HOUSING THE MASSES

THE PROBLEM:
Meyer's Hof Mietskaserne (=Rental Barracks), Berlin, 1875-1930.

THE TECHNICAL DEBATES:
City Center or Periphery
Low Rise vs. High Rise
Detached vs. Row Housing vs. Apartment Blocks
Perimeter Blocks vs. Zeilenbau (=Linear building)

HOLLAND
Oud Mathenesse Housing, J.J.P. Oud, Rotterdam, 1923
Hook of Holland, J.J.P. Oud, 1924-7
* Kiefhoek Housing, J.J.P. Oud, Rotterdam, 1925-29 (298 units)

GERMANY
"Das Neue Frankfurt" =The New Frankfurt
Siedlungen: Bruchfeldstraße, E. May, 1926-7 (643 apts., zig-zag, perimeter block)
* Roemerstadt, Ernst May, 1927-8 (1220 apts., curves)
Praghein, E. May, 1926-8 (1441 apts., with trolley tracks, Phase 3)
Am Lindenbaum, W. Gropius, 1930 (1532 apts., Zeilenbau)
Siedlung Goldstein, May, 1930 (Co-sponsored with German Garden City Assoc.)
* Frankfurt Kitchen, Grete Schute-Lihotsky
Das neue Frankfurt magazine
Construction site efficiency, pre-fabricated concrete panels
CIAM II Meeting: "Existence Minimum Apartments", 1929

* Weissenhof Housing Development Exhibition, Stuttgart, Germany, 1927
Exhibit Plan & Apartment Block, Mies van der Rohe
Houses by: W. Gropius, P. Behrens, B. Taut, Le Corbusier, M. Stam, H. Poelzig, H. Scharoun, J.J.P. Oud...
cf. Competing traditional "Heimat" housing developments

Törten Siedlung, Gropius/Bauhaus/Meyer, 1926-8
GERMAN FUNCTIONALISM & CIAM

“Arab Village,” vs. “Victory of the New Building Style” propaganda war about the Weissenhof Housing Development Exhibit, Stuttgart, Germany, 1927 (p.352)

Vernacular Functionalism
Anti-Modern = Heimat Movement: P. Schmitthenner’s “Stuttgart School”
Hellerau Garden City Housing by Riemerschmid, Tessenow & Muthesius
Paul Schmitthenner (Stuttgart, 1930)

Rational or Machine Functionalism: "Neues Bauen" in Berlin
Weissenhof: Exhibit Plan & Apartment Block, Mies van der Rohe; Houses by:
Gropius, Behrens, Taut, Le Corbusier, Oud, Poelzig, Scharoun... (p.259)
H.W. Luckhardt, Am Rupenhorn Houses, Berlin-Westend, 1927

* "International Style” exhibit, catalogue & book
“Modern Architecture: International Exhibition” = MoMA Exhibit #15,
3 main principles of “Int’l Style”: 1) volume; 2) regularity; 3) Anti-ornament

* Dynamic Functionalism -- Erich Mendelsohn (1887-1953)
Mossehaus (Newspaper Office), Berlin, 1922

* Schocken Department Store, Chemnitz, 1926-29 (p.262)

* Organic Functionalism – Hans Scharoun & Hugo Häring
Bauwelthaus, H. Jarchow, 1924
Hugo Häring, Gut Garkau, Lubeck, 1924

Programmatic & Use Functionalism
Hannes Meyer (1889-1954)
ABC & G magazines & Constructivist groups, 1924 (p.264)
(Includes: El Lissitzky, M. Stam, H. Schmidt)
Coop Room, 1926

* Peterssschule Project, Basel, 1926 (p.199)

League of Nations Competition, Geneva, Switz., 1926 (p.263)

* Entries by H. Meyer, R. Neutra, Le Corbusier, Piacentini
Le Corbusier entry -- elemetarism (p.263)

CIAM (Int’l Congress of Modern Architecture) Meetings:
1) 1928, La Sarraz, Switzerland, "Preparatory Mtg."
2) 1929, Frankfurt, "Housing of Existence Minimum"
3) 1930, Brussels, "Rational Construction Systems"
4) 1933, Athens (Patris II), "The Functional City"
5) 1937, Paris, "Housing & Leisure"

Expressionist Functionalism
Bruno Taut, Siedlung Eichkamp, Berlin, 1919-27
"Colorful Magdeburg” 1920-4
Bruno Taut, Own House, Berlin-Dahlewitz, 1926
COLONIALISM & REGIONAL MODERNISMS

