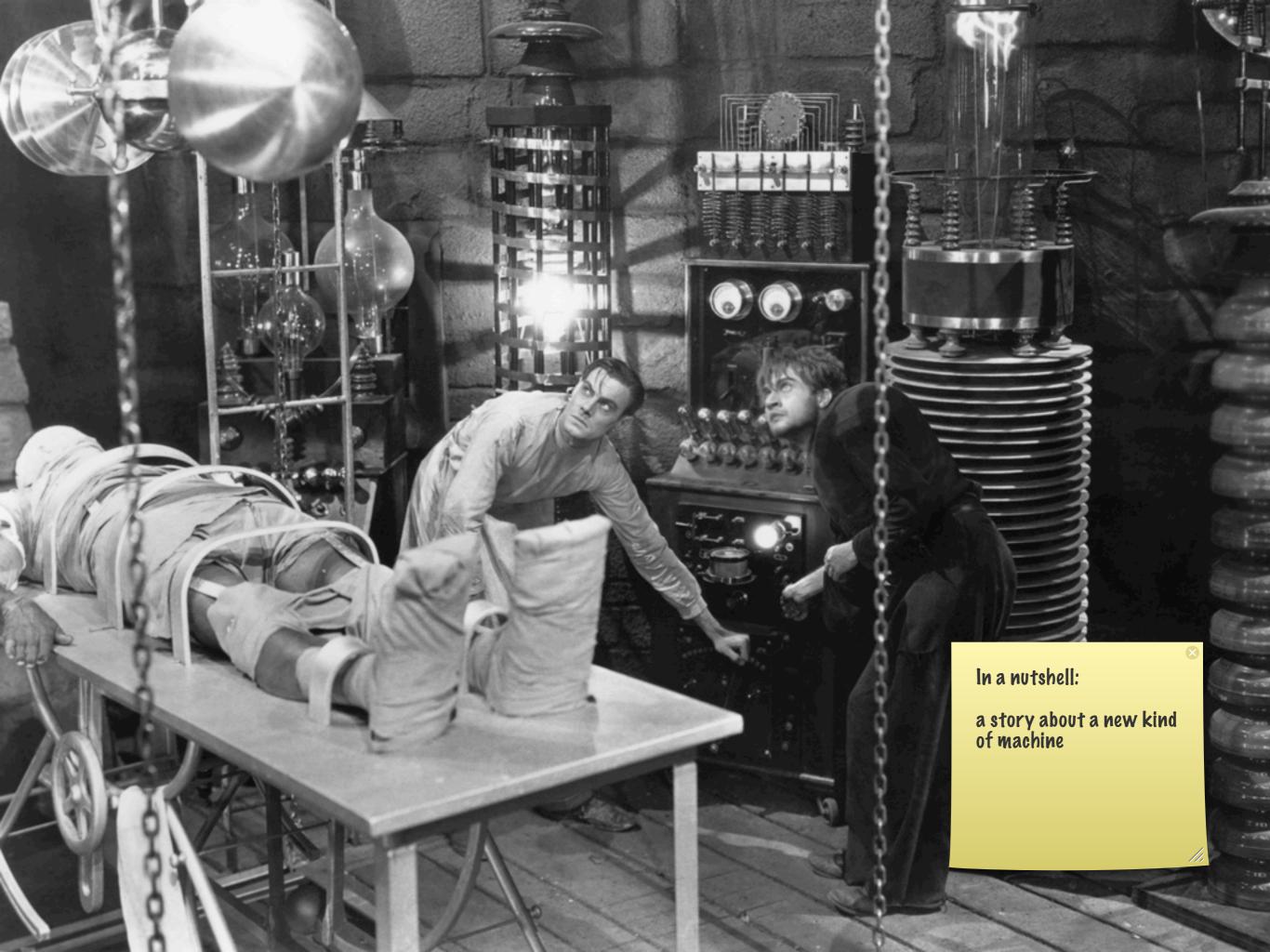
26C3 Here be Electric Dragons

Preparing for the Emancipation of Machines

Some Thoughts by Lorenz G Lechner



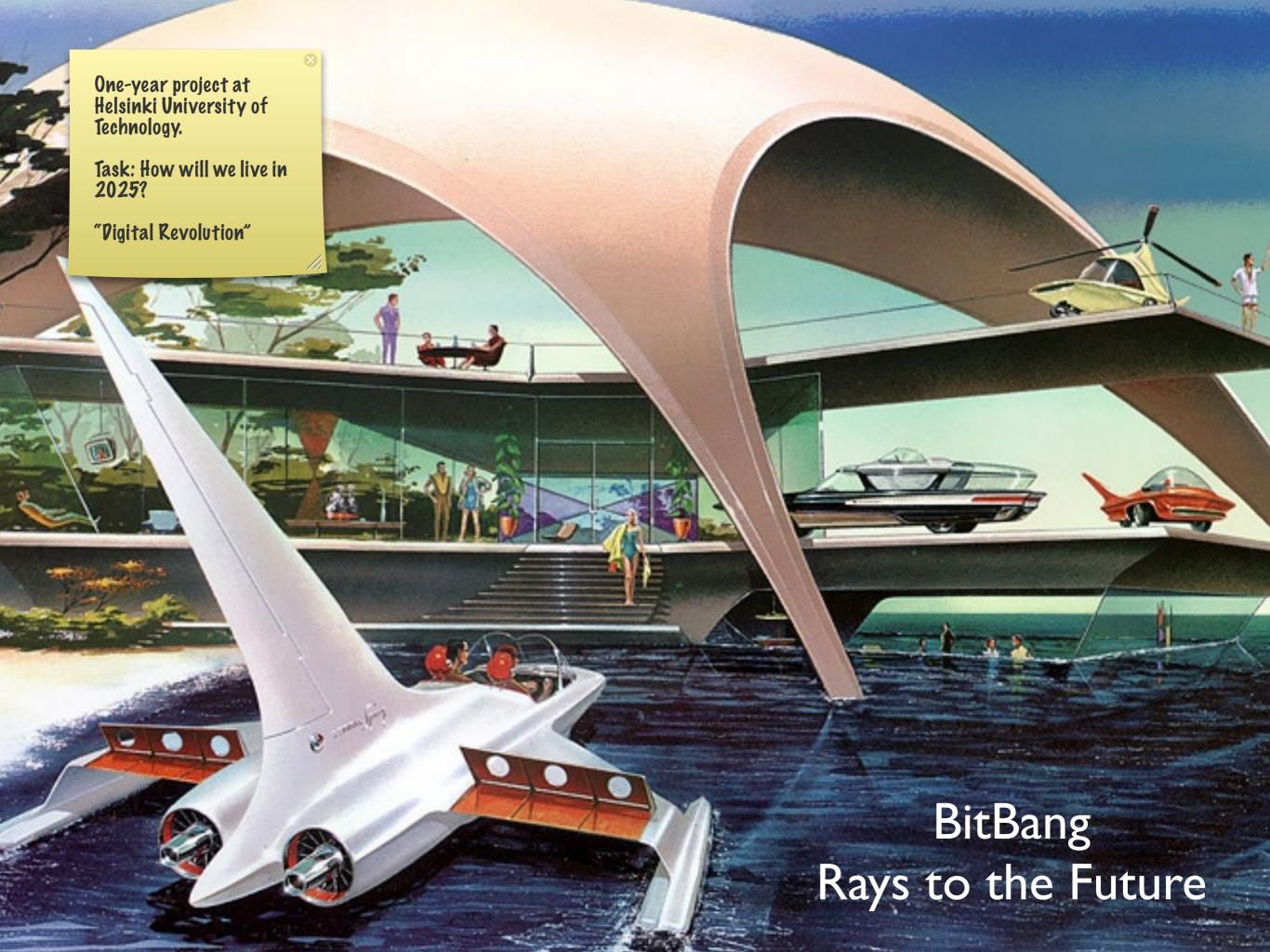


Background

How does a physicist get to talk about robots?

