Automotive

- Model T Ford ~1910 – 1928
- VW Beetle ~1936 – 2003
- Chevrolet Corvette 1953 – 2003
- Porsche 911 ~1960 – 2003
- Morris Mini-Minor ~1960 – 1980s
- Ford Mustang 1964 – 2003
- Pontiac GTO ~1964 – 1978
- Chrysler Mini-van ~1982 – 2003

Classic Designs

Sam Drake
Rich Riesenfeld
University of Utah

Ford built 15,000,000 automobiles with the Model "T" engine, the longest run of any single model apart from the Volkswagen Beetle.

Model T Ford

- First mass produced vehicle
  - Available to average person
- Prices dropped as production increased for a number of years
- Not a very good design
  - Had serious front suspension problems
  - Should have been phased out sooner

Ford Model T
VW Beetle

- Advanced design for 1930s
  - Unibody design
  - Integrated powertrain
- Designed by Ferdinand Porsche
- Continually improved
- Relatively poor performance

Chevrolet Corvette

- First production car with composite body
- Early use of Fuel Injection, 1957
- Early use of 4W independent suspension, 1963
- Early use of 4W disk brakes, 1965
- Other innovative use of materials
- Very high performance with relatively low price and good driveability
Porsche 911

- Same basic body style and layout since early 60's
- Relatively high performance especially in recent years.

Morris Mini-Minor

- Defined the layout of most contemporary cars
  - Front wheel drive with transverse engine
- Very efficient use of space
- Innovative use of elastomers in suspension
- Designed by Moulton
• Moderate performance car derived from basic compact car (Ford Falcon).
• Championed by Lee Iococca
• Romanticized by Marketing
  - “Un homme et une femme,” 1966 film hit, featured a Mustang
  - It was chic (didn’t do hip), at the time

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**Pontiac GTO**

- Defined the muscle car era
- Mid sized car with large high performance engine
- GTO by Ronny and the Daytonas
  - “Gonna save all my money and buy a GTO”
- 409 by The Beach Boys

**Chrysler Mini-Van**

- Defined the contemporary mini-van
  - Front wheel drive with transverse engine
  - New concept, very efficient use of space
  - Based on Chrysler “K-car”
  - Championed by Lee Iococca
  - Met major need for many households
    - More headroom, more comfortable
    - Replaced standard family Ford stationwagon

**Aircraft**

- Early Curtiss aircraft
- Douglas DC-3
- Japanese Zero Fighter
- North American P-51 Mustang
- Messerschmidt ME262 Jet Fighter
- Piper Cub, Cessna 182/Skyhawk
- Boeing 707
  - Also, 727, 737, 747
- General Dynamics F-16
Boeing 707

- Backbone of longhaul jet air travel
  - Especially over North Atlantic
- Beat the competition to market
  - Dominated thereafter
- Not highly efficient by today's standards
  - Fuel was cheap

Boeing 727

- Short to Medium haul
- Rear engine configuration
- Agile in and out of airports

Boeing 737

- World's most successful aircraft

Boeing 747

- Medium haul airplane
  - High "take-off / landing" duty cycle
- Highly efficient for fleet use
- Many economies
- Reasonably comfortable
Boeing 747

Firearms

- Winchester 1894 Lever Action 1894 – 20??
- Colt 1911 0.45 Automatic Pistol 1911 – 20??
- FN recoil operated automatic shotgun
- Remington gas operated automatic shotgun
- Browning 0.50 caliper machine gun 1919 – 20??

Winchester 1894

Colt 1911
FN Recoil Auto Shotgun

Remington Shotgun

Browning M2 50 Caliper

Computers

- IBM 360 Mainframe
- Digital Equipment PDP-11 Mini computers
- Original Apple MacIntosh
- Intel 8086 based computers (Wintel boxes)
### Consumer Items

- 3M Scotch Tape, Posit Notes
- Gillette Safety Razor
- Bic Pen
- Coke Bottle
- Nikon F 35 mm camera

### Other Categories

- Agricultural Equipment
  - John Deere Tractors
- Construction Equipment
  - Caterpillar D-series tractors
- Locomotives
  - EMD FT, F-3, F-7, SD40-2
- Motorcycles
  - Harley Davison V-Twin

### John Deere

![John Deere Tractor](image1)

### Caterpillar Tractor

![Caterpillar Tractor](image2)
EMD FT, F3, F7

Harley Davison V-Twin

Classic Designs

END