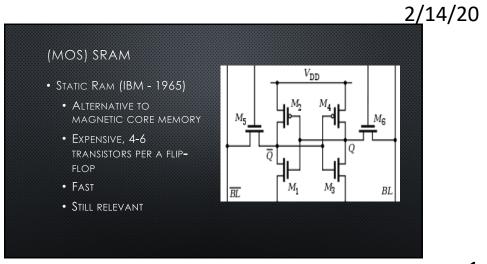
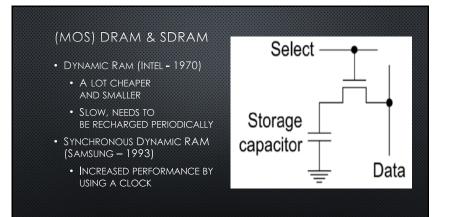
COMPUTER MEMORY
PART II

Jeffrey Grange and Konrad McClure



1







Transfer Rate (GB/s) DDR SDRAM • DOUBLE DATA RATE SDRAM (SAMSUNG – 1998, 2003, 2007 & 2014) USES BOTH RISING AND FALLING EDGE OF CLOCK TO ACHIEVE HIGHER EFFICIENCY Voltage (V) • EACH ITERATION IMPROVED VARIOUS ASPECTS, SUCH AS POWER EFFECIENCY, BUS CLOCK RATE AND PREFETCH BIT COUNT. DDR1



STORAGE We're skipping it



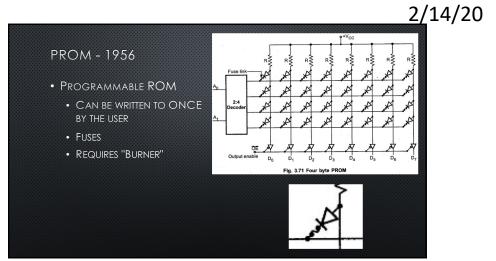
MROM

• MASK ROM

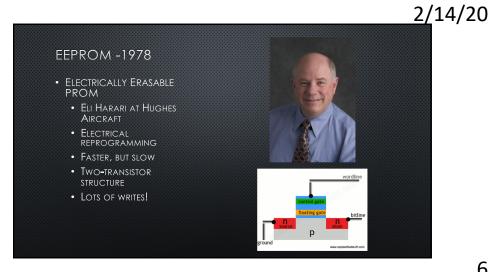
• FIRST ITERATION OF ROM

• INEXPENSIVE

• PRE-PROGRAMMED AT MANUFACTURE







<u>2/</u>14/20

FLASH MEMORY - 1984

- MODERN EEPROM
 - FUJIO MASUOKA AT TOSHIBA
 - SSDS, SD CARDS,
 FLASH DRIVES, GAME
 CARTRIDGES
 - MILLIONS OF WRITES



	neline: https://www.computerhistory.org/timeline/memory-storage/#169ebbe2ad45559efbc6eb357202d1e7
	ttos://www.computerhope.com/history/memory.htm /www.newworldencyclopedia.org/entry/Read-only-memory#Types-of-ROMs
	http://www.newwondencvclobeala.org/enit/vikeaa-oniv-memory#nvoes-on-kows_ http://www.newwondencvclobeala.org/enit/vikeaa-oniv-memory#nvoes-on-kows_
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