Lucky coincidence and great people!





my collaborators

Augmenting Man



Jakke Kulovesi



Vesa Kantola



Anniina Huttunen



William Brace



Kari Silvenoinen

BitBang - Rays to the Future

Editors: Yrjö Neuvo, Sami Ylönen Helsinki University Press ISBN 978-952-248-078-1



Outline

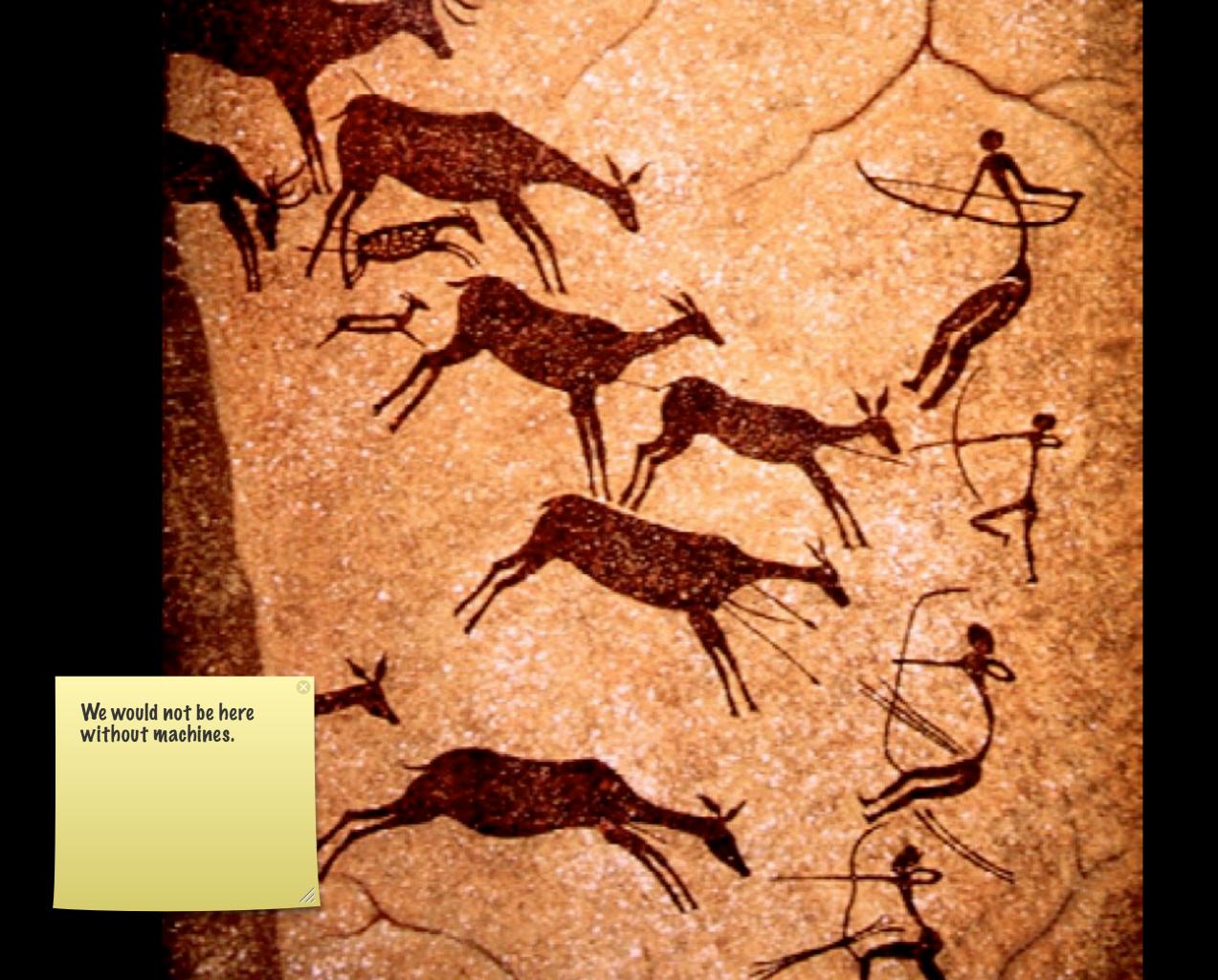
Outline

- Machine Emancipation
- The Future of Autonomous Machines
- Magnitude of Change
- A New World Order?

