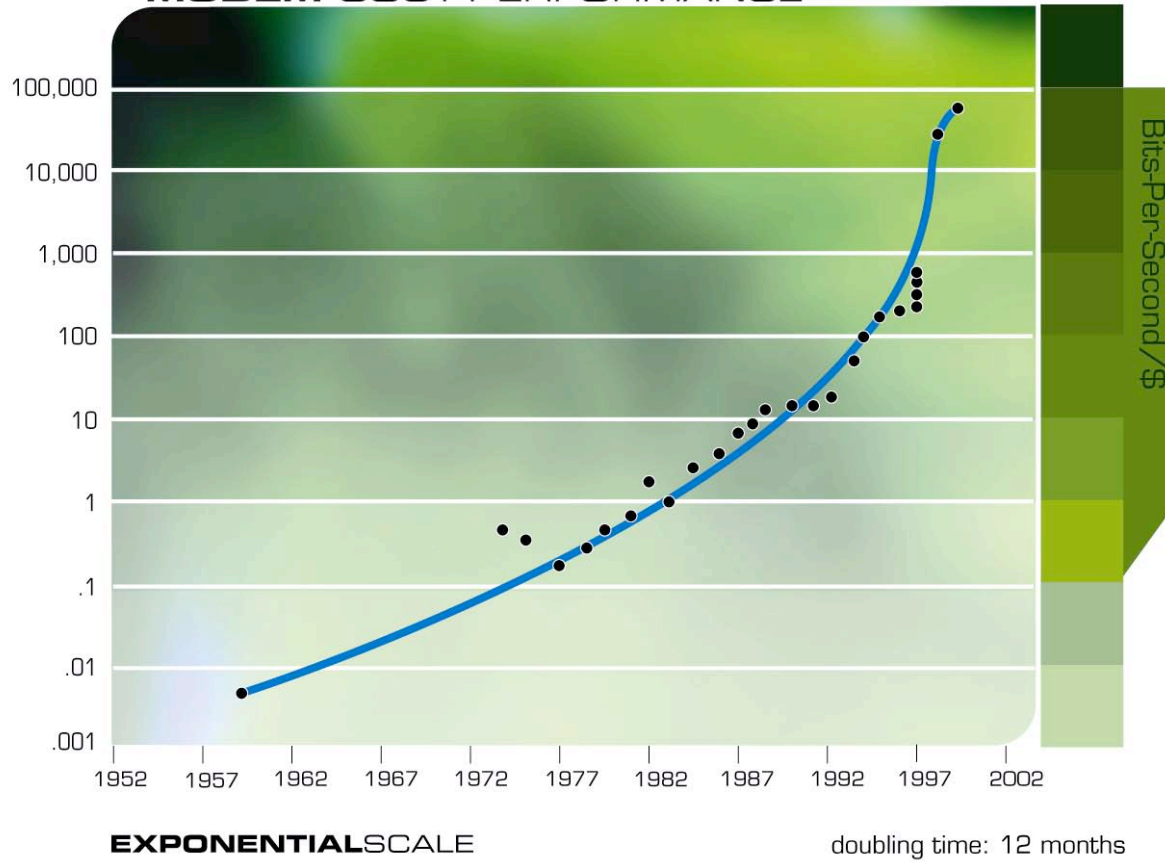
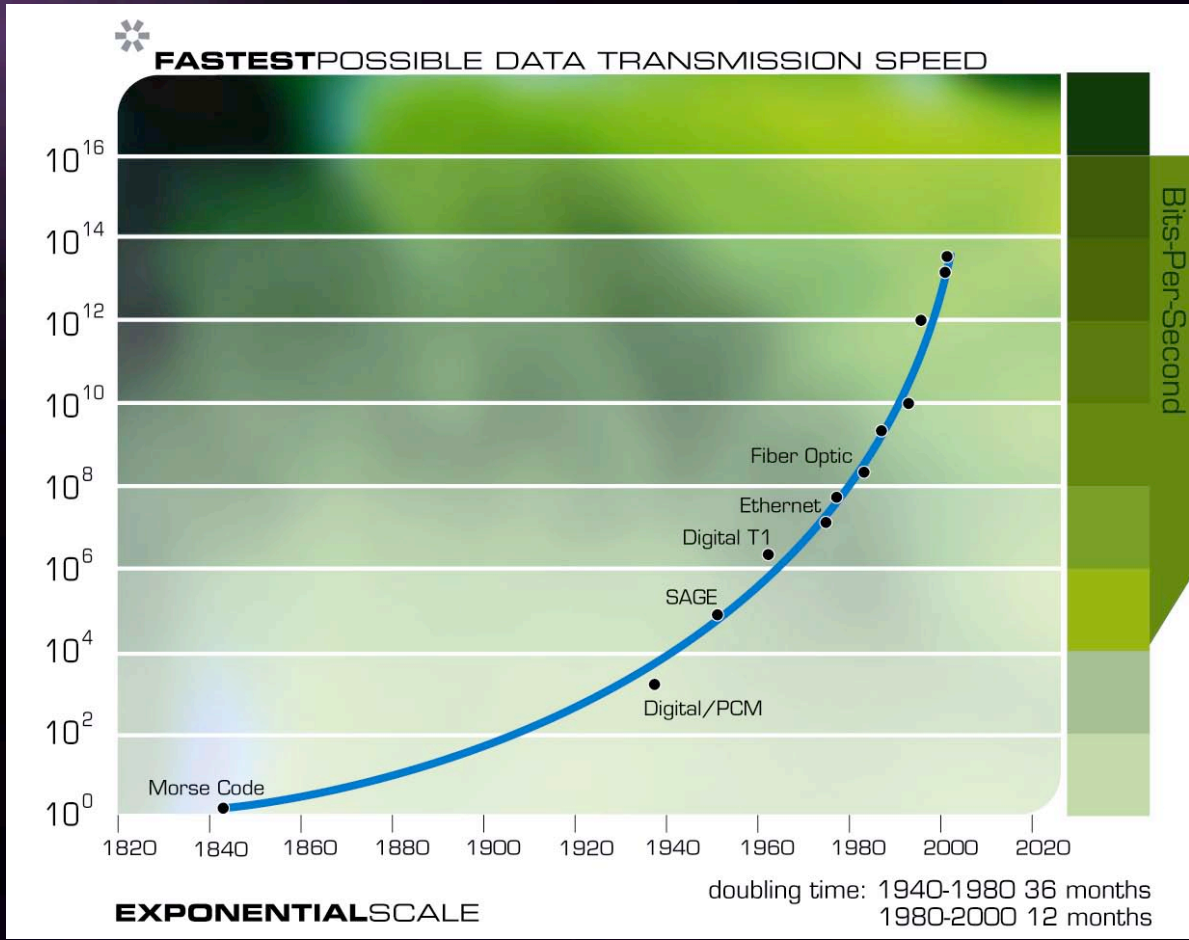


