



Brave New World of Transhumanism

NEWTON LEE

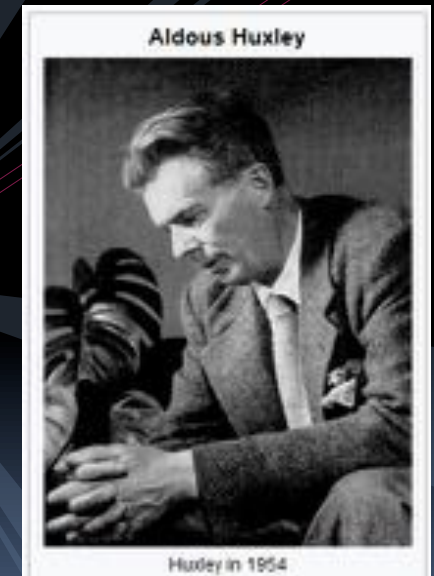
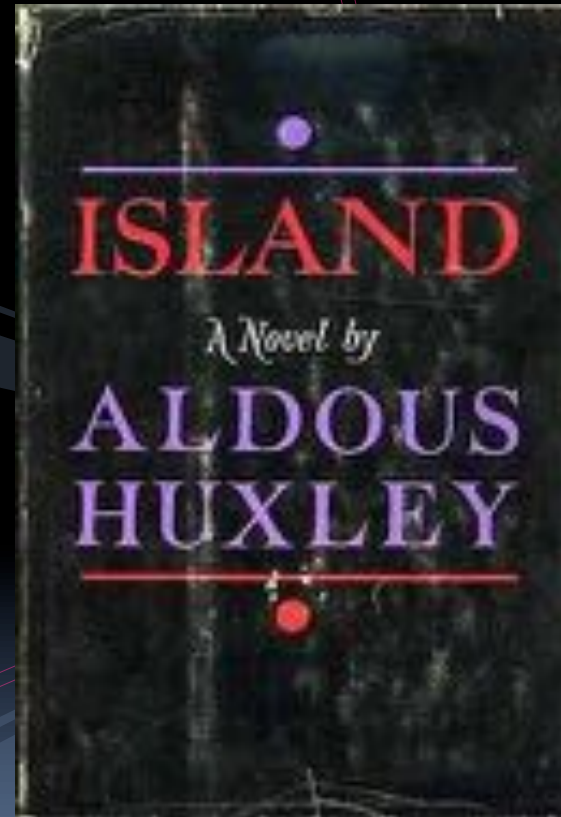
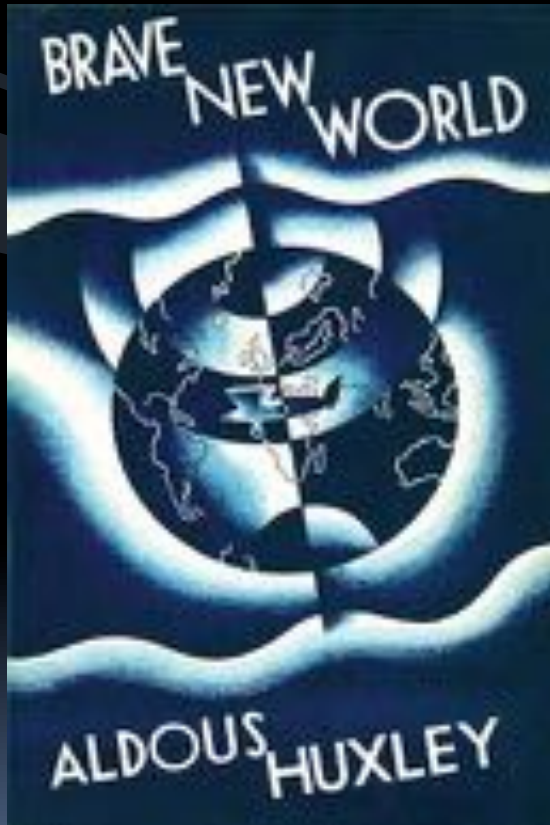
Chairman, California Transhumanist Party
President, Institute for Education, Research, and
Scholarships

