in 1884, the Statue of Liberty is disassembled and shipped to the United States in crates.
- On June 17, 1885, the French steamer *Isère* carries the Statue of Liberty into the New York City harbor.
 - Shown, the unpacking of the head of the Statue of Liberty.

New York Moments

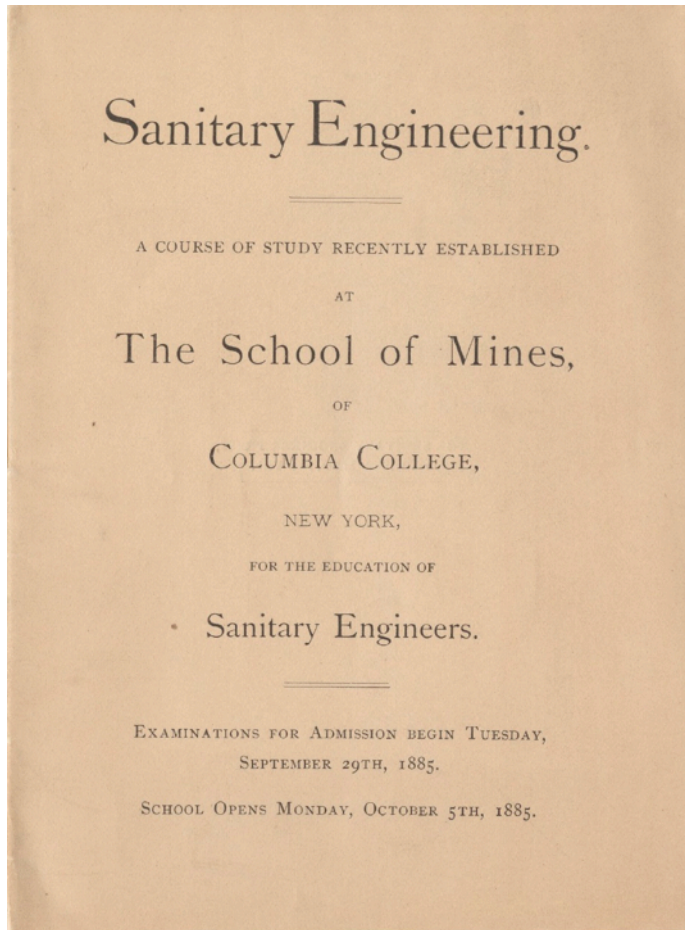
The Third Decade: 1885-1894



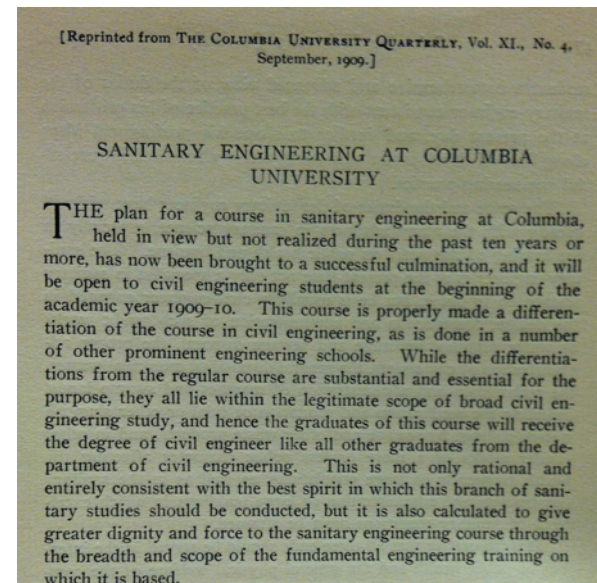
- The view of Broadway, north from Cortlandt and Maiden Lane, c. 1885–87.

From the SEAS Time Capsules

The Third Decade: 1885-1894



- Plans for sanitary engineering courses within Civil Engineering for 1885 (left).
 - Two students graduate in 1889.
 - The program ends in 1895.
- The program is briefly revived in 1909 (below).



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- 1885 – West St.



