

Welcome to this week's presentation & conversation hosted by the **Canadian Association for the Club of Rome**, a Club dedicated to intelligent debate & action on global issues.

The views and opinions expressed in this presentation are those of the speaker & do not necessarily reflect the views or positions of CACOR.

## ***Bright Green Lies.***

Our speaker today is Lierre Keith, a radical feminist for 40 years, author of 7 books, including *The Vegetarian Myth: Food, Justice, and Sustainability*, which has been called “the most important ecological book of this generation.” She is coauthor, with Derrick Jensen and Max Wilbert, of *Bright Green Lies: How the Environmental Movement Lost Its Way and What We Can Do About It*. She's also been arrested six times for acts of political resistance.

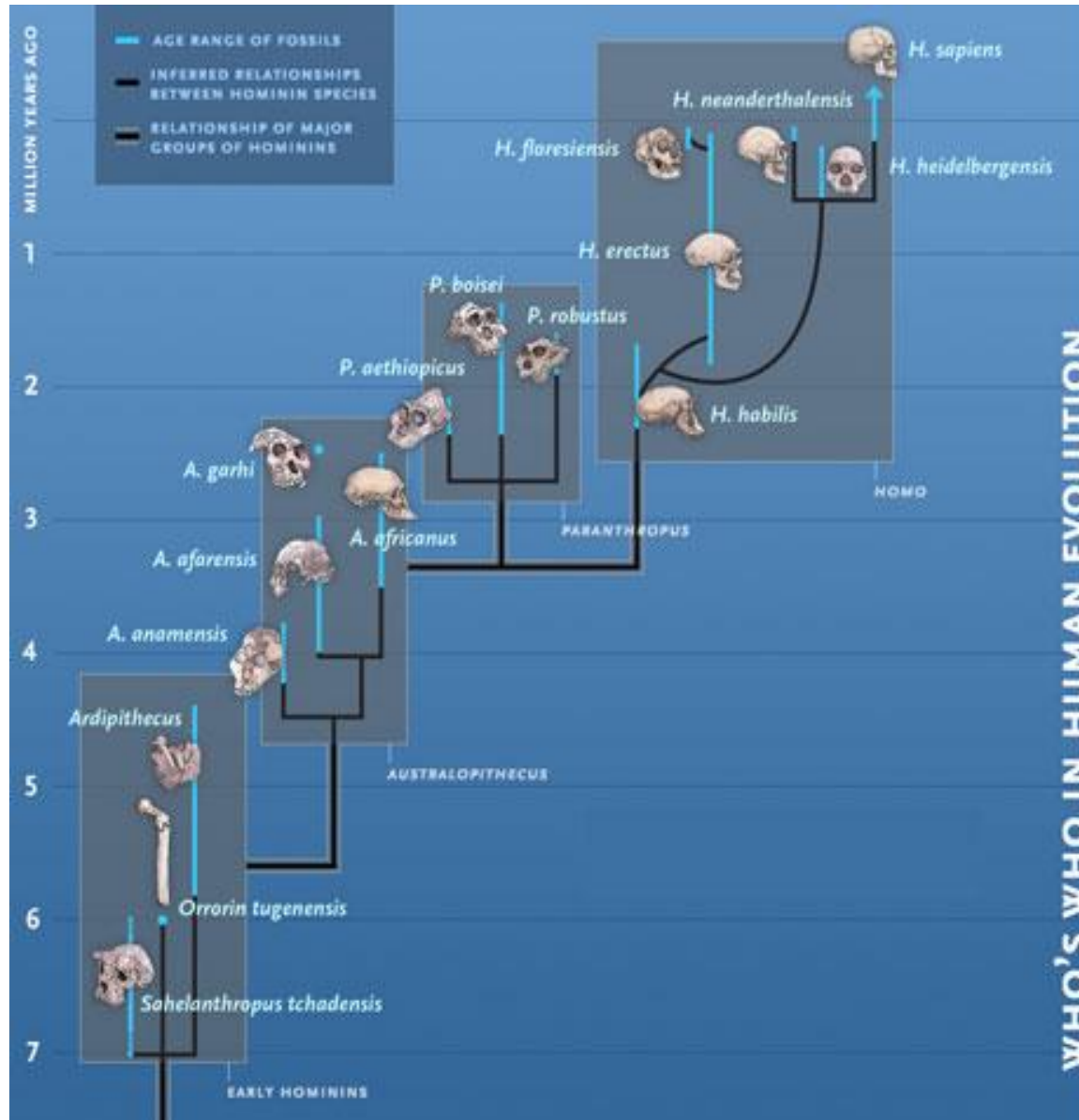
DESCRIPTION: Environmentalism was about saving wild places & wild creatures. Now, it's about finding a new power source to continue their destruction. There are three “bright green” lies: industrial civilization can be sustained if we simply switch fuels; alternative energy can power industrial consumption; green energy is benign. However, so-called “green” technology, from source to disposal, is a trail of devastation across open-pit mining, clear-cut forests, acid rivers, dying oceans, poisoned children, & everywhere species pushed toward extinction. These technologies aren't green: they are blood red, rooted in extraction, dependent on diesel, & swollen with pollution. Any solution that doesn't aim to stop the destruction is no solution. This is a call to remember its original source before it's too late: love for our planet, our one & only home.