# MODEM COST-PERFORMANCE

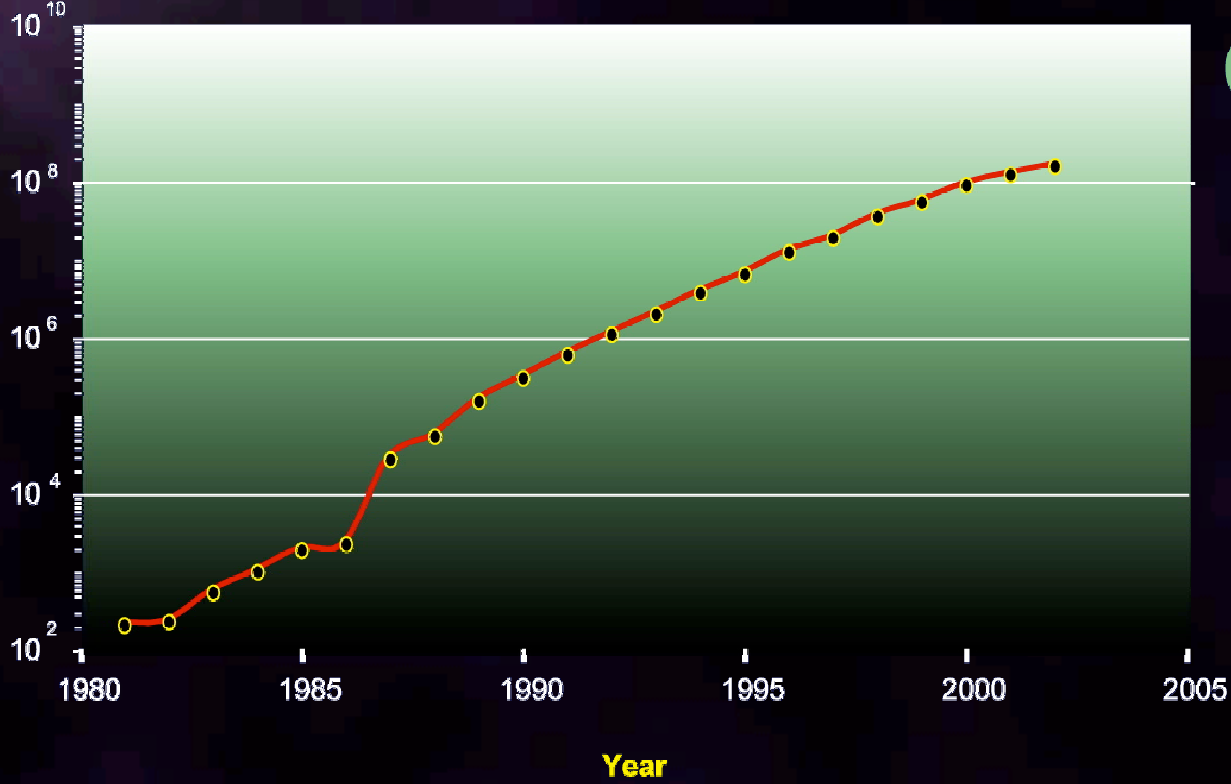




# Internet Hosts

Logarithmic Plot

Internet Hosts

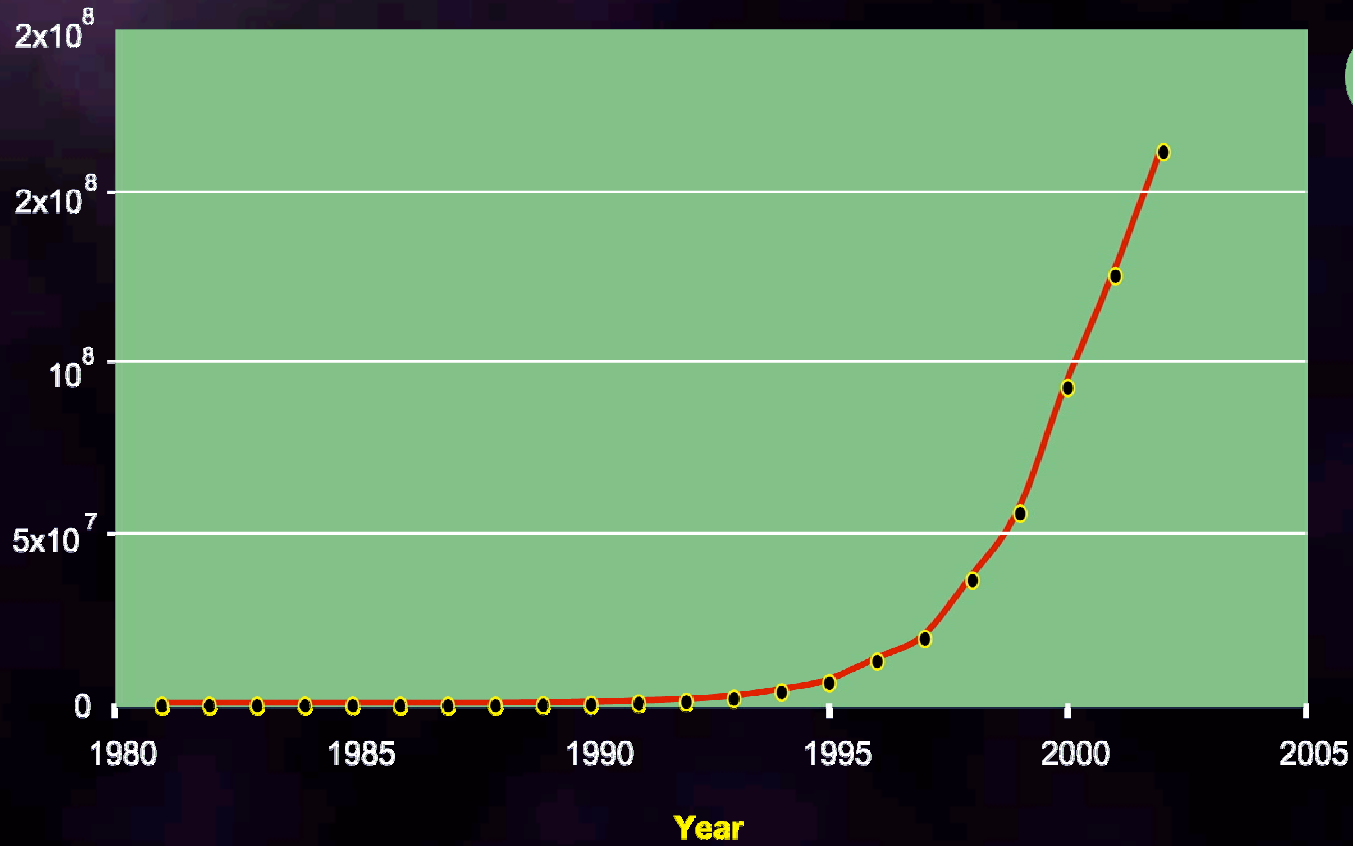