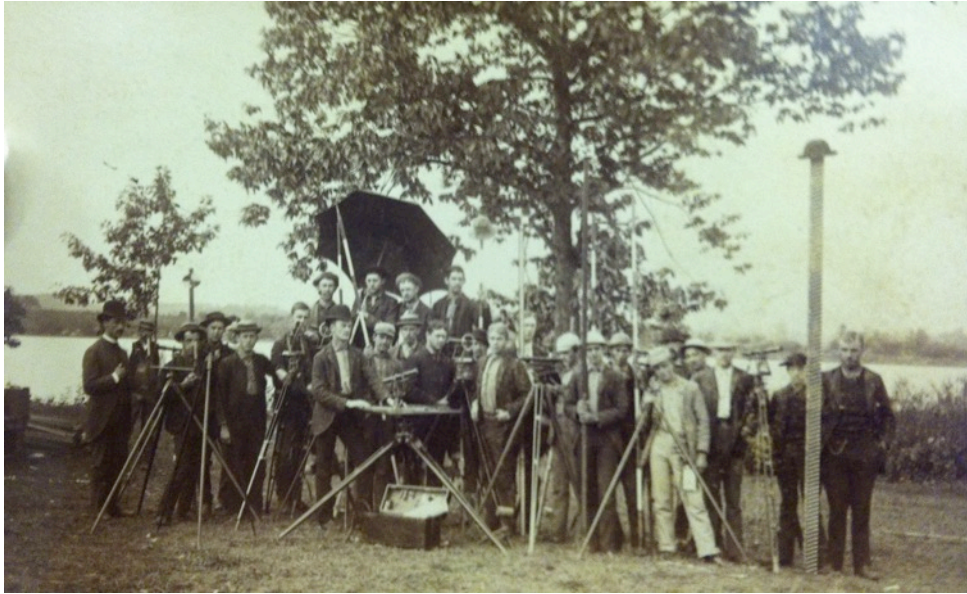
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- Students attending a summer class in surveying, 1886 (possibly at Camp Columbia).



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- 1886 – The Gansevoort Market, which had opened to the public in 1884, sells produce mostly from New Jersey and Long Island.
- The market sits near West Street and Tenth Avenue, an area later known as the Meatpacking District.



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- 1886 - The first long-distance line opens, connecting New York City and Philadelphia.
- 1892 - Long-distance service opens between New York and Chicago, with Alexander Graham Bell (shown) making the first call.

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- In 1886, Winifred Edgerton becomes the first woman to receive a Ph.D. from Columbia.
- This is the first Ph.D. degree in mathematics awarded by an American institution to a woman.



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- 1887 photo showing the very common cobweb of elevated telegraph, telephone and electric wires.

New York Moments

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- The Great Blizzard of 1888, also known as the "Great White Hurricane," strikes on March 12–13, 1888.
- The storm paralyzes the Eastern Seaboard from Maryland to Maine, causing temperatures to fall as much as 60 degrees in New York City.
- About 21 inches of snow fall on the city, but winds whip drifts as much as 20 feet deep.



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- The School starts a course in Microscopy and Biology in 1888, its first in biological sciences.
- Shown, a Paul Waechter, Large model No. 1b microscope used for bacteriological investigations. c. 1888 (not at Columbia).

New York Moments

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- 1888 – Herald Square, with the Sixth Avenue “El”.



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- July 4, 1888 celebration with School of Mines participation.

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The Third Decade: 1885-1894



- Seven years after Thomas Edison had first suggested it, Columbia Trustees agree in 1889 to create a department of electrical engineering offering graduate instruction to complement the four year curriculum at the School of Mines.
- The new department is headed by Profs. Francis Bacon Crocker and Michael Idvorsky Pupin, both Columbia graduates (shown, upper right and left).
- Shown, the first class.



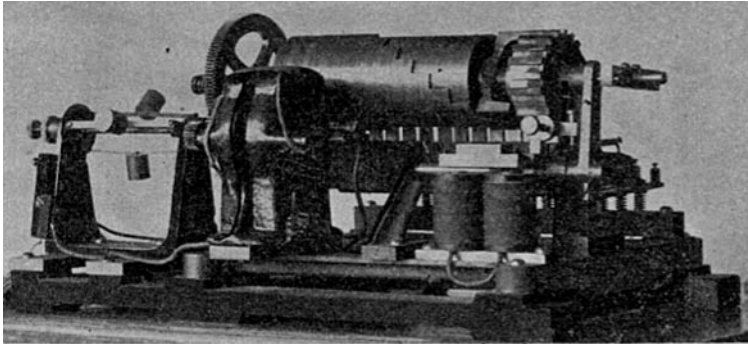
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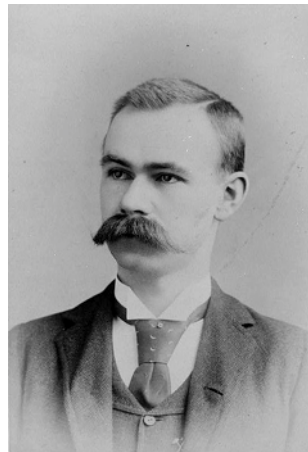
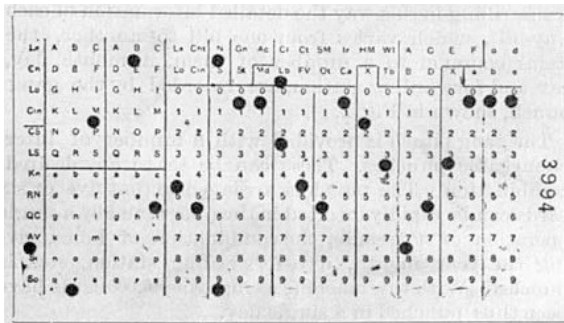
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- 1890 – The tabulating machine invented by Herman Hollerith EM 1879, PhD 1890 reduces the time to process the 1890 census data from ten years to three months.
- US patent 395782, Herman Hollerith, “Art of Compiling Statistics,” is issued Jan. 8, 1889.
- His company later merges with others to form what is now known as IBM.
- Early versions of the integrating (electric tabulating) machine and the hole punched card are shown.



