ARCHITECTURE IN THE FIRST HALF OF THE TWENTIETH CENTURY IN THE UNITED STATES:

Frank Lloyd Wright, Prairie School

Week 10.2

FRANK LLOYD WRIGHT (1867-1959): BREAKING THE BOX
In the United States Frank Lloyd Wright also rejected 19th-century European architecture. He was a student of Sullivan. He attributed his new architectural concepts to educational building blocks he had played with as a child, to Japanese architecture, and to the prairie (kir) landscape on which many of his houses were built. Yet the fireplaces with adjacent seating that occupied a central position in his houses referred to the very distant past, when tending and maintaining a fire was essential for human survival.

In Wright's houses, few dividing walls separated rooms and one room seemed to flow into the next. Wright's open design was extremely influential, and variations of it were used, not only for the houses of the wealthy, but for apartments and middle-class homes in Europe and the United States.

The Chicago Years: In 1888 he took a drafting job with the firm of Adler and Sullivan where he worked directly under Louis Sullivan for six years. Sullivan was one of the few influences Wright ever acknowledged. Sullivan, known for his integrated ornamentation based on natural themes, developed the maxim "Form Follows Function" which Wright later revised to "Form and Function Are One." Sullivan also believed in an American architecture based on American themes not on tradition or European styles -- an idea that Wright was later to develop. Wright and Sullivan abruptly (suddenly) parted company in 1893.

Wright often referred to Sullivan as his "Lieber Meister," or beloved master.

Organic Architecture and the Prairie Houses:

Wright's first revolutionary masterpiece from his own practice was the Winslow House built in 1893 in River Forest, Illinois. This home for his first client, William Winslow, clearly portrayed Wright's direction in architecture with its expansive, open proportions. Wright believed that architecture should create a natural link between mankind and his environment. "Organic architecture" as Wright came to call his work, should reflect the individual needs of the client, the nature of the site, and the native materials available. Some of Wright's most notable designs during this period were for "Prairie Houses." These houses reflected the long, low horizontal Prairie on which they sat:

- They had low pitched roofs, deep overhangs, no attics or basements, and generally long rows of casement (kanatlı) windows that further emphasized the horizontal theme.
- He used native materials and the woodwork was stained (vernik), never painted, to bring out its natural beauty. This was his first effort at creating a new, indigenous American architecture.
- Other Chicago architects were also working in this same manner and the movement became known as "The Prairie School."

This drawing of the Winslow House was prepared in 1910 for use in the portfolio of Wright's drawings published in Germany by Ernst Wasmuth. (Drawing copyright © 1985 the Frank Lloyd Wright Foundation.)
Although Wright himself rejected that label, he became its chief practitioner. Wright also began to give public lectures and to write about his thoughts on architecture. His most famous talk, "The Art and Craft of the Machine" was delivered in 1901 at Hull House in Chicago. It marked the first decisive acceptance of the machine by an American architect, and was widely hailed. The Arts and Crafts Movement, popular at the time, believed that much of the decline in quality craftsmanship was directly attributable to the machine. Wright, by contrast, embraced the machine and urged its use, not to imitate fancy hand-carving, but to bring out the simplicity and beauty of wood. This emphasis on simplicity and his insistence that natural materials be treated naturally, was a hallmark of his work. Some of Wright's most important works at the time were: the Martin House in Buffalo, New York (which introduced the horizontal bands of windows, a prominent feature of his later houses); the Robie House in Chicago, Illinois (one of Wright's most celebrated Prairie houses); the Larkin Building in Buffalo, New York (for which Wright developed several innovations such as wall-hung water closets and the first metal furniture); and Unity Temple in Oak Park, Illinois (America's first important architectural work in poured concrete.)

Wright explained his design philosophy: "Nature builds a tree from the inside out. That is what organic architecture is. It is building the way nature builds."

The Frederick C. Robie House, 1908 and 1910 by architect Frank Lloyd Wright

The Robie House is one of the best known examples of Frank Lloyd Wright's Prairie style of architecture. The term was coined by architectural critics and historians (not by Wright) who noticed how the buildings and their various components owed their design influence to the landscape and plant life of the Midwest Prairie of the United States. Typical of Wright's Prairie houses, he designed not only the house, but all of the interiors, the windows, lighting, rugs, furniture and textiles. As Wright wrote in 1910, "It is quite impossible to consider the building one thing and its furnishings another. ... They are all mere structural details of its character and completeness." Every element Wright designed is meant to be thought of as part of the larger artistic idea of the house.
Frank Lloyd Wright's inspiration for an indigenous, local architecture had its roots in the flat, expansive prairie landscape of the American Midwest where he grew up. “The prairie has a beauty of its own and we should recognize and accentuate this natural beauty, its quiet level. Hence, gently sloping roofs, low proportions, quiet sky lines, suppressed heavy-set chimneys and sheltering overhangs, low terraces and out-reaching walls sequestering private gardens,” he wrote, listing some of the characteristics of what came to be known as the Prairie style of architecture.