Data from: Internet Software Consortium


# Internet Hosts

Linear Plot

Internet Hosts



Data from: Internet Software Consortium

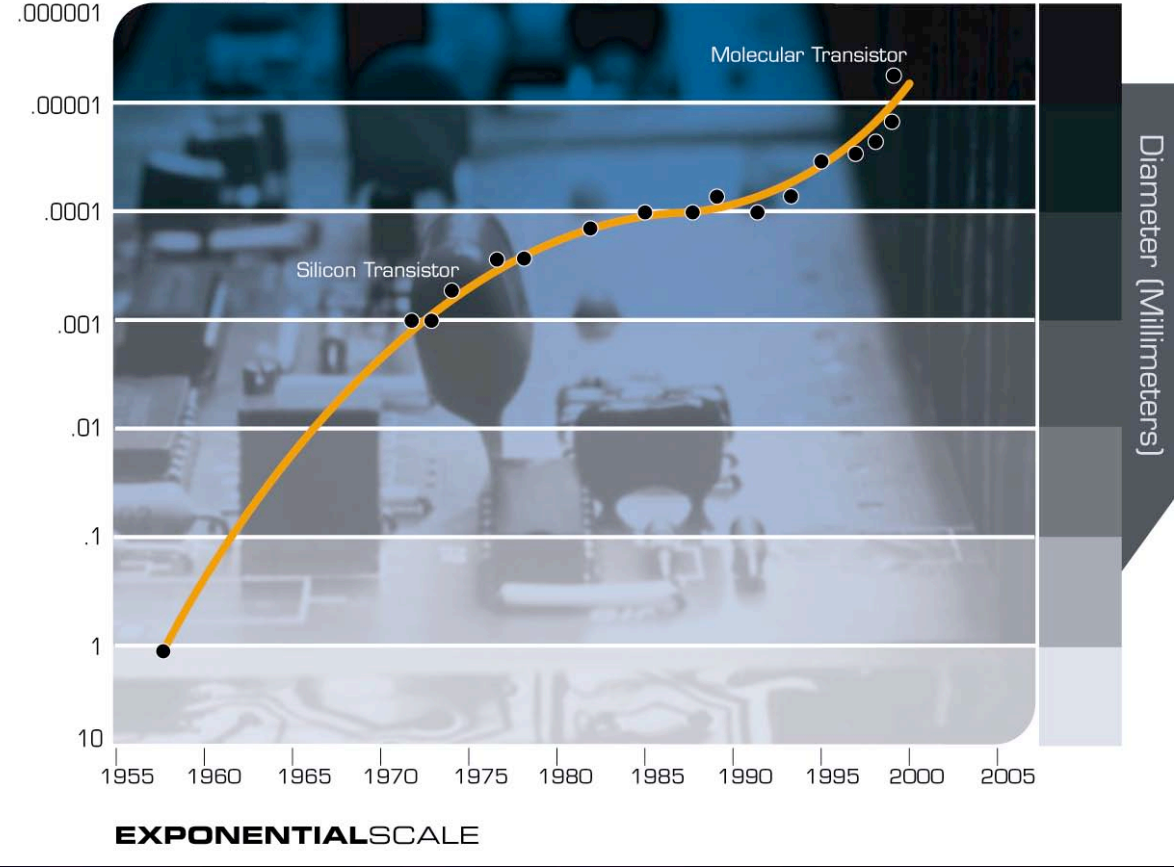


Miniaturization:

*another exponential trend*

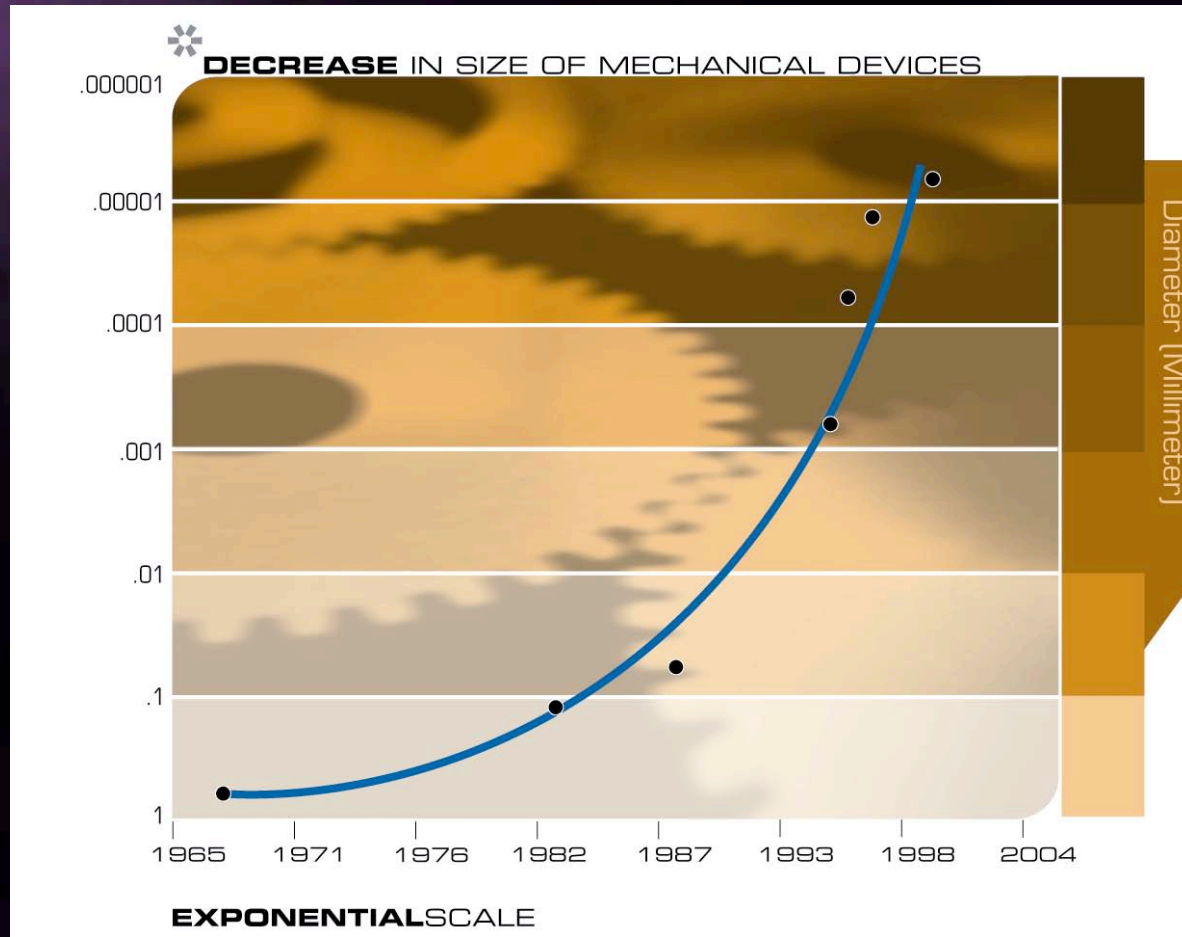


### DECREASE IN TRANSISTOR SIZE

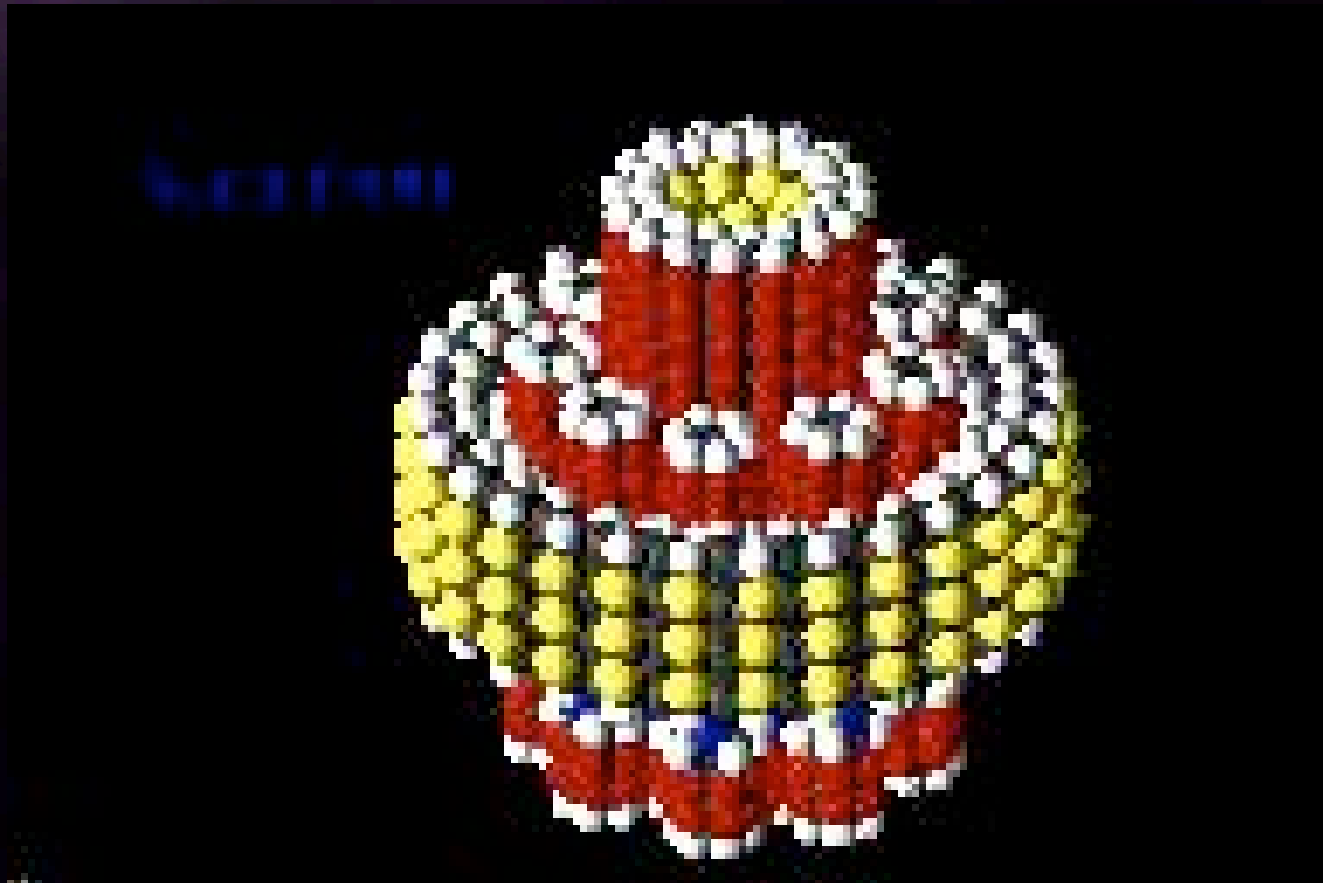


**EXPONENTIALSCALE**

Diameter [Millimeters]