COLONIALISM Orientalism, The “Other”
   The English Empire: An Empire upon which the sun never sets...
   Historicism: Victoria Terminus, Bombay, F.W. Stevens, 1878
   National Art Gallery, Madras, H. Irwin, 1906
   Prince of Whales Museum, G. Wittet, Bombay, 1914
   McMillan Library, Nairobi, Kenya, c. 1920

* NEW DELHI - new capital of British India
   Classicist design by Edwin Lutyens & Herbert Baker, 1911-1936
   Grand Manner planning: Versailles, Washington DC, Pretoria, Nairobi, Canberra (by W.B. Griffen, 1908-13)
   Lutyens: “Architecture, more than any other art, represents the intellectual progress of those that are in authority. [In India] they have never had the initial advantage of those intellectual giants of the Greeks, who handed the torch to the Romans, they to the great Italians and on to the Frenchman and to Wren, who made it same for England ... I should have liked to have handed on that torch and made it same for India...”

* Viceroy’s Palace, E. Lutyens & H. Baker, New Delhi, India, 1912-31
   Influences: Sanchi, Taj Mahal, Fatepushikri (p.296-7)

Bungalows
* St. Martin’s Garrison Church, Shoosmith, 1928-31 (p.298)

Modernism
   Lighthouse Cinema, Wm. Dudok, Calcutta, 1936-8
   Marine Drive, Bombay = Mumbai

See also: Le Corbusier’s postwar plans for Chandigargh

REGIONALISM, Dissemination of Modern Architecture
   Development of Tropical Modernism & Climate (vs. International Style)
   Le Corbusier's South American Lecture trip, 1929 (includes Rio)
   See also: Le Corbusier’s Plans for Algiers, Algeria (Africa), 1930-1938

BRAZIL
* Ministry of Health & Education, Niemeyer & Costa (w/ Le Corbusier), 1937-42
   Pampulha Club, O. Niemeyer, vic. Belo Horizonte, Minas Gerais State, 1942
* Casino, Yacht Club, Dance Hall (p.388)
* Church of St. Francis, 1943
   Brazilian Pavilion, New York World’s Fair, O. Niemeyer, New York, 1939
   cf Finnish Pavilion, Alvar Aalto
   Niemeyer House, Canoas (vic. Rio), Brazil, 1950

See also: Plans for Brasilia, new capital of Brazil, 1957ff. (Cf Postwar)
   Third World Modernism (Postwar)
   Tropical Modernism:
   Drew & Fry, Tropical Architecture in the Humid Zone (1956)

See also: Modernism in Japan, Palestine, etc.
TOTALITARIANISM: GERMANY, RUSSIA, ITALY

PARIS World’s Fair, 1937, Pavilions:
- Belgium, H.v.d. Velde;
- French Rural Village (Regionalism);
- Spain, J.L.Sert + Picasso, “Guernica”
- Le Corbusier, Pavilion Temps Nouveau;
- Japan, Sakakura;
- Finland, A. Aalto;
* Germany, A. Speer;
* Russia: B. Iofan;
* Italy: M. Piacentini

NAZI GERMANY:
- Hitler voted into office 1933; Reichstag fire 1933; Hindenburg dies 1934.
- Hitler annexes Rhineland 1936; invades Poland 1939, starts WWII, US enters war 1941; ends 1945

What is Nazi Architecture?
- All architecture built in Germany during Hitler/Nazi rule (1933-45)?
- A style? Classicism? French?
- Continuation of Weimar Conservatism of un-traditional and un-German architecture?
- Nazi reaction against the promiscuous avant-garde, and against bolshevism, socialism, Jewish architects; e.g. Closing of Dessau Bauhaus, 1932 // Closing of Berlin Bauhaus, 1933

Nazi Monumental Classicism
- Munich as “Führerstadt” (= City of the Führer) and City of Culture
  * House of German Art, P.L. Troost, Munich, 1933 (p.354)
  - Exhibit of Degenerate Art, 1937 (=Entartete Kunst)
  - Cf. Mellon Institute, Janssen & Cocker, 1931-37
- Berlin as “Germania,” Capital of the IIIrd Reich
  * N-S Axis and Dome for Germania (Berlin), A. Speer, 1938-41 (p.356)
  * Reichs Chancellery, A. Speer, Berlin, 1938-9 (p.356)
  * Nuremberg and Party Rallying Grounds (p.356)
    - Stadium & Zeppelin Field, Nürenberg, A. Speer & L. Ruff, 1933-7
    - cf. CMU campus architecture (Stadium & Purnell) by Michael Dennis & Assoc.

