Test Review #2 Design 20

# CHAIRS

Klismos Greek 5th & 4th century BCE



Curving, splayed sabre-shaped legs Hand carved Fabric or animal skin on the seat.

MICHAEL THONET Bentwood chairs, light and curvilinear. Developed a system of steam bent veneers. Seats of cane or plywood. Mass production, low prices Cafe chair 1st produced 1859 & still in production.



MARCEL BREUER, architect Bauhaus Among first to use tubular steel

Wassily Chair For painter Wassily Kandinsky's home Tubular-steel & leather

Cesca Chair Most archetypal ex. of steel furniture Woven cane seat, cantilever "Cesca" after daughter Francesca.



MIES VAN DER ROHE Cantilever Chair With and without arms Tubular steel and leather

Barcelona Chair (Mies) First displayed International Exposition 1929 Chrome frame Leather upholstery & straps Cantilevered over x frame



Brno Chair For Tugendhat House in Brno, Czech Cantilever steel and leather

LE CORBUSIER Grand Comfort Armchair Furniture = machine for sitting Chrome plated tubular steel frame. Leather cover



Chaise Lounge Rubber webbing and animal skin/ leather Rocking and multiple positions

EERO SAARINEN

Tulip chair One leg - pedestal chair Reinforced-plastic shell Load-bearing capabilities of early plastic required aluminum stem.



Womb chair Covered fiberglass shell with: foam rubber padding and upholstery

# **RAY & CHARLES EAMES**

Architect & Furniture design, Function of chair more important than appearance. Charles & Ray Eames (husband & wife) and Eero Saarinen developed (1940's): New laminates & wood bending techniques, Fiberglass and plastics for furniture. Produced for Navy during the WWII: Wood leg splints, stretchers, & aircraft parts

Eames Wood Dining Room Chair Laminated Wood Some with metal legs Some animal hide upholstery mechanical details visible



Lounge Chair and Ottoman Eames' first design for luxury market Leather and wood Not mass-produced, hand labor & craftsmanship

EAMES AND SAARINEN Plastic armchair Fiberglass shell Material developed for aircraft radar domes First fiberglass chair

ARNE JACOBSEN, Danish architect Ant Chair Jacobsen's most successful design Still in production 1 piece molded plywood seat & back



Egg Chair

Shell + molded polyurethane foam Upholstered with fabric or leather Can swivel & adjustable Tension depending on the user's weight. Star base is made of aluminum.

Swan Chair Similar to egg chair, with wings.

GERRIT RIETVELD Red and Blue Chair 1918 Regarded as first modernist chair. Lacquered wood RIETVELD (CONT.) Zig-Zag Wood, cantilever Response to Bauhaus steel chairs

ALVAR AALTO Finnish Architect Cantilever Removed layers of veneer at areas of greatest curve Laminated birch, bent and rolled to provide support

60'S CHAIRS: Pop culture in / functionalism out Explore the new materials and processes .

VERNER PANTON First single-piece plastic chair Borrowed shape of Rietveld's Zig-Zag

#### HANS WEGNER, Danish

PEACOCK CHAIR

solid ash and teak comfort was a goal

Classic Chair (aka "The chair") solid teak, woven cane seat harmony of craftsmanship & modern design handmade sculpture-like forms. Careful study of human form

### **ITALIAN CHAIRS:**

Sacco

Leather or vinyl bag Filled with polystyrene beads

Marilyn (After Marilyn Monroe) Lips design Reinterpretation of Dali's Mae West Sofa Lightweight foam construction Joe (After Joe DiMaggio) Inspired by Claes Oldenburg

Natural glove leather, expensive Molded polyurethane foam

Blow (inflated)

pop material cheap and expendable

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70'S CHAIRS Growing concern over environment: Oil crisis of 1973, earth's dwindling resources.

# FRANK GEHRY

Easy Edges

Laminated corrugated cardboard Immediate success, withdrawn by Gehry (Didn't want to distract from reputation as architect.)

#### Little Beaver

Edges left as if an animal had been chewing Laminated corrugated cardboard

### (FRANK GEHRY, CONT.)

Hat Trick or Apple Basket series

Inspired by wicker furniture & bushel baskets Collection named after ice hockey terms Laminated hard white maple

#### PHILIPPE STARCK, French

Defends plastics as only ecologically sound solution

# Costes Chair

Plywood on black lacquered steel base Leather and ebony trim

Eros

Martini glass shape. Plastic and chromed-steel base

Dr. Glob Chair

Front legs and seat polypropylene (red), Rear legs; steel tubing

# INDUSTRIAL PRODUCTS

Design for large-scale industry & mass distribution. Significant style trends Industrial design