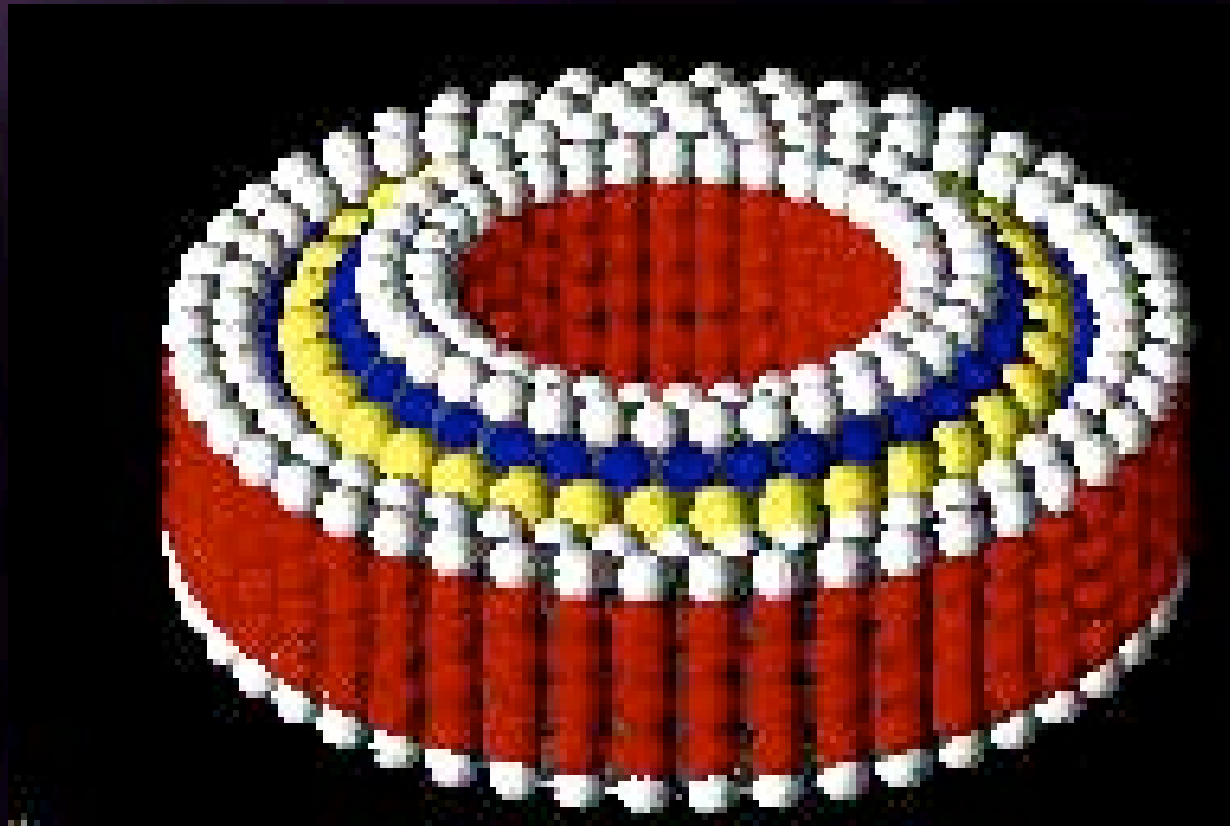
# Planetary Gear



Copyright IMM and Xerox

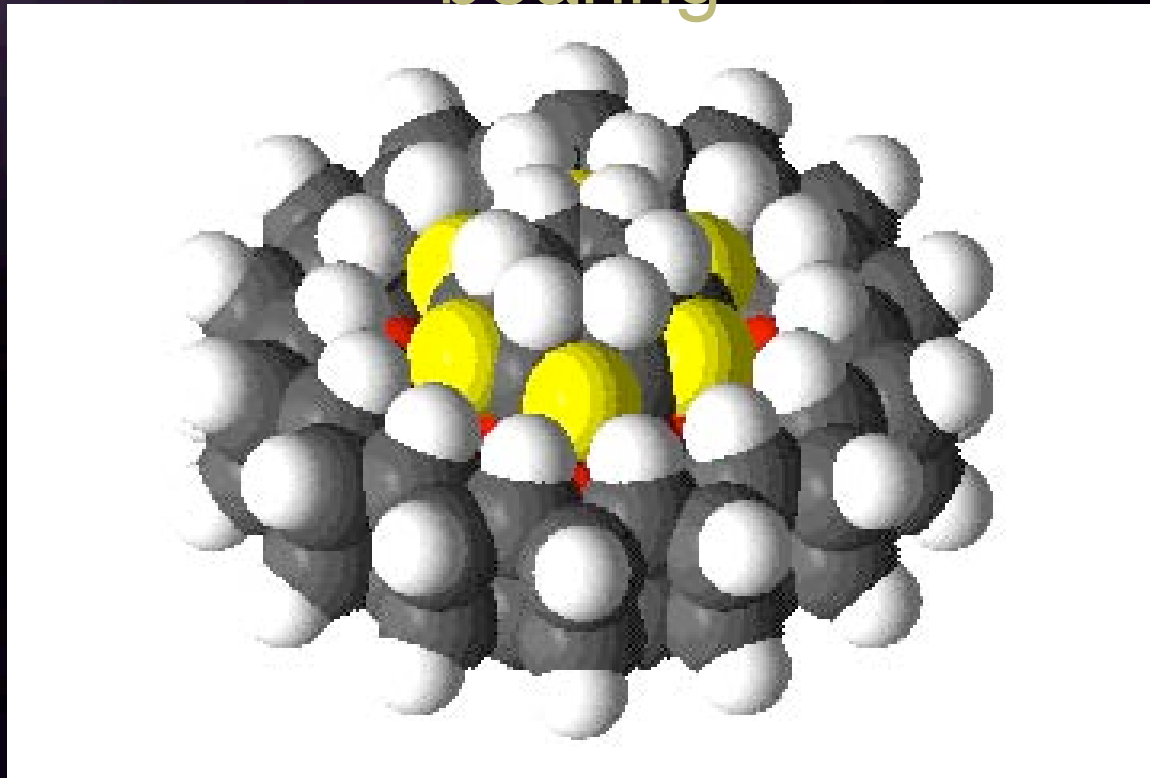


# *Nanosystems bearing*



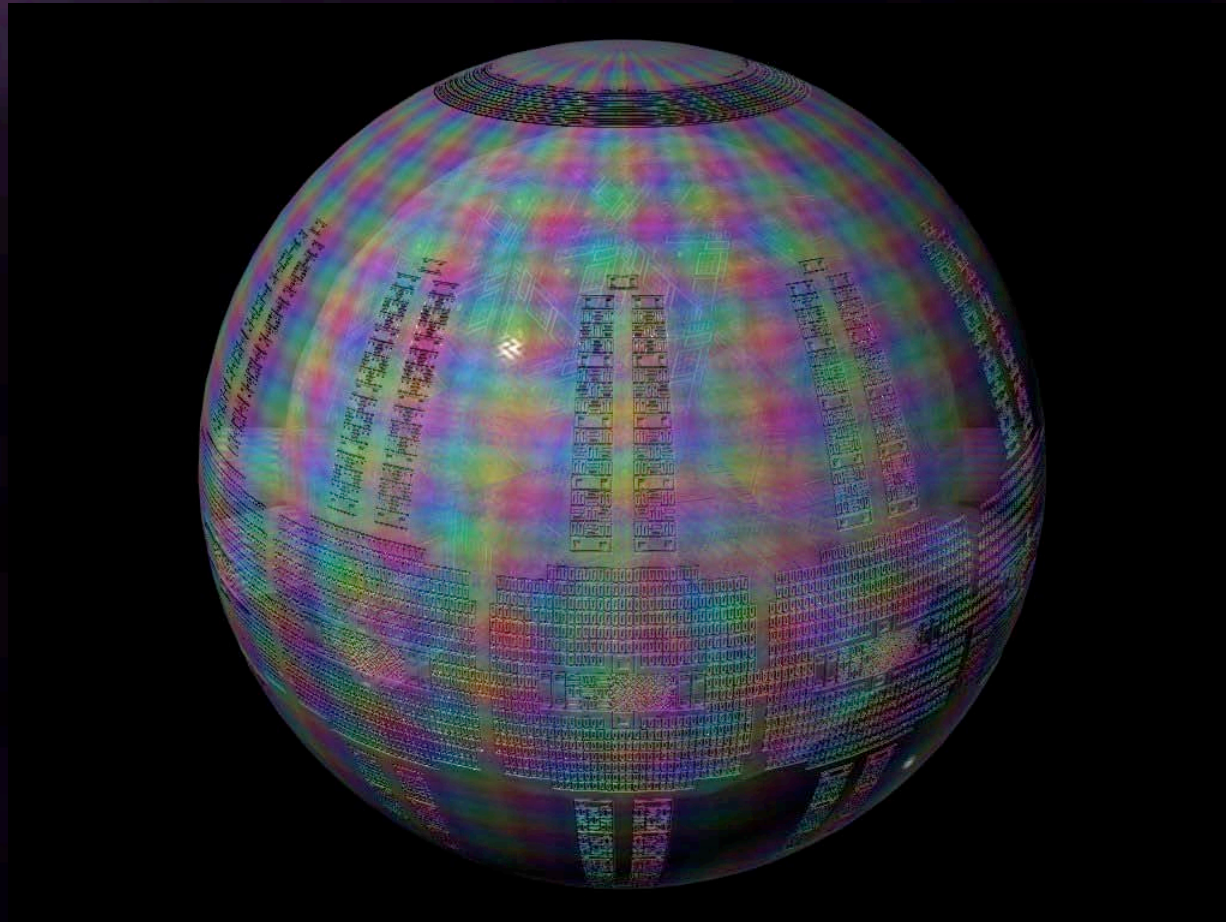