Brave new world

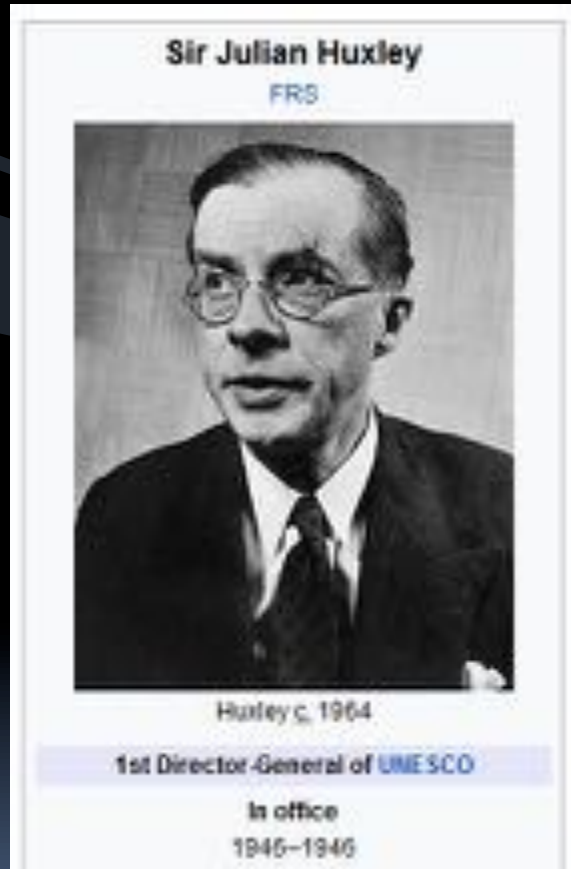
Dystopia

v.

Utopia



Transhumanism



Julian Huxley, 1st Director-General of UNESCO, wrote in 1957:

The human species can transcend itself... in its entirety, as humanity.

We need a name for this new belief. Perhaps transhumanism will serve: man remaining man, but transcending himself, by realizing new possibilities of and for his human nature.

[Humanity] will at last be consciously fulfilling its real destiny.

Transhuman



Dante's
Divine Comedy
(Paradise, Canto 1):

“Words may not tell
of that transhuman
change...”

The change of the
human body to
immortal flesh.




Super longevity & the meaning of life

Old question:

If you had one day left to live, what would you do?

New question:

If you could live one thousand more years, what would you do with all that time?



In Time (2011)



Time is money, literally.
You pay for things with your own lifespan.
Put things into perspective:
What things are worth your time or your life?



Ghost in the Shell (2017)



Detective Togusa took a jab at his colleague Ishikawa about his cybernetic liver: "You got enhanced so you can drink more?"



King Hezekiah (2 Kings 20 & 21)



Hezekiah became ill and was at the point of death.

He was a good king and he begged God for mercy.

God added 15 years to his life. But then...

He became proud and arrogant.

He fathered a son who became an evil king at 12 years old.

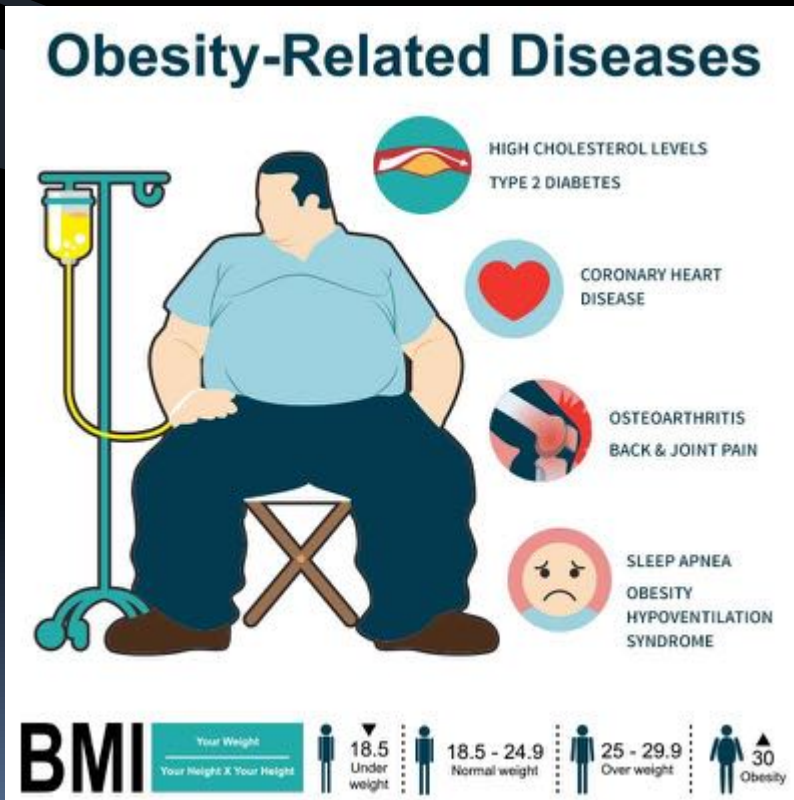
Super longevity & the meaning of life

Humanity's growing pains

Obesity

v.