Machine Emancipation

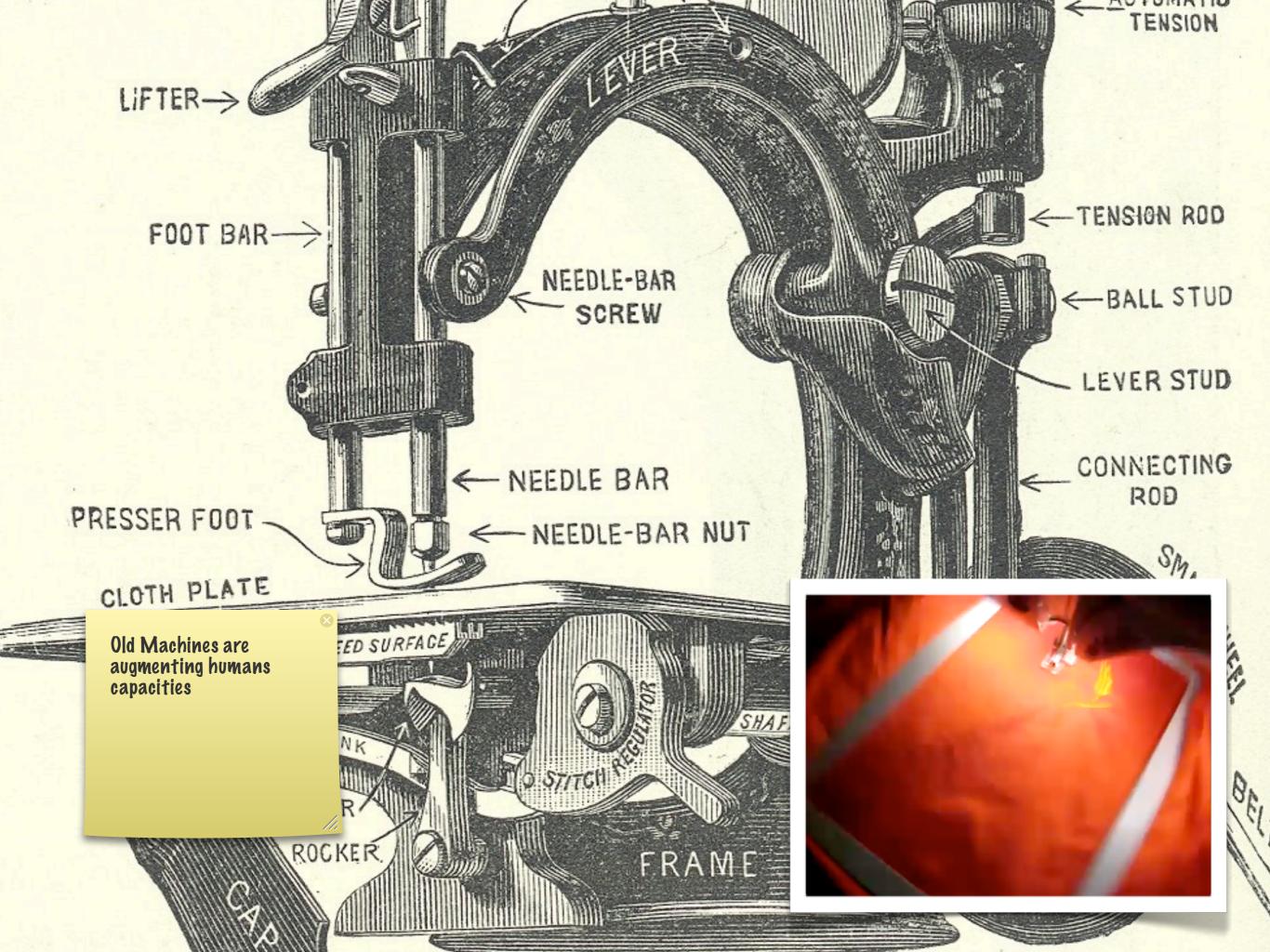
Augmenting Man?

Cyborgs since the Discovery of Fire

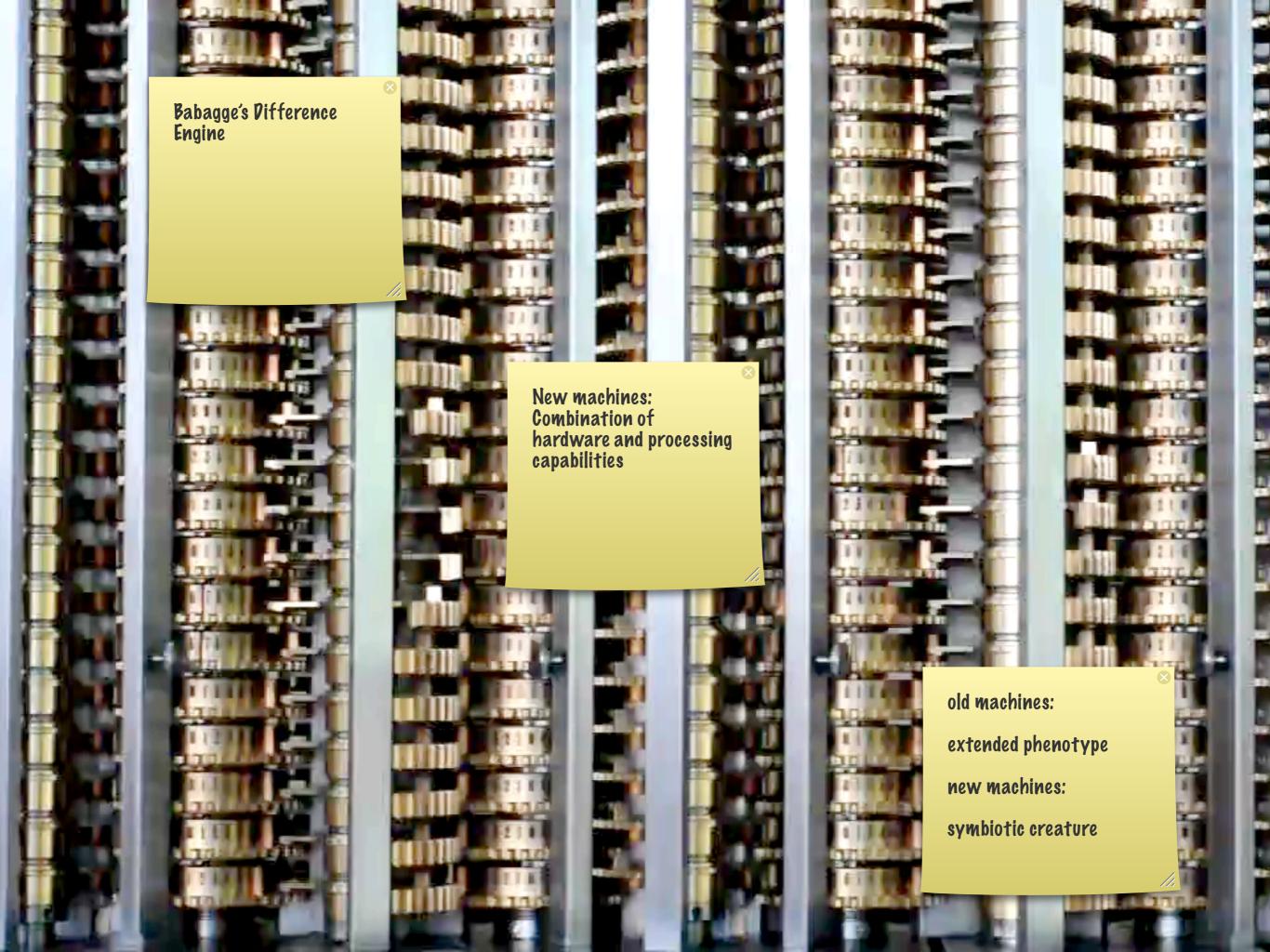


Old machines

What has changed?