- MAYA Design Most advanced, yet acceptable
  Packaging Embellishment
- Protective case for a product
- Streamlining -- bullet shapes & sleek lines Minimizes resistance through a fluid or air.
- 4. Accelerated obsolescence Esthetic design changes that tempt owners to replace goods more frequently

AMERICAN DESIGN examples: Zeroll Ice Cream Scoop Defrosting fluid uses body heat Zippo Lighter lifetime guarantee Lear Jet First mass manufactured business jet Slinky -- Originally to stabilize ship instruments Tupper Ware Original seals for WWII gas masks Tea Kettle Michael Graves Segway Human Transporter-self-balancing scooter Intel microprocessor. IBM used in its first PC Macintosh Classic Apple computer

#### RAYMOND LOEWY

One of most successful American designers Largest design firm in 1930's Air Force One for President Kennedy S-1 Locomotive, Silversides Greyhound bus Studebaker automobile, Sncase helicopter Sears Coldspot refrigerator Lucky Strike pack, Shell & Exxon logos

#### WALTER DORWIN TEAGUE

Kodak cameras and Polaroid Cameras Cash Register

(TEAGUE CONT) Texaco Stations Blue Sled glass radio Boeing 707 interior

PHILIPPE STARCK Architect furniture & industrial designer Designed interiors for French President Mitterand Hot Berta tea kettle. Water in thru handle Juicy Salif lemon juicer cast aluminum Dr. Kiss toothbrush, Dr. Skud fly-swatter

#### ARCHITECTS

EERO SAARINEN, Finnish International Style (Modern) & Expressionism

General Motors Technical Center Mich. reflected modern technology stainless steel

CBS Headquarters - only skyscraper (NY)

Dulles Airport, Virginia For Federal Government. Steel & concrete suspension structure.

TWA Kennedy Airport Free-flowing curves, concrete Bird-like symbolism Fully-designed environment

Gateway Arch St. Louis, Missouri stainless steel graceful sweeping tapered curve

PHILIP JOHNSON

Modern & Post Modern architect. Director Architecture Department, MOMA (New York) Intro. European modern architecture to America Coined term: International Style:

Seagram's Building. Collaborated with mentor, Mies on

"Glass House," Connecticut Johnson's own home Rectilinear structure Use of large glass panels as walls. Central brick cylinder containing a bathroom Low walnut cabinets for kitchen equipment.

Crystal Cathedral. Garden Grove LA Structure: 4-pointed star A gigantic chimney for cooling. Bigger than Notre Dame Cathedral Steel frame tent with glass panels Post Modern Architecture & Johnson Late 20th-century architecture Includes historical references Classical elements reintroduced More playful than classical or classical revival

American Telephone and Telegraph N.Y. Top resembles Chippendale cabinet Postmodern architectural landmark

Pittsburgh Plate Glass -- Gothic post modern

San Francisco Financial District: 101 California sawtooth setbacks glass cylinder, open atrium 40 foot piers cut through atrium 580 California faceless sculptures glass mansard roof

MICHAEL GRAVES Portland Building Post-Modern Icon Energy efficient, low budget Small square windows Deep colors—browns, blues, and rusty red

Team Disney, Burbank Post-modern Disney Corporate Offices & studio lot. Columns: 7 dwarfs Mural in dinning room by Graves

Hyatt Regency Japan Copper clad columns, red sand stone base Pyramid on dome, which illuminates lobby

Clos Pegase Winery, Napa Valley, post modern

FRANK GEHRY, Canadian Deconstructed architectural style Exploded aesthetic. Adapted aerospace software to architecture.

Gehry House Santa Monica Deconstruction Re-working conventional, bungalow "Cheap tech" off-the-shelf and ordinary Old house wrapped with metal slipcover Slanted lines and angled protrusions.

Norton House Venice, California Post-Modern Lifeguard shack, log tori Maximize views & privacy on a tiny site (GEHRY CONT.) Chiat/Day Office Venice, California. White building nautical look Copper clad columns: forest Binoculars (Claus Oldenburg) entry to the building skylights in eye piece conference rooms Netherlands Group, Czech Republic "The "Wave" or Fred and Ginger Steel, glass, precast concrete Guggenheim, Bilbao, Spain Limestone, titanium Walt Disney Concert Hall, LA Exterior titanium. Interiors douglas fir. **RICHARD MEIER** Modern architect Materials and techniques White enameled panels and glass. Influenced by Corbu Douglas House Michigan Lake side slope White structure contrasts with environment Interior floor extends through glass wall to deck Multiple levels/planes Nautical look High Museum of Art, Georgia Steel columns & concrete White porcelain-enameled steel Interior is an homage to Wright's Guggenheim Getty Center Los Angeles, 1997. Art Museum funded by: Getty, American oil billionaire Material: travertine (type of limestone)