SOVIET “SOCIALIST REALISM”
- Stalin rules Soviet Union 1925-53 (Lenin dies 1924)
  * Palace of Soviets Competition, Moscow, 1931
    - Winner: B. Iofan, construction 1934-39 (unfinished)
- Moscow Metro Stations, 1936ff
- Stalinist Classicism = “Socialist Realism”

THE THIRD ROME: TENSION OF MODERNITY & NATIONAL TRADITION
- Mussolini forms Fascist party 1921, March on Rome 1922
  - “Contacts” and “Sources” of Modern Italian and Ancient Architecture, Micelucci, Domus, 1932
* Gruppo 7, founded 1926 by Milan Polytechnic students: Terragni, Libera, Figini, Pollini et al
* Casa del Fascio, G. Terragni, Como, 1932-6
WAR, DEPRESSION, CHANGE IN MODERNISM

Pre-War Modernism vs. Postwar Modernism

The Attitude towards classicism, technology, planning
“Fasces” as a universal symbol
Federal Triangle, Washington, DC, 1938-45

NAZI TECHNOLOGICAL MODERNITY
Tempelhof Airport, E. Sagebiel, Berlin, 1936-41
German Luftwaffe
Autobahn and the VW Bug
Ernst Neufert’s “standards” & House-Building machines
The “Atlantic Wall”, bunkers
Concentration Camps

Destruction of WWII - 1939-1945
Shift of Power & Influence in Modern Architecture

AMERICA AT WAR
Great Depression, 1929-39
New Deal: Economic programs enacted 1933-38: relief, recovery, reform
National Recovery Administration (1933): industries/labor/gov’t collaborate to
set fair practice laws
Works Progress Administration (1935-43): public works, make work
projects, infrastructure, parks, roads, post offices, etc.
Social Security Act (1935): Social insurance & social welfare
The Military Industrial Complex
Pentagon, by Berman, Washington, DC, 1941-3
Albert Kahn: “the Producer of Production Lines”
Willow Run B-24 Bomber Plant (Ford; then Kaiser Autos, now GM),
Detroit, Albert Kahn, 1941
Aluminum Terrace, Gropius, Natrona Heights, PA, 1941

The Victory of Democracy
The Returning G.I.
The American Dream / Home
USA & THE ARCHITECTURE OF DEMOCRACY

An Architecture of Democracy?

- Pentagon, by Berman, Washington, DC, 1941-3
- Federal Interstate Highway System, 1941, 1956, etc.
- Defense & Commerce & Make-Work
- By products of war industry: Saran-wrap, plywood, etc.
- The American Dream

Diaspora of the Avant-Garde, European artists fleeing Hitler:
- **Russia**: E. May, H. Meyer, G. Schutte-Lihotzky, B. Taut
- **Japan**: B. Taut
- **Turkey**: C. Holzmeister, H. Poelzig, B. Taut, O. Kaufmann, M. Wagner
- **Mexico**: H. Meyer, M. Osborn, M. Cetto
- **Israel/Palastine**: Mendelsohn, O. Kaufmann
- **England**: Gropius, Mies, Mendelsohn
- **USA**: Gropius (Harvard), Mies (IIT), Mendelsohn (Berkeley), Saarinen (Cranbrook), Aalto (MIT), Breuer (Harvard), Giedion (Harvard), M. Wagner (Harvard), Moholy-Nagy (IIT), Hilberseimer (IIT), Albers, Klee, W.C. Behrendt (Darmouth), Gutkind (Penn), Konrad Wachsmann (CMU)

Erich MENDELSON (1887-1953)
- Travelled to USA 1924, friend of F.L. Wright, mentor of Neutra, Schindler...
- Biggest modernist architecture office in Europe
- Exile in Palestine, 1933-41
- * Medical Center, Hebrew University, Jerusalem, 1937 (p.383)
- Medical Center, Hebrew University, Jerusalem, 1937
- Park Synagogue, Cleveland Heights, OH, 1946
- Synagogue B’Nai Amoona, St. Louis, 1946
- Mount Zion Synagogue, St. Paul, Minn., 1950