New York Moments

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- Carnegie Hall opens on May 5, 1891, with a concert featuring the American debut of Pyotr Ilyich Tchaikovsky.



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- 1892 – The Department of Civil Engineering is formally established.
- Prof. William H. Burr, an expert on bridges and canals who later consults on the Panama Canal, serves as inaugural chair.

New York Moments

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- January 1, 1892 - The Ellis Island Immigration Station opens, and will eventually process over 12 million people.
 - The original building (upper photo) burns in a fire in 1897.
- The familiar new Main Building opens in 1900 (lower photo), after the fire.



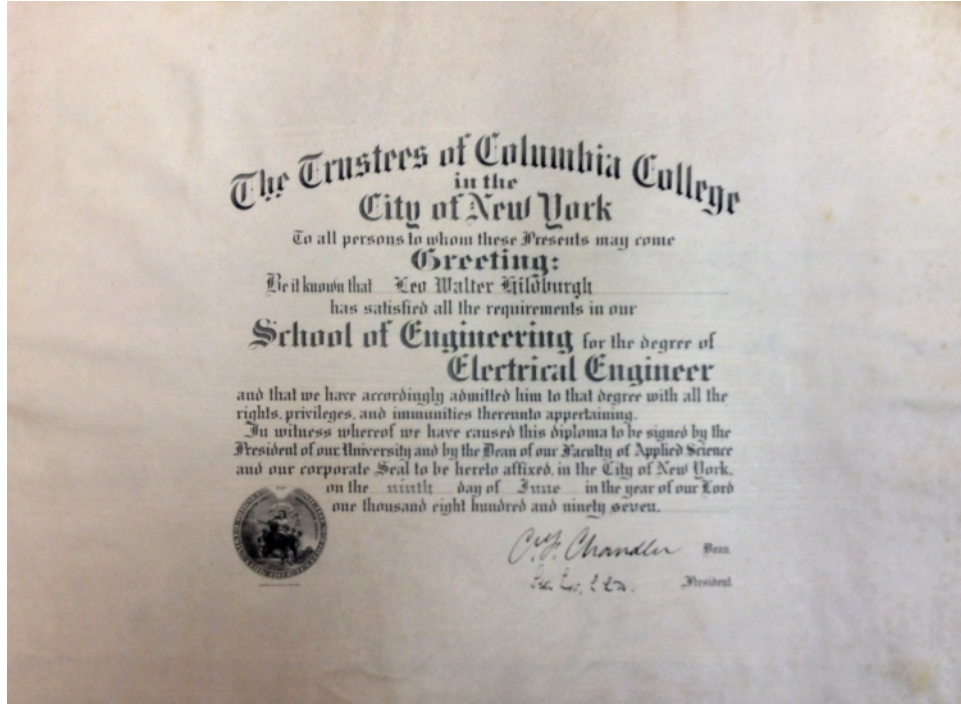
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- A full four-year undergraduate course is instituted in 1892 for a degree in electrical engineering.
- Early degree shown, 1897.



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- 1892 – The intersection of Broadway, Seventh Avenue and 42nd Street
- The Times Tower in Times Square is later built at the site of the billboards.



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- Summer in the City,
Central Park in 1894.



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- Towards the end of the 19th century, advances in cycling technology lead to a “bicycle craze.”
- Shown, cycling on Riverside Drive in 1894.



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