
KEY WORKS:

Russell Warren (1783-1860), architect and James C. Bucklin (1801-1890), contractor
Providence Arcade, Providence, RI, 1828

Giuseppe Mengoni
Galleria Vittorio Emanuele II, Milan, Italy, 1865-1867

Decimus Burton and Richard Turner
Palm House, Kew Gardens, London, 1845-1847

Joseph Paxton
Crystal Palace, London, 1850-1851

Gustave Eiffel
Tower, Paris, 1889

Dutert and Contamin
Galerie des Machines, Paris, 1889

WORKS OF THE PERIOD:

J. N. L. Durand
Precis des Lecons donnees a l'Ecole Polytechnique, 1802-1809

Jean-Baptiste Rondelet
Traite de l'Art de bâti, 1801-1817

For Train Sheds, Bridges and Industrial Buildings, see Ingersoll/Kostof

Prefabrication--Cast Iron Facades
James Bogardus (1800-1874)
Laing Stores, New York, 1849

Arcades:
Russell Warren (1783-1860), architect and James C. Bucklin (1801-1890), contractor
Providence Arcade, Providence, RI, 1828
Giuseppe Mengoni (1829-1877)
Galleria Vittorio Emanuele II, Milan, Italy, 1865-1867

Public markets
Victor Baltard (1805-1874)
Les Halles Centrales, Paris, 1855-1866
Week #4 (continued)

18 April  Lecture #10: 19th Century Technological Developments (continued)

Conservatories
  Decimus Burton (1800-1881) and Richard Turner
  Palm House, Kew Gardens, London, 1845-1847

Exhibition Pavilion
  Joseph Paxton (1803-1865)
  Crystal Palace, London, 1850-1851

Metal within a traditional context
  Henri P. F. Labrouste (1801-1875)
  Bibliothèque Ste. Geneviève, Paris, 1839-1850
  Reading room, Bibliothèque Nationale, Paris, 1857-1867

  Woodward and Deane
  Oxford Museum, 1853-1859

Department Stores
  Louis Charles Boileau (1837-1910)
  Nouvelle Forme Architecturale (1853)
  Le Fer, principal element constructif de la nouvelle
  architecture (1871)
  Au Bon Marche [department] store, Paris, 1869-1872
  (Gustave Eiffel, engineer)

Exhibition Buildings
  Gustave Eiffel (1832-1923)
  Tower, Paris, 1889
  Dutert and Contamin (C. L. F. Dutert (1845-1906) and Victor Contamin (1840-1893))
  Galerie des Machines, Paris, 1889
Week #4 (continued)

18 April          Lecture #10: 19th Century Technological Developments (continued)

Reading:


Suggested Supplemental Readings:

Trachtenberg, *Architecture* (2nd ed.), 443-463

Frampton, Kenneth, *Modern Architecture: Critical History*, Pt. I, Ch. 3


Middleton and Watkin, *Neoclassical and 19th Century Architecture*, Ch. 8
Mignot, Claude, *Architecture of the 19th Century in Europe* (later chapters)

Peters, Tom F., *Building the Nineteenth Century*

Hix, John, *The Glass House*
Geist, Johan Freidrich, *Arcades*
Trachtenberg, *The Brooklyn Bridge*

(in addition there are many other books on 19th century architectural and construction technology)
Week #4 (continued)

20 April Lecture #11: The Tall Building, Chicago and elsewhere


KEY WORKS:

Burnham & Root
The Rookery, Chicago, 1885-1886
Monadnock Building, Chicago, 1889-1891

William LeBaron Jenney (1832-1907)
Second Leiter Building, Chicago, 1889-1890

Adler & Sullivan
Auditorium, Chicago, 1886-1889
Wainwright Building, St. Louis, MO, 1890-1891
Guaranty Building, Buffalo, NY, 1894-1895

Louis Sullivan
Schlesinger & Meyer Company (Carson Pirie Scott after 1904), Chicago, 1899-1900

D. H. Burnham & Company
Reliance Building, Chicago, 1894-1895

WORKS OF THE PERIOD:

Burnham & Root, Chicago (formed 1873)
D. H. (Daniel Hudson) Burnham (1846-1912); John Welborn Root (1850-1891)
The Rookery, Chicago, 1885-1886
Monadnock Building, Chicago, 1889-1891

Adler & Sullivan (formed 1881)
Dankmar Adler (1844-1900); Louis Henry Sullivan (1856-1924)
Auditorium, Chicago, 1886-1889
Walker Warehouse, Chicago, 1888-1889
Seattle Opera House project, Seattle, WA, 1890

William LeBaron Jenney (1832-1907)
Home Insurance Building, Chicago, 1883-1885
Second Leiter Building, Chicago, 1889-1890