Walter GROPIUS (1883-1969)
- Founding Director of Bauhaus, 1919-1928
- Emigrates from Germany 1934, to England, then US, 1937
- Chair of Architecture at Harvard, 1937ff
- * Gropius Own House, Gropius, Lincoln, MA, 1937 (p.396)
- Frank House, Breuer & Gropius, Pgh, 1937
- Aluminum City Terrace, New Kensington, PA 1942
- * Harkness Commons (Harvard), Gropius, Cambridge, MA, 1948 (*Curtis textbook*, p.397)
- The Architect’s Collaborative (TAC) with Benjamin Thomspn
- PanAm Building, TAC with Belluschi & Emery-Roth, NYC, 1965
- Athens Embassy
- Chase Manhattan Bank, Great Neck, NY

Ludwig MIES VAN DER ROHE (1886-1969)
- Head of Werkbund, Last Chair at Bauhaus, 1933
- Emigrates to US 1937
- Chair of Architecture at IIT 1939ff
- * Farnsworth House, Mies v.d. Rohe, Plano, IL, 1945-51 (p.403)
MODERN LIVING & SUBURBIA

Dymaxion House, Buckminster Fuller, 1927-29
   Dymaxion House Built at Wichita, Fuller, 1945 (p.267)

Conversion of War-time Production
   Lustron Steel Houses, 1948-51, Carl Strandlund & Curtiss-Wright airplane factory in Columbus, OH
   "Reconstruction Finance Program"

Suburbs & American Dream
   * Levittown, William Levitt & Sons, Hempstead, Long Island, 1947-52 (also in Bucks County, PA & Puerto Rico)
   See also: G.I. Bill, Federal Mortgages, “White Flight”
   * Case Study Houses #21 & #22, P. Koenig, Los Angeles, 1958 (p.405) (#22, 1959)
   Kaufmann Desert House, Neutra, Palm Springs, 1946 (p.399)
   Julius Shulman’s photographs & the Canonization of Modern Architecture
   Beatriz Colomina’s Domesticity at War; Alice Friedman’s American Glamour

Did not get to in class...
   “Harvard Five” in New Canaan, CT - A Mecca of Modernism
   Marcel Breuer, Landis Gores, John Johansen, Philip Johnson, Eliot Noyes
   * Johnson Glass House, Johnson, New Canaan, CT, 1949-50 (p.403)
   Breuer House, New Canaan, CT, 1948
AALTO & SCANDINAVIAN GRACE

Scandinavian National Romanticism (Arts & Crafts, Place)

* Stockholm Exhibition, G. Asplund, 1930 (p.338)

Alvar AALTO (Finland, 1898-1976)
  Cf. Worker's Club, Jyväskyla, Finland, 1924-5 (Doric Classicism)
* Library, Viipuri, Finland (today in Russia), 1927-35 (p.343)
* Tuberculosis Sanatorium, Paimio, Finland, 1929-33 (p.344-5)
  Paimio Chair, 1933
* Villa Mairea, Noormarkku, Finland, 1937-9 (p.347-9)
  Sunila Paper Mill and Worker Housing, Sunila, Finland, 1933-39
  Finnish Pavilion, Paris World’s Fair, 1937
  Finnish Pavilion, New York World’s Fair, 1939

Baker House (MIT), Cambridge, MA, 1947-8 (p.454-5)
* Saynatsalo Town Hall, Saynatsalo, Finland, 1949-52 (p.456-7)
  Experimental Summer House, Muuratsalo, Finland, 1953
* Vuoksenniska Church (Church of Three Crosses), Imatra, Finland, 1956-9
  (p.452,458-9)
  Fan & Courtyard Plans
  Wolfsburg Cultural Center (& Library), Wolfsburg, Germany, 1958-62
  Rovaniemi Library, Aalto, Rovaniemi, Finland, 1963-8 (p.459)
  Seinajoki Cultural Library (& Cultural Center),
  Seinajoki, Finland, 1963-65
  Mt. Angel Abbey Library, St. Benedict, Oregon, 1970
POSTWAR CORB

From Purism to Nature: LE CORBUSIER (1887-1966)