Copyright IMM and Xerox

# *Nanosystems smaller bearing*



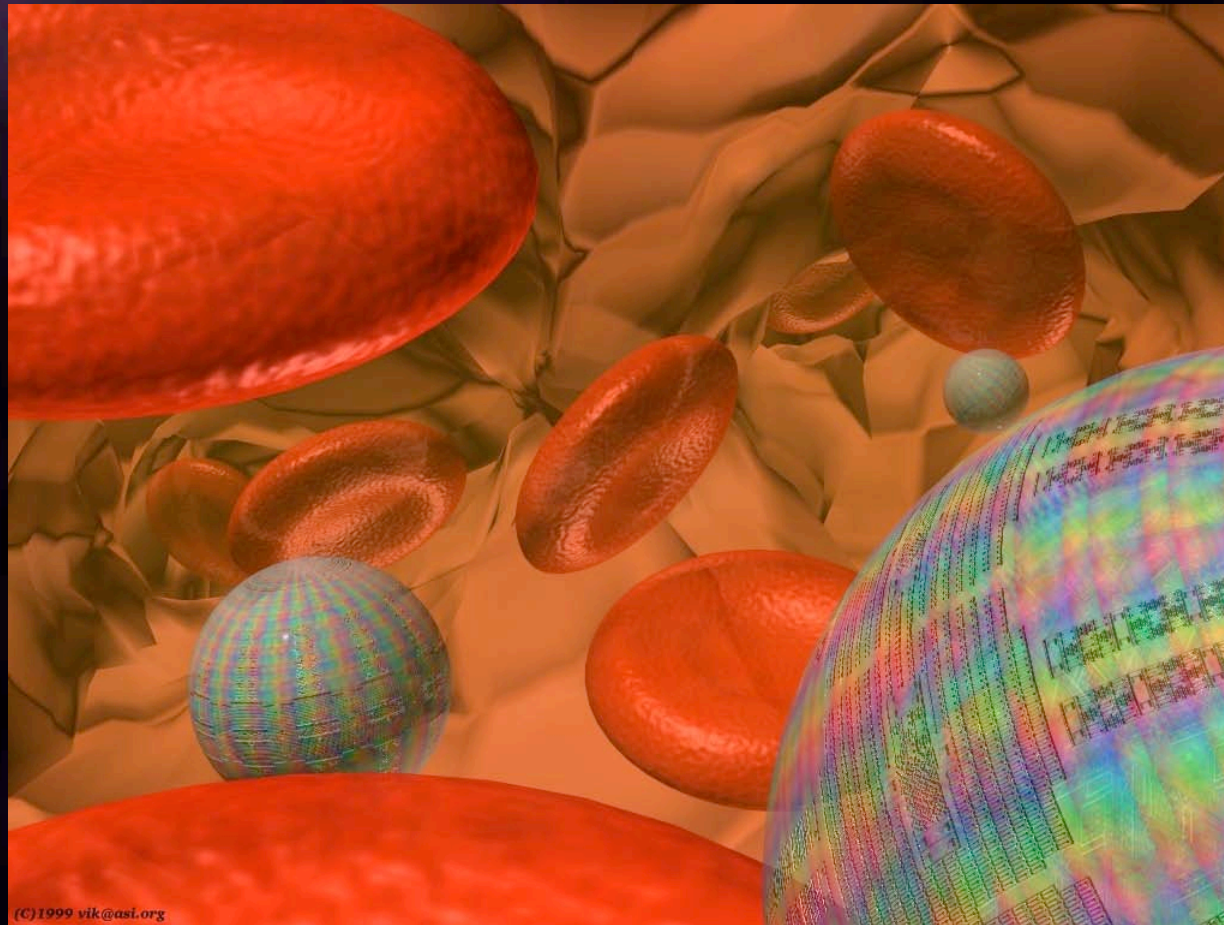
Copyright Zyvex and Robert Freitas, designer

# Respirocyte *(an artificial red blood cell)*



Copyright Vik Olliver, vik@asi.org.

# Respirocytes with Red Cells



(C)1999 vik@asi.org

Copyright Vik Olliver, vik@asi.org.