New Machines



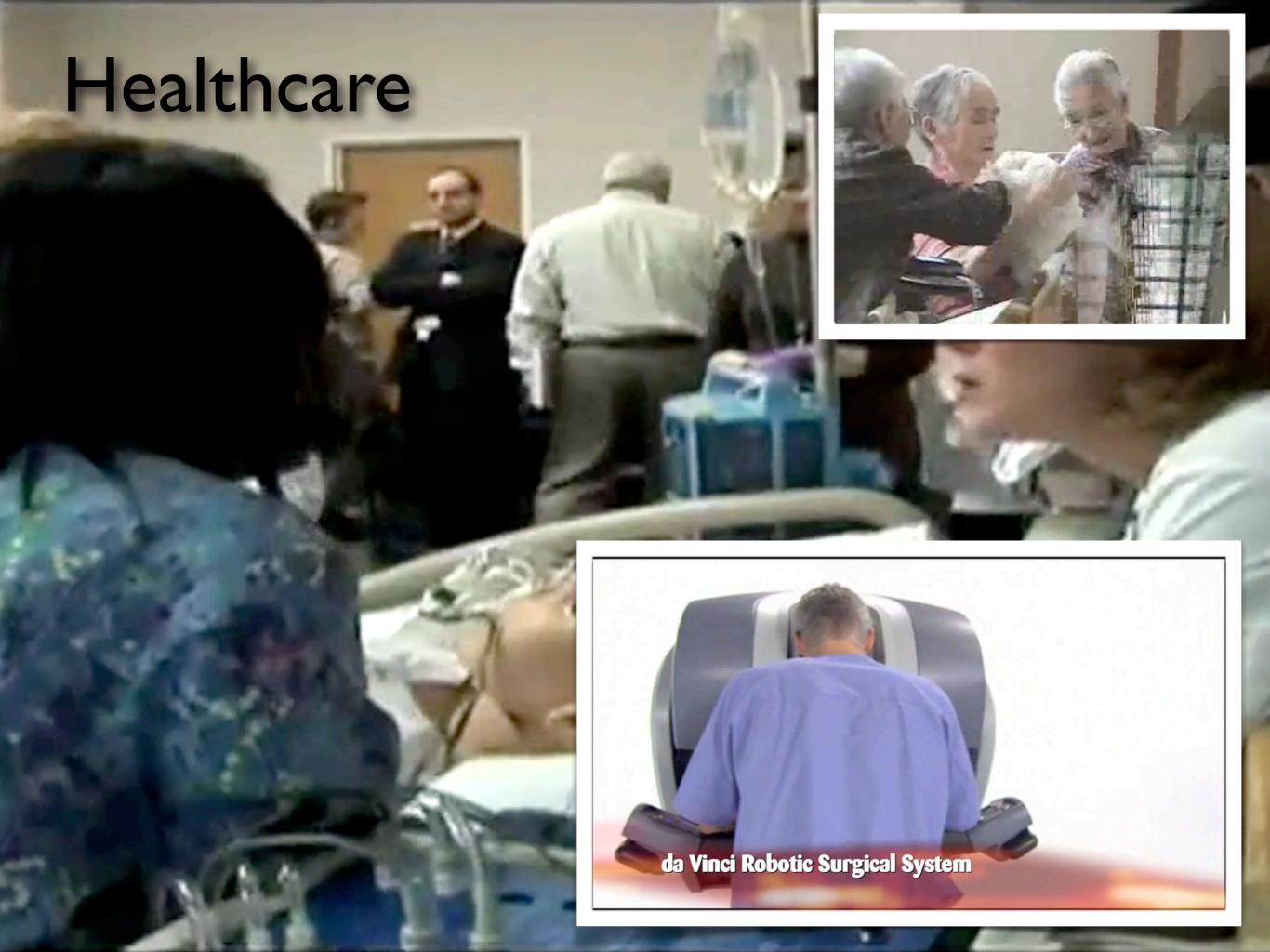
How will these new machines look like in 2025?

What to Expect?

"The future is already here - it is just unevenly distributed."

William Gibson

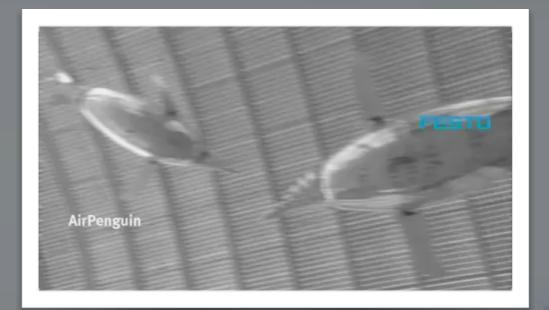








Bionics

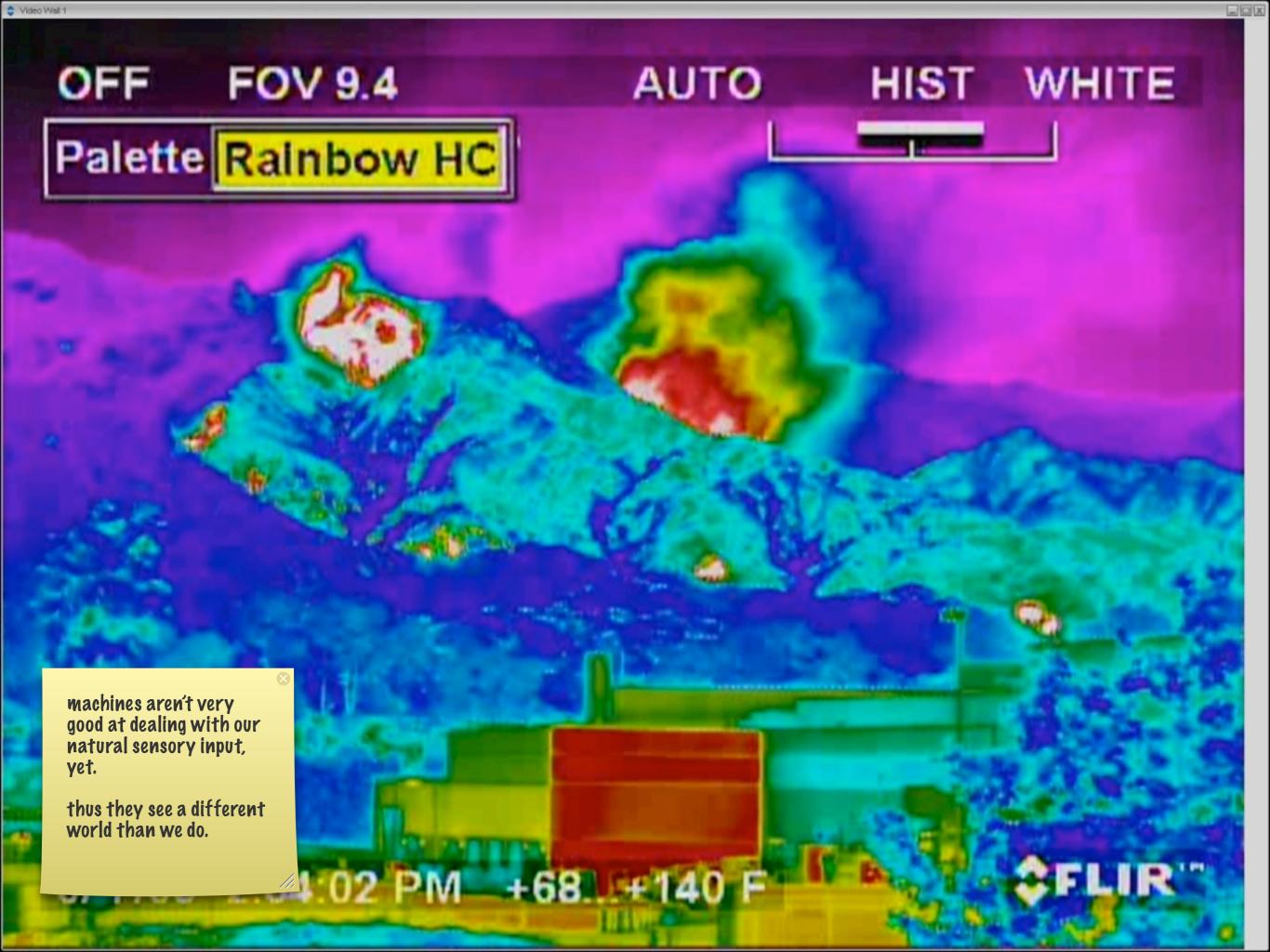




Intelligent Machines?