* League of Nations, Geneva, Switzerland, 1927
  Lecture tour of South America, 1929; published as Precisions (1930)
  Centrosoyuz, Moscow, 1929-36
* Pavilion Suisse, Cité Universitaire, Paris, 1930 (p.322-3)
  Villa Mandrot, Le Pradet, France, 1930-31
  Salvation Army Hostel, Paris, 1933
  Low Cost Holiday House, Mathes, France, 1935
* Petit Maison Weekend (=Villa Felix), La Celle St. Cloud, 1935
  Plan Obus, Algiers, Algeria, Africa, 1930-35
* Project for UN Building, built by Harrison & Abramovitz, NYC, 1947-50 (p.410-11)
  Unite Apts., Marseilles, France, 1947-53 (p.436-441)
* Chapel of Notre-Dame, Ronchamp, France, 1950-54 (p.416-21)
  cf Superblocks & housing by Pierre Jeanneret, Maxwell Fry & Jane Drew
* Monastery of La Tourette, Le Corbusier, Eveaux near Lyons, 1953-7 (p.422-3)
  Philips Pavilion, Brussels World’s Fair, 1958
  cf Carpenter Center (Harvard),Le Corbusier, Cambridge, MA, 1959-63 (p.435)
  cf Venice Hospital (Proj.), Le Corbusier, Venice, Italy,1963-5 (p.434)
MODERN EXPRESSION & ORGANIC

The Other Tradition

Hans SCHAROUN (1893-1972)
* Berlin Philharmonic Hall, Hans Scharoun, Kulturforum Berlin, 1956-63 (p.470,473)
  Also: State Library (Staatsbibliothek), Scharoun, Kulturforum Berlin, 1967-78;
  and Chamber Music Hall, 1984 (based on sketches of Scharoun)
* Compare to: New National Gallery, Mies van der Rohe, Berlin, 1962-8 (p.645)

Frei OTTO & Stuttgart Institute for Lightweight Structures
  Frei Otto taught with Buckminster Fuller at Washington Univ., St. Louis in 1950s
  founded Institute for Lightweight Structures, Stuttgart, Germany, 1964ff
* Olympic Stadium, Otto with Günther Behnisch, Munich Germany, 1972 (cf. Blundell, Case Studies)

Jørn UTZON (1918-2008) (Pritzker 2003)
  Training under Kay Fisker, Steen Eiler Rasmussen, Gunar Asplund; travels to
  Africa, Asia, USA, Mexico
* Sydney Opera House, Utzon, Sydney, Australia, 1957-73 (p.467-9)
  with Ove Arup, structural engineering (1895-1988)
  cf Bagsvaerd Church, Copenhagen, Denmark, 1969-76 (p.612-3)

Eero SAARINEN (1910-1961)
  "Tulip Chair," for "Organic Design in Home Furnishings" competition, 1940
  cf. Case Study House #9 with Ch. & Ray Eames, Sta. Monica, CA, 1948
* St. Louis Arch (= Jefferson Nat'I Expansion Memorial), Saarinen, St. Louis, MO, 1948-66 (p.400)
  Kresge Auditorium & MIT Chapel, Cambridge, MA, 1953-5
  Ingalls Rink, Yale Univ., New Haven, CT, 1953-8
  cf TWA Building at JFK Airport, Saarinen, NYC,1956-62 (p.516)

Frank Lloyd WRIGHT (1867-1959)
* Guggenheim Museum, FLW, NYC, 1943-1956-59 (p.414-5)
  cf. Guggenheim, Bilbao, Spain, F. Gehry, 1992-7
  cf. Mercedes Benz Museum, UN Studio, Stuttgart
  cf. Ibera Camargo Museum, A. Siza,

Did not get to in class...
  Fallingwater, Bear Run, PA, 1935-38 (p.310-3)
  Pittsburgh Point Civic Center #1, #2, 1947-48
  Annunciation Greek Orthodox Church, Wauwatosa, WI, 1956
BRUTALISM & TECHNOLOGY

Brutalism
   Ethic or Aesthetic? Ugly?
   * Le Corbusier’s “beton brute”, Unite Apartment, Marseilles, France, 1947
   Smithson articles in Architectural Review 1954-7

   Alison & Peter SMITHSON (1928-1993; 1923-2003)
      Part of CIAM, then Team X...Independent Group, 1952-55;
   * Hunstanton School, Smithsons, Norfolk, England, 1949-54 (p.531)
      cf. Mies, IIT Buildings , Chicago, 1945-56
   Robin Hood Gardens, Smithsons, London, 1966-72 (p.533)

      Fan of Corbu; cf. article “Ronchamp,” Architectural Review (1956)

   Paul RUDOLPH (1918-1997)
   * Art & Architecture Bldg.(Yale), P. Rudolph, New Haven, CT, 1958-62 (p.560)
      Cf. F.L. Wright, Larkin Building, Buffalo, 1904 (p.126,152)
      Government Services Center, Boston, Rudolph, 1962-67
      Boston Urban Renewal
   * Boston City Hall, Kalmann McKinell, Boston, 1962-8 (p.515)