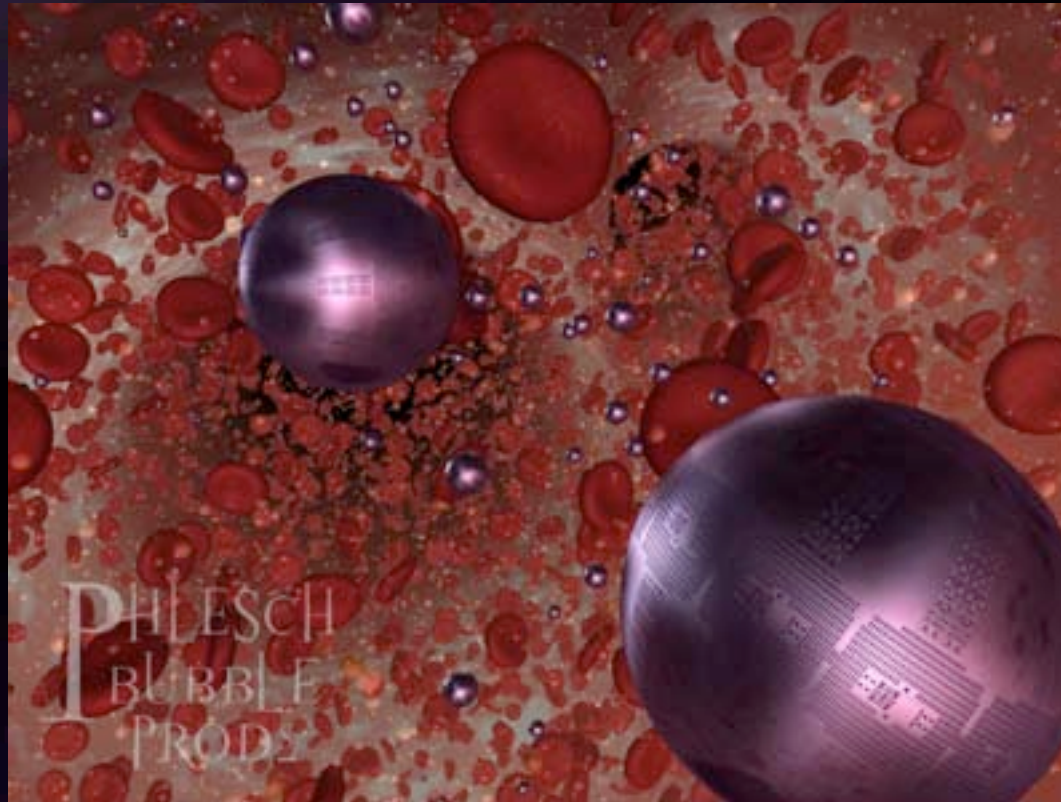
## Animation of a respirocyte releasing oxygen in a capillary



Copyright 2001, Lawrence Fields, Jillian Rose, and Phlesch Bubble Productions.

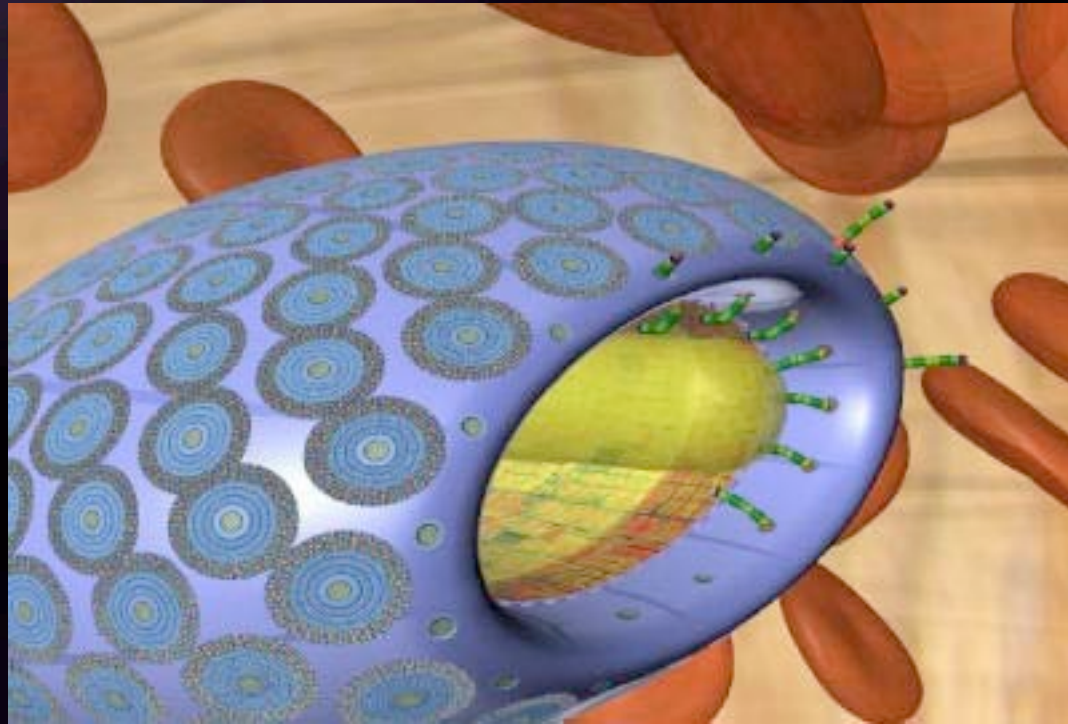


# High resolution still from the Animation of a respirocyte



Copyright 2001, Lawrence Fields, Jillian Rose, and Phlesch Bubble Productions.

# Microbivores II



copyright Zyvex (Katherine Green)