Starvation



Super longevity & the meaning of life

Humanity's growing pains

A united world in peace v. A divided world at war

Clean environment & health v. Global warming & pollution

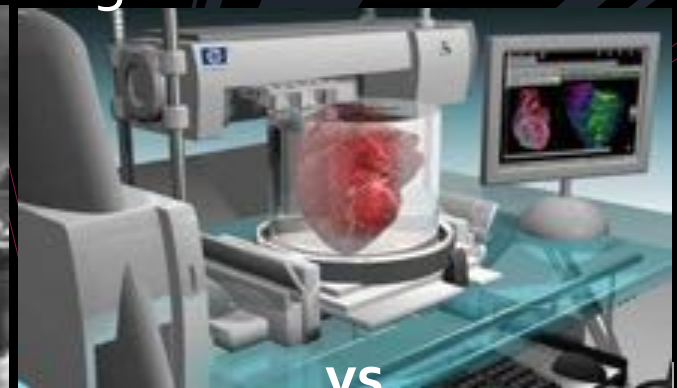


Super longevity & the meaning of life

Humanity's growing pains
Applications of technologies



vs.



vs.



vs.



California Transhumanist Party

**CALIFORNIA
TRAN & HUMANIST
PARTY**

Putting Science, Health, & Technology
at the Forefront of American Politics



California Transhumanist Party

Core Ideal #1

The California Transhumanist Party supports significant life extension and quality of life improvement achieved through the progress of science and technology.



Human longevity: IFERS Wellness Center

IFERS

Institute for Education, Research & Scholarships



Dr. Greg Fahy, Ph.D.



Dr. Cynthia Foster, M.D.



Prof. Newton Lee



Lima Mora



Dr. Elena Rusyn, M.D.



Dr. Anca Selaru, Ph.D.

Human longevity: IFERS Wellness Center

IFERS

Institute for Education, Research & Scholarships

- Human immune system rejuvenation
(Dr. Greg Fahy)
- Complementary and alternative medicine
(Dr. Cynthia Foster)
- Artificial intelligence in biology and medicine
(Prof. Newton Lee)
- Virtual Reality in mental health and rehabilitation
(Lima Mora)
- Anti-aging and stem cell regenerative medicine
(Dr. Elena Rusyn)
- Integrative biomedicine
(Dr. Anca Selariu)

Human immune system

THE VERGE

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SCIENCE HEALTH

Nobel Prize in medicine awarded to two researchers who discovered how to make the immune system fight cancer

James Allison and Tasuku Honjo discovered proteins that 'brake' the immune system

By Angela Chen | @chengda | Oct 1, 2016, 9:39am EDT



Human-machine symbiosis (Foldit game)

In September 2011, players of the Foldit video game took less than 10 days to decipher an AIDS-causing virus that had stumped scientists for 15 years.



AI medical expert systems

https://www.ncbi.nlm.nih.gov/pubmed/3979039

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Comput Biol Med. 1985;15(1):11-23.

An expert system for information on pharmacology and drug interactions.

Roach J, Lee S, Wilke J, Enrich M.

Abstract
Pharmacological information has been organized and encoded in rules and frames for systematic retrieval. This includes: delineation, definition, and hierarchical subdivision of mechanisms responsible for drug interactions; division of pharmacological agents into a hierarchy of subclasses to allow for defining interacting drugs by classes as well as by specific agents; correlation of drug classes and specific drugs with mechanisms by which they may be involved in drug interactions. This information, accessible through a natural language-like and menu driven interface, allows clinicians to know what may happen when two drugs are used together, why, what can be done to alleviate detrimental interactions, and what related drugs may also be involved in similar interactions.

PMD: 3979039
[Indexed for MEDLINE]



  



California Transhumanist Party

Core Ideal #2

The California Transhumanist Party supports an inclusive cultural, societal, and political atmosphere informed and animated by reason and science to foster peace, prosperity, and universal rights for all.



California State Senate

IFERS

Institute for Education, Research & Scholarships



Type 1 Diabetes Research and Education
with Senator Richard Roth

Scientists in U.S. Congress

Voters just elected seven more scientists to Congress

By Christina Maxouris and Brandon Griggs, CNN

🕒 Updated 12:20 PM ET, Thu November 8, 2018





California Transhumanist Party

Core Ideal #3

The California Transhumanist Party supports efforts to use science, technology, and rational discourse to reduce and eliminate various existential risks to the human species.