   ARCHIGRAM: Peter Cook, Warren Chalk, Ron Herron, Dennis Crompton, Michael Webb and David Greene
   * Plug-In City, Peter Cook / Archigram, 1964 (p.538)
   Walking City (Proj.), Ron Herron, 1964 (Frampton p.281)

   Alan Boutwell, "Continuous City", 1969
   * Centre Pompidou, Rogers & Piano, Paris, 1971-77 (p.600)

Did not get to in class....
Japanese METABOLISM
   End of CIAM 1958; Tange joins Team X; World Design Conference in Tokyo 1960
   Kenzo Tange, Kiyonori Kikutake, Kisho Kurokawa, Fumihiko Maki & others (cf. Anxious)
   Yamanashi Press & Radio, K. Tange, Kofu, 1961-7 (p.511)
   * Space City, Clusters in the Air, Metabolist City, (projs.) by Isosaki, 1960-63 (p.510; Anxious)
      Marine City (Proj.), Kikutake, 1958 (cf. Anxious)
      Tokyo Bay Project (proj.), Tange, 1962ff (cf Anxious, Ockman)
   Nagakin Capsule Tower, Kurokawa, Tokyo, 1971

   Paul Rudolf Proposal for Lower Manhattan Expressway, 1970
   Banham, Megastructure: Urban Futures of the Recent Past (1976)
TROPICAL MODERNISM & ENVIRONMENT

Dissemination of Modern Architecture, Regionalism, Role of Environment, Climate, Tradition, Culture, Technology, Symbolism, Place; Development of “Tropical Modernism” (vs. International Style)
Term “Third World” coined in 1952 to refer to countries unaligned with Communist bloc or Nato Capitalism
Fry & Drew, Tropical Modernism (1956); Rudofsky, Architecture without Architects (MoMA 1964); Rapaport, House, Form, Culture (1969)

BRAZIL
“Brazil Builds” MoMA Exhibit, 1943
cf. Brazil Pavilion, Niemeyer, New York World’s Fair, 1939
* Brasilia (new capital, promoted by President J. Kubitschek de Oliveira, 1956-1961) (p.500-1)
   Master Plan by Lucio Costa (1956-8)
   Architecture by Niemeyer, Brasilia, Brazil, 1957-70
   Congress, “Palaces”, Ministries, Cathedral, Supercuadra Living (p.500-501)

MEXICO
El Pedregal Landscape & Housing, Mexico City, L. Barragan et al, 1945-50 (p.391)
   Luis Barragan (1902-1988); Pritzker winner 1980 (2nd one ever)
* Barragan Own House, Barragan, Tucubaya - Mexico City, 1947 (p.495)
   Cf. Satellite City Towers, Barragan, Mexico City,1957 (p.497)
   Cf. Plaza Las Arboledas, Barragan, Mexico City, 1958-61 (p.490)
   Cf. San Cristobal (Egerstrom) House Stables, Barragan, Mexico City, 1968 (p.498)

MOROCCO
Carrieres Centrales by ATBAT (George Candilis & Shadrach Woods), Casablanca, Morocco, 1951-4
   Cite Horizontale, Michel Ecochard, 1951
* Cite Verticale, Candilis/WoodsATBAT, 1953 (p.443)

EGYPT
* New Gourna Village, Hassam Fathy, Cairo, Egypt, 1945-59 (p.569)
   Hassan Fathy, Architecture for the Poor (1969)
   Aga Khan Foundation for Architecture

Did not get to in class...

INDIA
Indian & Pakistan Independence 1947; Bangaldesh Independence 1971
   cf Superblocks & housing by Pierre Jeanneret, Maxwell Fry & Jane Drew
   cf. Dacca, Bangladesh, L. Kahn, 1962-74
Balkrishna Doshi (1927-present; worked in Corbu office in Paris 1951-54)
   ATIRA & PRL Low Cost Vault Housing, Doshi, Ahmedabad, 1957-60 (p.566)
* Sangath Studio Workshop, Doshi, Ahmedabad, 1972 (office founded 1955) (p.653-5)
   Aranya Housing, Doshi, India, 1983
   cf. Charles Correa, Gahndi Ashram, Ahmedaba, India, 1958 (p.571)