Different Senses -Different Worlds



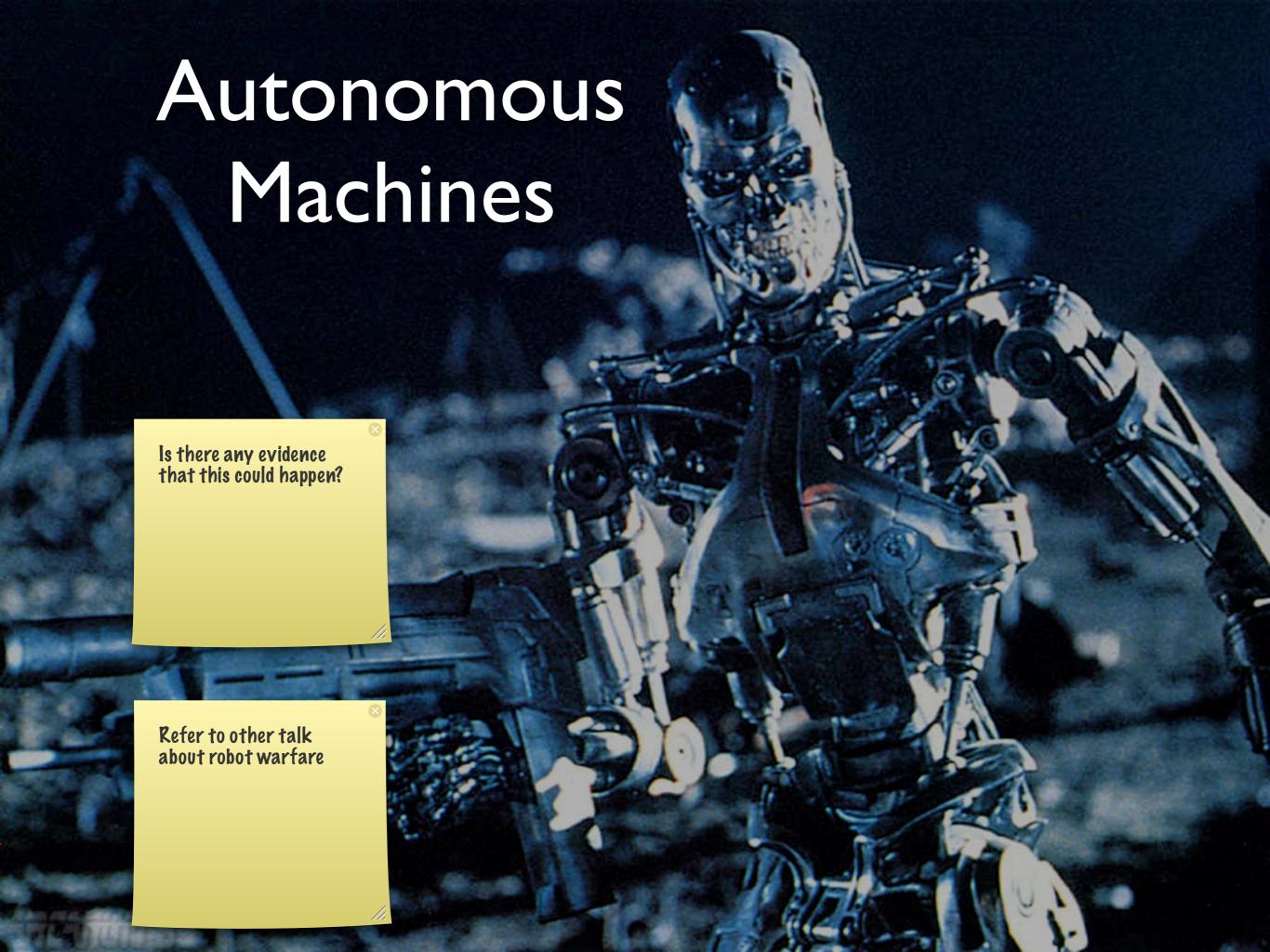
How big are the challenges caused by these new machines?

Magnitude

Old machines taking our destructive power to the extreme Doomsday Device



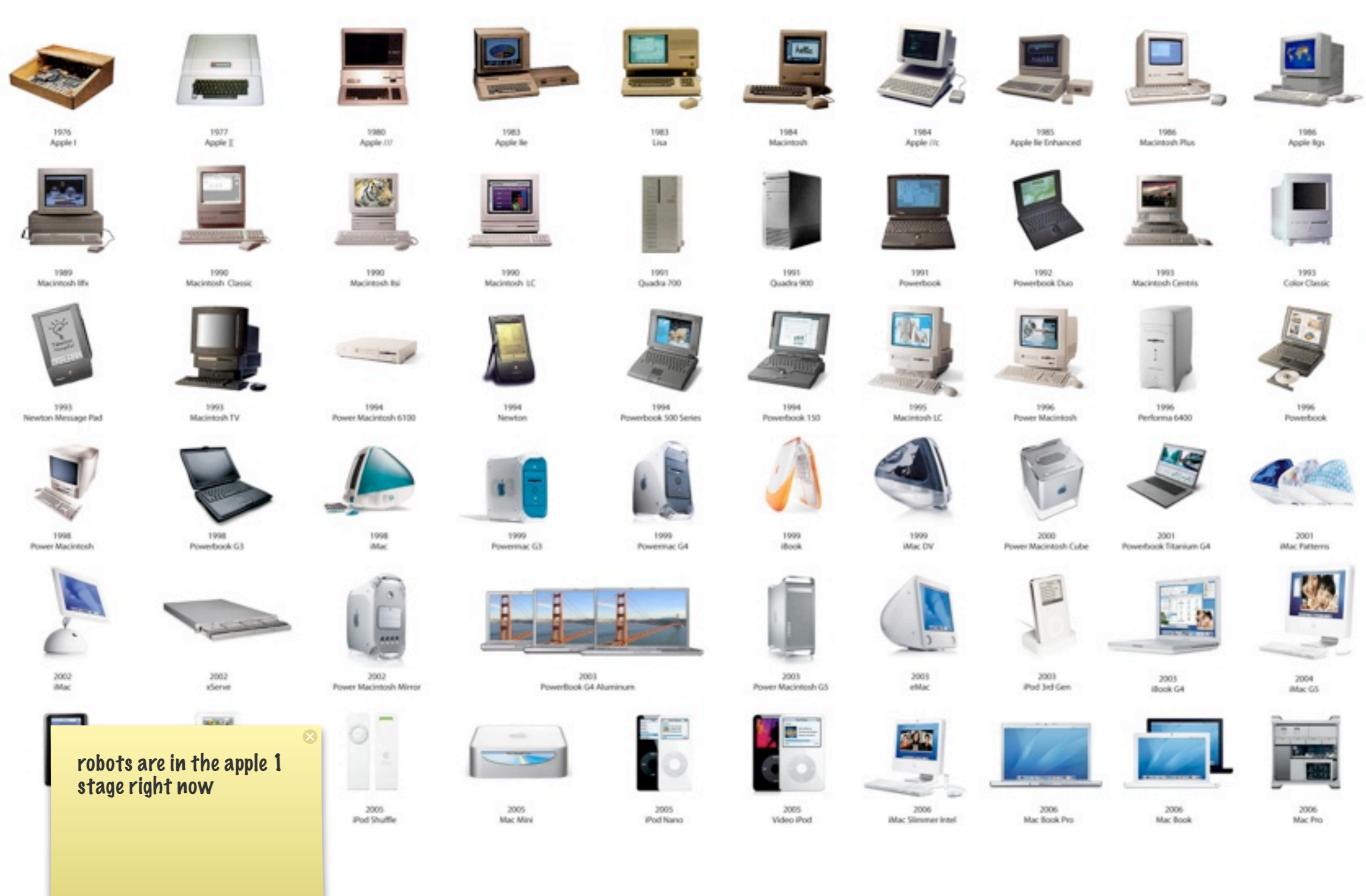
The next big thing...