U.S. planetary defense teams

Deflecting the massive asteroid which has a 1 in 2,700 chance of striking Earth on September 25th 2135 with the kinetic energy of 80,000 Hiroshima nuclear bombs.



U.S. planetary defense teams



Future residences

- Earth (on land)
- Earth (in oceans)
- Earth's outer orbit
- Mars and other planets
- Uploaded minds living in the cloud



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Future society makeup

- Regular human beings and the Amish
- Genetically enhanced humans
- Designer babies
- Cyborgs
- Humanoids with artificial general intelligence
- Uploaded minds living in the cloud



Infinite Diversity in Infinite Combinations

Star Trek "Is There in Truth No Beauty?" (1968)



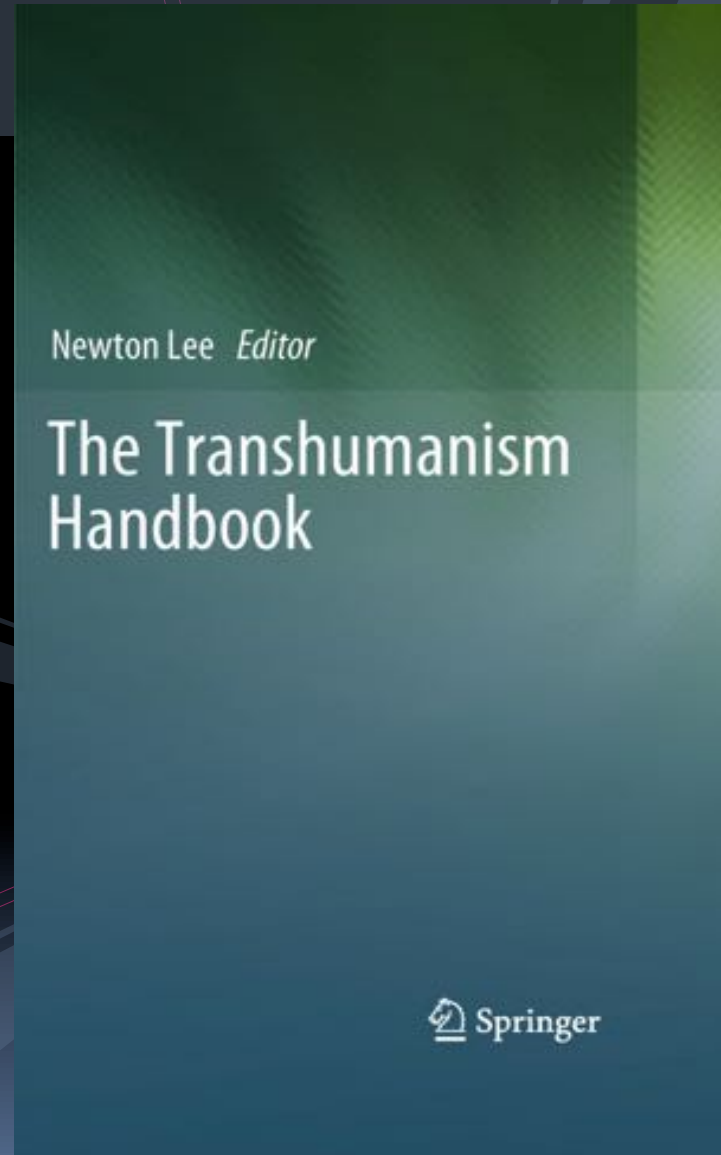
Dr. Miranda Jones: I understand, Mr. Spock. The glory of creation is in its infinite diversity.

Mr. Spock: And the ways our differences combine, to create meaning and beauty.

References



2016 Edition



2019 Edition

Springer Nature

Newton Lee *Editor*

The Transhumanism Handbook

- Presents the whole picture of transhumanism from both secular and religious points of view
- Explains and demystifies artificial general intelligence and superintelligence
- Offers practical advice on radical life extension and rejuvenation  Springer
- Explores the roles of blockchain and cryptocurrency in transhumanism
- Examines transhumanist economics, ethics, philanthropy, philosophy, and politics

Newton Lee *Editor*

The Transhumanism Handbook

Chapter 16 In Search of Super Longevity and the Meaning of Life

Newton Lee ^{1,2}

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² Institute for Education, Research, and Scholarships, Los Angeles, CA

Email: newton@ifers.org

Immortality or life extension is more than just living forever. It's also how we live forever. What is our mindset? What is our humanity with each other? Our enemy is not one another. Our enemy is sickness, aging and death.
—Jim Strole (People Unlimited and The Coalition for Radical Life Extension)

Thank you!

Newton Lee *Editor*

The Transhumanism Handbook

 Springer

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