Mo. Nov. 11 #31 - Expressionism & Organic. Curtis: 400, 464-474
We. Nov. 13 #32 - Technology & Archigram; Curtis: 506-511, 528-545
Fr. Nov. 15 #33 - Tropical Modernism & Environment: Curtis: 490-505, 566-587
Mo. Nov. 18 #34 - Kahn, History & Monumentality DUE: Reading Report 10 (Optional)
   Lecture on the career of Louis Kahn, how he moved from his Beaux-Arts training to becoming one of the most revered modern architects of the century. What role did history play in developing Kahn:s unique form of modern architecture? What about technology? Geometry?
   Curtis: pp.512-527
   BLACKBOARD: Kahn, “Order is” and other excerpts.
# LOUIS KAHN - HISTORY & MONUMENTALITY

<table>
<thead>
<tr>
<th>Chronology</th>
<th>Concepts / Ideas / Theory</th>
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<tbody>
<tr>
<td>1901</td>
<td>Born Itze-Leib Schmuilowsky in Estonia / Russia</td>
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<td>1904</td>
<td>Burns face, scars for life</td>
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<td>1905</td>
<td>Emigrate to USA, very poor</td>
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<td>1924</td>
<td>B.Arch from U.Penn, Beaux-Arts training</td>
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<td>1928-9</td>
<td>European travel, interest in Carcassone &amp; Castles</td>
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<td>1929</td>
<td>Works for Paul Cret (Beaux-Arts, U.Penn Prof., Folger Shakespeare Library, etc.)</td>
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<td>1930</td>
<td>Marries Esther Kahn</td>
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<td>1932-45</td>
<td>Works with PWA, George Howe, Oscar Stonorov on housing</td>
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<td>1942-4</td>
<td>Carver Court war housing, Coatesville, PA</td>
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<td>1945</td>
<td>Begins work with Anne Tyng (Gropius student; interest in geometry &amp; structure; woman in a world of men)</td>
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<td>1947</td>
<td>Begins teaching at Yale</td>
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<td>* 1951-3</td>
<td>Yale Art Gallery extension, New Haven, CT (p.518)</td>
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<tr>
<td>1952</td>
<td>Stint at American academy in Rome, admires ancient ruins of Greece, Italy, Egypt; light, mass, history</td>
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<td>* 1952-55</td>
<td>Trenton Bath House / JCC, Ewing, NJ</td>
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<td>1957</td>
<td>Begins teaching at U.Penn (also MIT &amp; Princeton)</td>
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<td>* 1957-65</td>
<td>Richards Medical Labs, U.Penn, Philadelphia, PA (p.519)</td>
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<td>1958-62</td>
<td>Tribune Review Building, Greensburg, PA (local!)</td>
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<td>* 1959-65</td>
<td>Salk Foundation, La Jolla, CA (p.522-3)</td>
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<td>1959</td>
<td>First Unitarian Church, Rochester, NY</td>
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<td>1960</td>
<td>Norman Fisher House, Hatboro, PA</td>
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<td>1960-65</td>
<td>Erdman Dorms (Bryn Mawr),Kahn, Philadelphia (p.520)</td>
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<td>* 1962</td>
<td>Graham Foundation grant to study traffic movement in Philly</td>
</tr>
<tr>
<td>1961</td>
<td>Indian Inst. of Management, Ahmedabad, India (p.521)</td>
</tr>
<tr>
<td>1962-74</td>
<td>National Assembly, Dacca, Bangladesh (p.526-7)</td>
</tr>
<tr>
<td>* 1965-72</td>
<td>Phillips Exeter Library, Exeter, NH (p.520)</td>
</tr>
<tr>
<td>* 1967-72</td>
<td>Kimbell Art Museum, Fort Worth, TX (p.512,524-5)</td>
</tr>
<tr>
<td>1969-74</td>
<td>Yale Center for British Art, New Haven</td>
</tr>
<tr>
<td>1974</td>
<td>Dies at at Penn station, anonymous, in debt</td>
</tr>
</tbody>
</table>
POP & THE END OF MODERNISM

The “End” of Modernism
- Crisis of International Style Modernism, the Corporate Glass Box, Brutalism, etc.
- Urban Decay, urban renewal, urban removal, Penn Station destroyed 1960
- Jane Jacobs, Life & Death of Great American Cities (1961)
- Consumer & capitalist excess, waste, inequality, crowding, congestion
- Civil Rights Movement, Race Riots, assassination of JFK (1963), MLK (1968), RFK (1968)
- Women’s Lib., Equal Rights Amendment (ERA, 1970)
- Environmental Movement, Rachel Carson’s Silent Spring (1962); Earth Day (1970)
- Vietnam War (1959-75) & Anti-war Protests, Kent State Shootings, (May 1970)

Postmodernism
J. Habermas, “Modernity & Postmodernity” (1981)
First critique of PoMo; sees some value in reason, science, etc.