"...but won't we rebel?"

will we tolerate a new life form?

what will it look like?



It's evolution, stupid!



strong selective pressure

we kill what we don't like (or what we like to eat)



does this help us to predict the future?

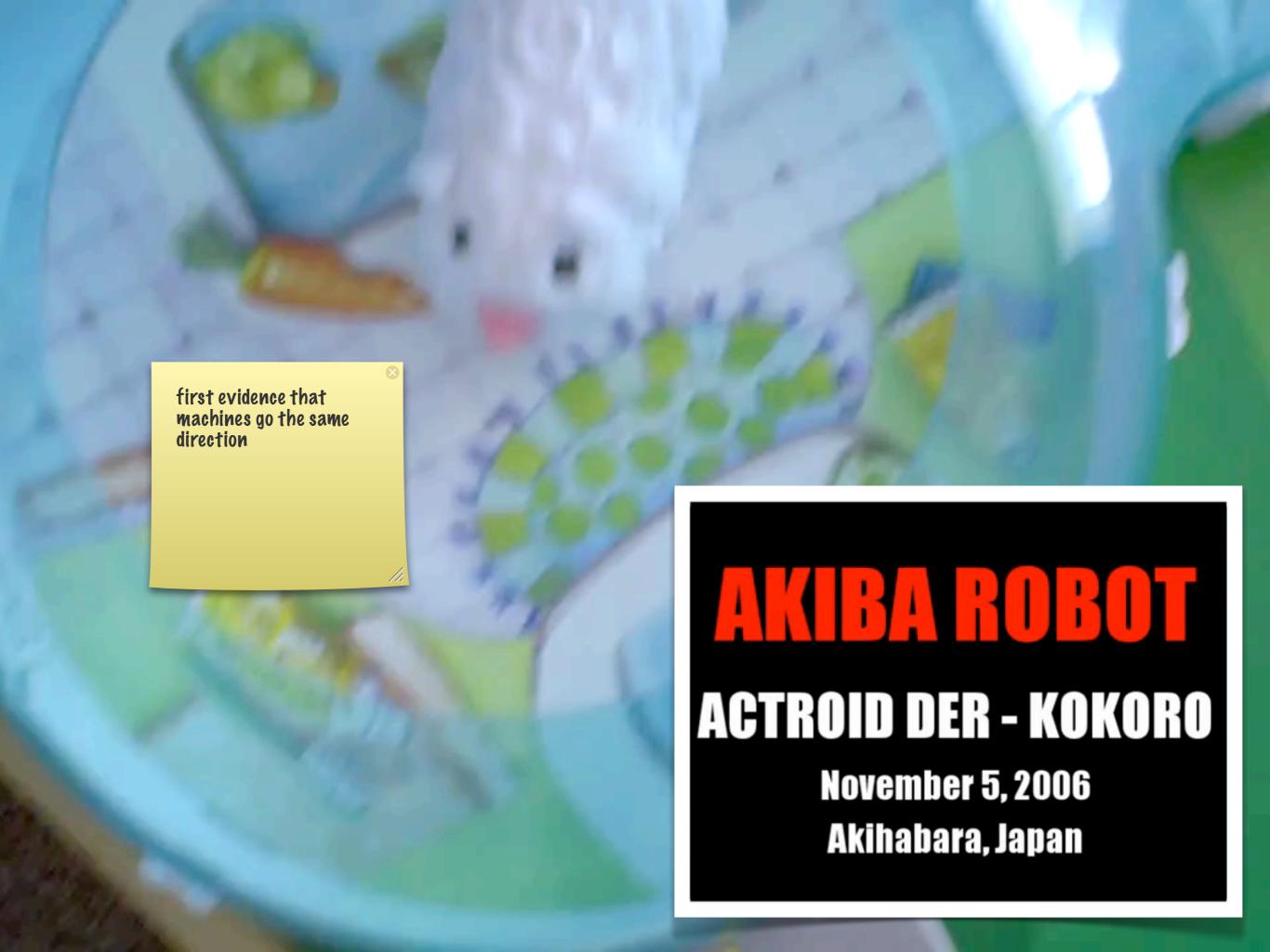
And the winner is...

"Americans now spend \$41 Billion on their pets."

co-evolution at its best

for robots money not technological development is the hurdle to jump



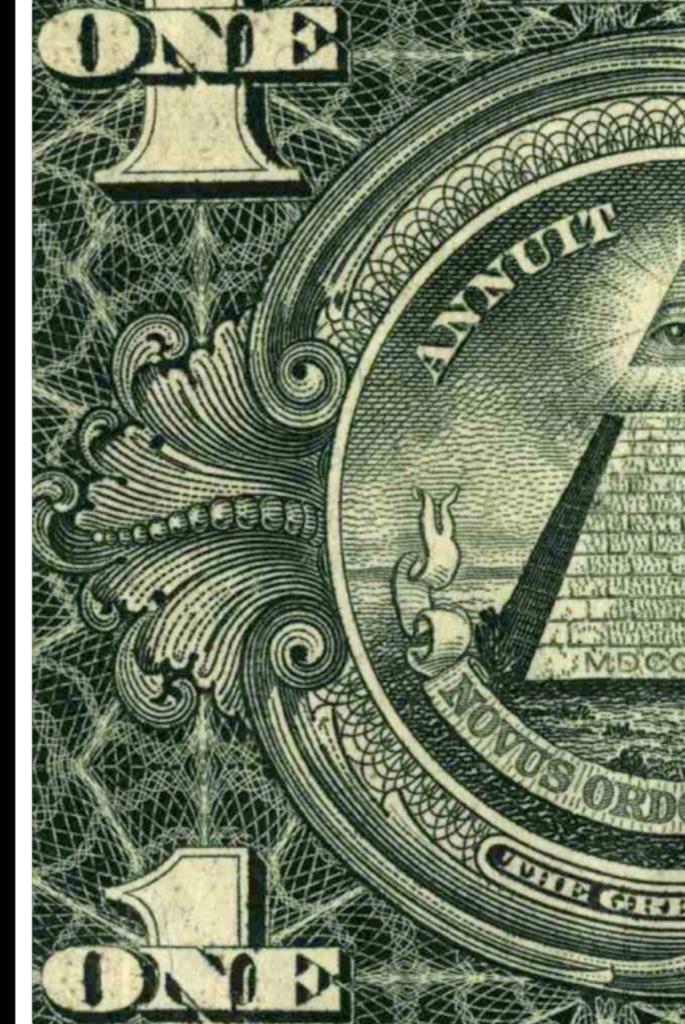


New World Order?