Adler & Sullivan (continued)
Wainwright Building, St. Louis, MO, 1890-1891
Guaranty Building, Buffalo, NY, 1894-1895
20 April Lecture #11: The Tall Building (continued)

Louis Sullivan (after 1895)
- Schlesinger & Meyer Company (Carson Pirie Scott after 1904), Chicago, 1899-1900
- National Farmers Bank, Owatonna, MN, 1907-1908

D. H. Burnham & Company (formed 1892)
- Reliance Building, Chicago, 1894-1895

Reading:

Suggested Supplemental Reading:
- Trachtenberg, *Architecture* (2nd ed.), 473-480
- Frampton, Kenneth, *Modern Architecture: Critical History*, Part 2, Ch. 2
- Hitchcock, Henry-Russell, *Architecture 19th and 20th Centuries*, Ch. 14
- Whiffen and Kooper, *American Architecture*, Ch. 10 (pp. 238-267)

About the Chicago School:
- Condit, Carl, *The Chicago School of Architecture*
- O’Gorman, James F., *Three American Architects: Richardson, Sullivan and Wright, 1865-1915*
- Rowe, Colin, "Chicago Frame," in *The Mathematics of the Ideal Villa and Other Essays*
- Zukowsky, John, ed., *Chicago Architecture 1872-1922: The Birth of a Metropolis*

About Burnham & Root:
- Hines, Thomas, *Burnham of Chicago: Architect and Planner*
- Hoffman, Donald, *The Architecture of John Welborn Root*

About Louis Sullivan:
- De Wit, Wim, ed., *Louis Sullivan: The Function of Ornament*
- Twombly, Robert, *Louis Sullivan: His Life and Work*
- Twombly, Robert, ed., *Louis Sullivan: The Public Papers*
- Sullivan, Louis, *Kindergarten Chats* (1918; available in reprint edition)

(in addition, there are many other books on several Chicago School architects)
Week #4 (continued)

22 April Lecture #12: Frank Lloyd Wright to 1914

Wright's background and apprenticeship to Sullivan. Wright's architecture as synthesis of previous currents. Breaking out of the box; creating an architecture for the prairies. Design strategies in Wright's work.

KEY WORKS:

Frank Lloyd Wright
  Winslow House, River Forest, IL, 1893-1895
  Willits House, Highland Park, IL, 1901
  Robie House, Chicago, IL, 1906, 1908-1909
  Larkin Building, Buffalo, NY, 1903-1904
  Unity Church, Oak Park, IL, 1904-1906

WORKS OF THE PERIOD:

Frank Lloyd Wright (1867-1959)
  Frank Lloyd Wright House, Oak Park, IL, 1889
    (additions: 1893-1895)
  George Blossom House, Oak Park, IL, 1892
  Winslow House, River Forest, IL, 1893-1898
  Warren Hickox House, Kankakee, IL, 1900
  Ward Willits House, Highland Park, IL, 1901
  Frederick G. Robie House, Chicago, IL, 1906, 1908-1909

  Larkin Company Administration Building, Buffalo, NY, 1903-1904
  Unity Church, Oak Park, IL, 1904-1906

  Imperial Hotel, Tokyo, Japan, 1913-1920

Reading:
  Ingersoll/Kostof, World Architecture, 746-749
  Curtis, Modern Architecture Since 1900 (3rd ed.), 112-129
Week #4 (continued)

22 April Lecture #12: Frank Lloyd Wright to 1914 (continued)

Suggested Supplemental Reading:

Trachtenberg, Architecture (2nd ed.), 480-485
Colquhoun, Alan, Modern Architecture, 49-55
Frampton, Kenneth, Modern Architecture: Critical History, Part 2, Ch. 3
Hitchcock, Henry-Russell, Architecture: 19th and 20th Centuries, Ch. 15, 19
Whiffen and Kooper, American Architecture, Ch. 12 (pp. 294-319)

Brooks, H. Allen, Frank Lloyd Wright and the Prairie School
Gill, Brendan, Many Masks: A Life of Frank Lloyd Wright
Hildebrand, Grant, The Wright Space
Hitchcock, Henry Russell, In the Nature of Materials
Manson, Grant, Frank Lloyd Wright to 1910: The First Golden Age
O'Gorman, James F., Three American Architects: Richardson, Sullivan and Wright, 1865-1915
Scully, Vincent J., Frank Lloyd Wright
Twombly, Robert, Frank Lloyd Wright: His Life and Architecture

Wright, Frank Lloyd, An American Architecture
Wright, Frank Lloyd, The Living City
Wright, Frank Lloyd, A Testament

(obviously a very incomplete list; there is a very extensive literature on Wright and additional books authored by Wright himself)