Architecture
Zines, Little Magazines, micronarratives...
Pop Art: Warhol (1962ff), Rauschenberg, etc.

Robert VENTURI (1925-present) (Pritzker 1991)
BA & M.F.A. from Princeton (1947, 1950)
Works for Saarinen, L. Kahn, Amer. Academy in Rome & U.Penn, 1951-65
Denise Scott Brown: meet 1960, marry 1967
* Vanna Ventriu House, Chestnut Hill (Philly), 1961-7 (= Mother’s House) (p.561)
* Guild House, Philadelphia, 1961-63 (p.562)
  vs. Crawford Manor by Paul Rudolph (Brutalism)
Visiting Nurses Assoc., Philadelphia, 1961-3
  “Gentle manifesto of non-straightforward architecture”
* Learning from Las Vegas: the forgotten Symbolism of Architectural Form (1972, rev. 1977)
  “Is Boring Architecture Interesting”? “Duck” vs. “Shed”

Aldo ROSSI (1931-1997)
Monument to Resistance, Cuneo, Italy, 1964
Monument at City Hall, Segrate, Italy, 1965
* Architecture of the City, 1966
* Gallaratese Housing, Milan, Italy, Rossi, 1969 (p.588, 592)
POSTMODERNISM 1

Aldo ROSSI (1931-1997)
  Monument to Resistance, Cuneo, Italy, 1964
  Monument at City Hall, Segré, Italy, 1965
* Architecture of the City, 1966
  Memory, Autonomy, Typology
  Gallaratese Housing, Milan, Italy, Rossi, 1969 (p.588, 592)

Charles MOORE
* Sea Ranch, Moore, 1963
  UC Santa Barbara Faculty Club, 1968 (p.563)
  Kresge College, UC Santa Cruz, 1965
* Piazza d'Italia, Moore, New Orleans, 1975-9 (p.603)
POSTMODERNISM 2

James STIRLING
* Staatsgalerie, Stuttgart, 1977 (p.607)

Richard MEIER
Smith House, Darien, CT, 1967
Giovannitti Hse., Pittsburgh (Chatham Campus), 1978-83
Atheneum, Meier, New Harmony, IN, 1978-9

Peter EISENMAN
Falk House (House II), Hardwick, VT, 1969
Miller House (House III), CT, 1972

Michael GRAVES
* Benacerraf House, Graves, Princeton, 1969 (p.565)
Graves, Fargo-Moorhead Cultural Center, Graves, 1977 (p.604)
* Portland Building, Portland, OR, 1980 (p.620)

Peter Eisenman, Michael Graves, Charles Gwathmey, John Hejduk, Richard Meier, and led by Rowe

“Greys” - "Five on Five," Architectural Forum (May 1973)
Romaldo Giurgola, Allan Greenberg, Charles Moore, Jaquelin T. Robertson, Robert A. M. Stern, and led by Venturi

Charles MOORE
* Piazza d'Italia, Moore, New Orleans, 1975-9 (p.603)

Postmodernism
Jencks, Postmodern Architecture 1977
Destruction of Pruitt Igoe Housing, St. Louis, Mo, by Yamasaki, 1972
* Venice Biennale, curated by Paqolo Portoghesi, 1980
Strada Novissima - Venturi, Stern, Graves, Hollein, et al
Po-Mo goes Corporate
   Phillip Johnson
      PPG Glass Building, Pittsburgh, 1980
   * AT&T Building, P. Johnson, NYC, 1979 (p.599)

Critical Regionalism & Tectonics
   K. Frampton, Five North American Architects (2011)
      S. Saitowitz, B. Shim + H. Sutcliffe, R. Joy, J.+P. Patkau, S. Holl

Deconstructivism & Pragmatism
   Wexner Center, Eisenman, Ohio State Univ., Columbus, OH, 1983 (p.665)
   P. Johnson & M. Wigley, eds. Deconstructivist Architecture exhibit & catalogue, MoMA, 1988
      Peter Eisenman, Frank Gehry, Zaha Hadid, Coop Himmelblau, Rem Koolhaas, Daniel Libeskind, and
         Bernard Tschumi
   Gehry House, Gehy, Santa Monica, CA, 1977
   Parc de la Villette, Tschumi, Paris, France, 1984-9 (p.665)