20th Century Models

Communism,
Socialism,
Capitalism, etc





What is the Essence?



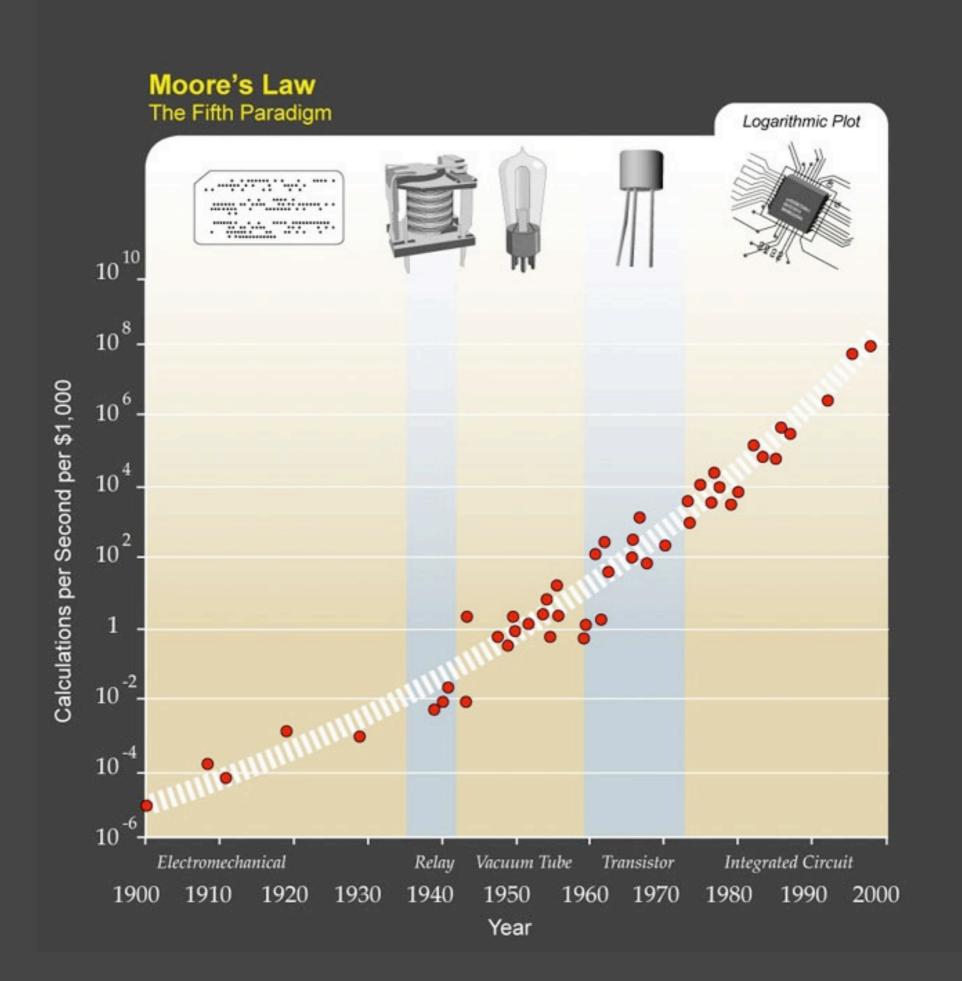


Lorenz' Postulate

How do machines factor into all this?

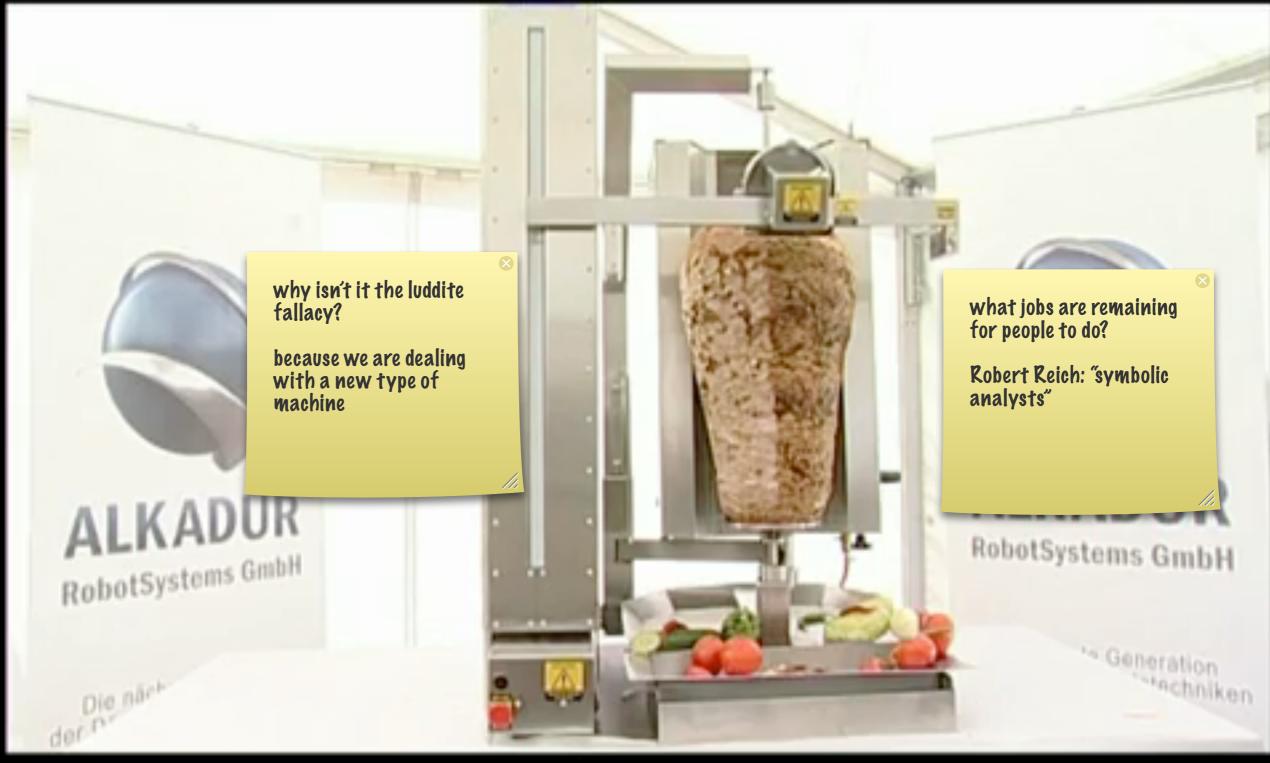
"There is no physical task in which a human can outperform a robot."

and...



results in...