Wright and the draftsmen in his Oak Park studio reacted against the historical revivalism prevalent in American architecture at the time and sought to create an indigenous architectural style that combined functionality and beauty, and reflected the natural surroundings. They succeeded in redefining American residential architecture. The typical Prairie style home is distinguished by a horizontal line emphasized on the exterior by a low-pitched roof, long bands of windows, wide overhanging eaves and brick courses or wood bands. Inside, the floor plan is open and radiates outward from a central fireplace. Furnishings are not secondary elements, but integral to the design, and hence often consist of built-ins. Construction materials and finishes are natural, and ornamentation is often restricted to art glass windows that function as “light screens,” blurring the distinction between interior and exterior spaces.

PRAIRIE SCHOOL:
- Wright started with the concept of free flowing space, then designed a structure not only to blend with the natural site but to maximize interaction between indoors and out.
- The roof lines of Robie House are long and low, like the flat prairies that stretch through the Midwest.
- Anchored by a central stone hearth and chimney, interior space flows from room to room without walls or doors.
- The space seems to extend visually through bands of windows and out to verandas and terraces.
- Cantilevered roofs parallel the ground to further the impression of sweep and spread.
For the project **Robie House** Frank Lloyd Wright worked with an interior architect, George Mann Niedecken.

The philosophy that Wright and Niedecken shared of creating a home as one unified composition from exterior to interior allowed the merging of their artistic skills to create the integrated interior spaces of Robie House.

Subtle (belli belirsiz) pinks, warm yellows, and earth tones found in small sections of colored glass inform the color scheme within the living and dining rooms.

Presumably inspired by Wright’s glimmering walls of art glass windows, Niedecken identified a range of hues from yellow to red ochre for the interior paint colors. He supervised an artistic treatment of paint applied to the textured-plaster walls and ceilings to create a variety of tone and rich mottled (geneli alacalı) effect.

As a result, Frank Lloyd Wright sought to break out of the box-like structure of the Victorian house. In his Prairie style homes, he succeeded in blurring (silikleştirmek) the line between interior and exterior spaces by using groups of art glass windows as “light screens.” He wrote in his autobiography, “Now the outside may come inside, and the inside may, and does, go outside.”

Wright’s windows usually wrap (sarmalamak) around the entire surface of the house. Their complex geometric patterns are often abstract representations of nature. Composed of pieces of clear and colored glass, the “light screens” enliven (reklendirmek) the light as it filters in, yet provide privacy to the dweller within the house.

integration of glass, wood, and paint color in the dining room prow. Frank Lloyd Wright, architect. Frederick C. Robie House.
There was an understanding between Wright and Niedecken (interior architect) that the decorative scheme was to be developed through the use of furnishings, art glass, rugs, and painted plaster. Each of these components is drawn into a singular harmony with ornamentation being executed through the use of a complex color palette, and a modernistic thrust toward reducing superfluous decoration, while emphasizing the integrity of materials.

Frederick C. Robie House; dining room looking northeast, Chicago, Illinois, 1910.
Wright's career was jumpstarted in 1937, when at the age of nearly seventy, he created his masterpiece, Fallingwater. No building better illustrates the idea of organic architecture.

Its owner, E. J. Kaufmann, when he saw the plans, exclaimed to Wright, "I thought I would place the home near the waterfall, not over it." Wright replied, "I want you to live with the waterfall, not just look at it, and for it to become an integral part of your lives."

Fallingwater, Bear Run, Pennsylvania, by Wright, 1937-39

Possibly the most famous work of modern architecture, Fallingwater is an example of Wright's organic architecture that seems to grow from its site.
A boulder (taşlık) in the stream bed, which the Kaufmann family used to picnic on, became the starting point of design. Embedded in the floor in front of the hearth, the boulder is the still point from which all cantilevers radiate out. Perpendicular stacked shelves of concrete terraces hover (havada asılı kalmak) over the waterfall. The buff (bej) color (Wright originally wanted gold leaf) of the terraces echoed the rock. Rusticated masonry forms the chimney and the walls, looking like natural ledges. The balconies’ horizontal sweep is balanced by the vertical uplift of the chimney core, which anchors the house to the ledge and reflects the falls.
A totally different, but no less innovative design was the Johnson Wax Administration Building in Racine, Wisconsin. Its magical interior creates a sense of a protected community, an ideal workplace where space is allotted according to egalitarian principles.

All curves, the huge interior is one vast work area.

A ceiling of glass tubing between circle-topped columns admits diffused light to give a submarine glow to the interior.

Wright became interested in curves as a means of generating design. His commitment into democratic architecture produced this ideal communal working place. For Wright, decoration is integral, not applied. He designed all circular furnishings and fittings to harmonize with the structure.
GUGGENHEIM: GO WITH THE FLOW

Completed the year of his death (1959), the Guggenheim Museum reveals yet another incarnation of Wright as a discoverer of form. In it he finally achieved a building of continuously rolling space. Its helix (helix = spiral) gradually expands in a spreading spiral ramp for ultimate flow. The interior is an ocean of space capped by a skylight dome.