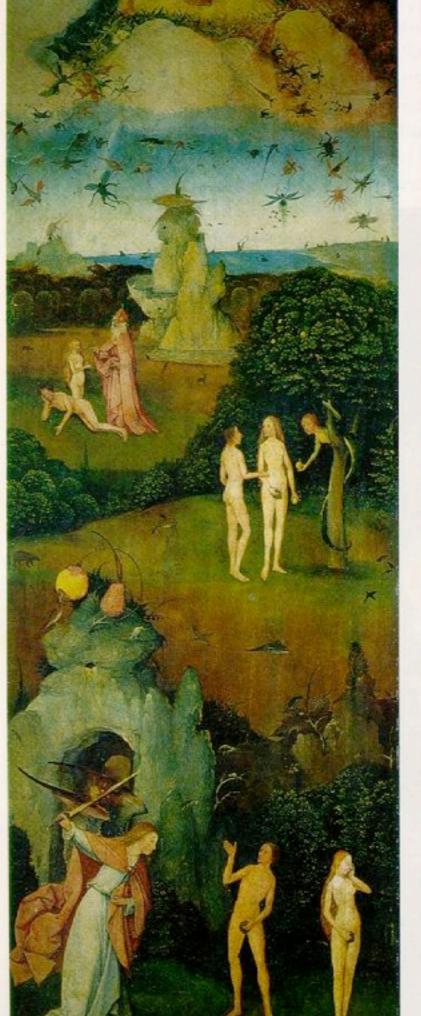


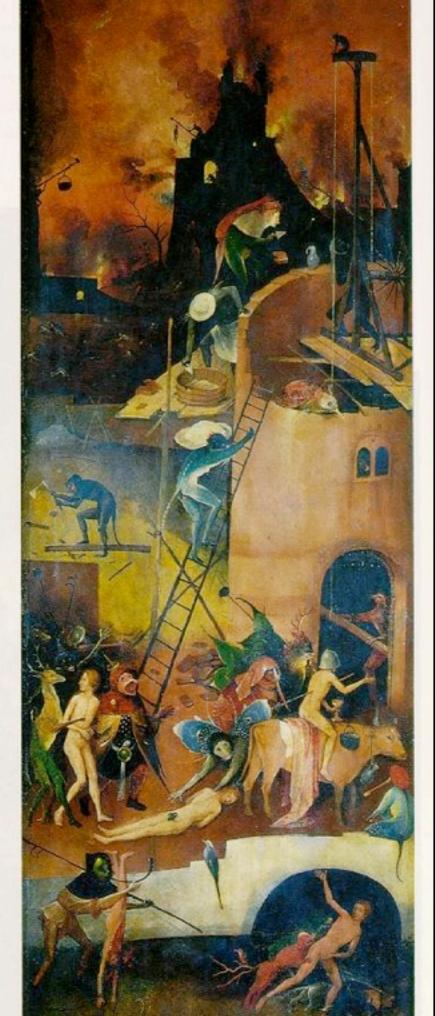


What can be will be automated!

Friday or Sunday?

Heaven





He

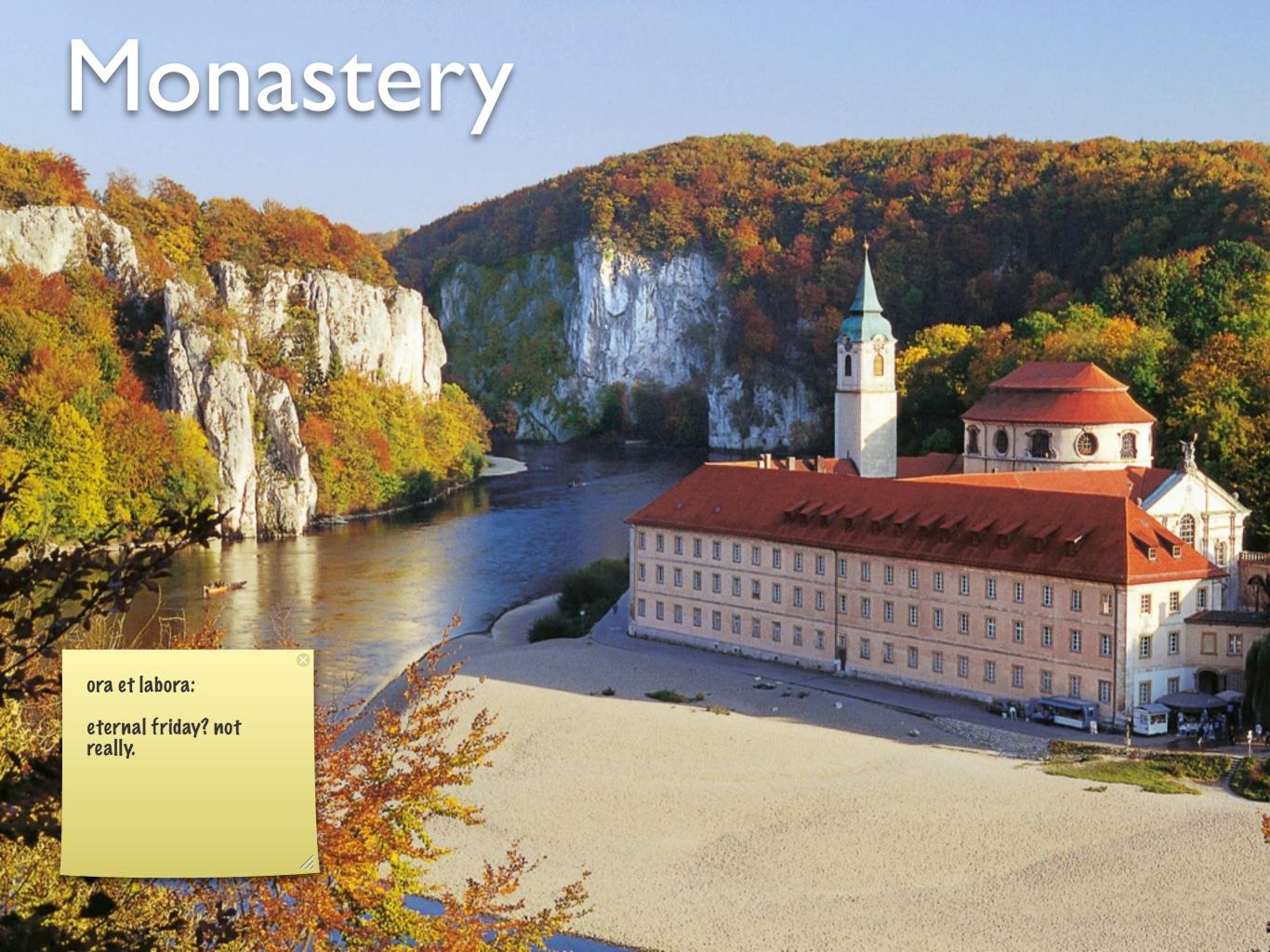
Life without Work

is it such a bad thing?

who wants to do shitty jobs?

History





Modern Alternatives

Po we want to go back to medieval ideals?



I, for one, welcome our new robot overlords.

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