The presentation will be followed by a conversation, questions, & observations from the participants.

CACOR acknowledges that we all benefit from sharing the traditional territories of local Indigenous peoples (First Nations, Métis, & Inuit in Canada) and their descendants.



Website: [canadiancor.com](http://canadiancor.com)  
Twitter: [@cacor1968](https://twitter.com/cacor1968)  
YouTube: [Canadian Association for the Club of Rome](https://www.youtube.com/channel/UC...)  
2023 Sep 05 Zoom #161



**brain capacity**



(600 cc)

(850 cc)

(1150 cc)

(1400 cc)



**3.5 million**

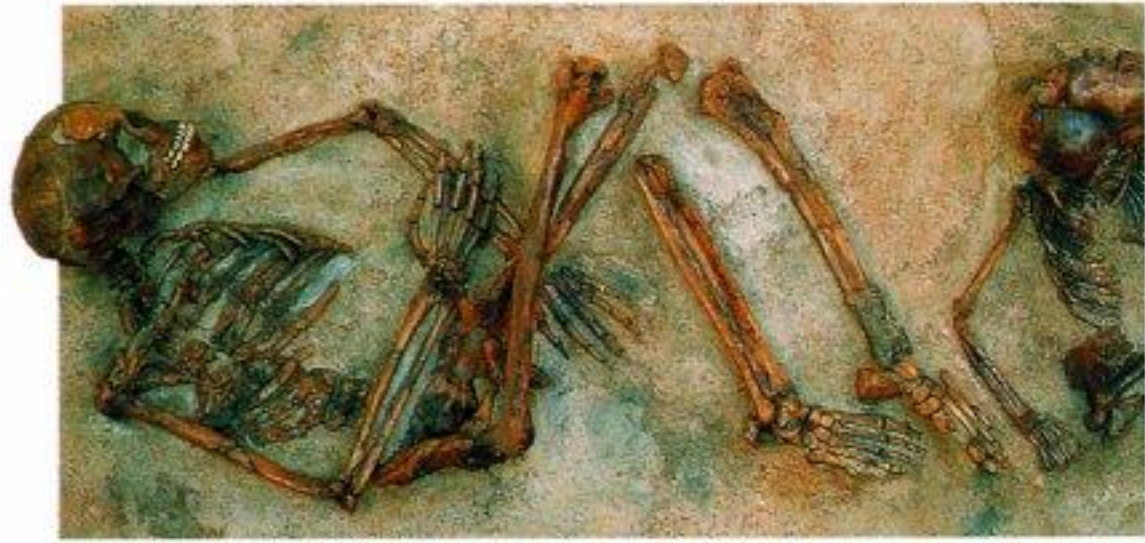
**3 million**

**2 million**

**present**



**years ago**







ve painting, Lascaux, France, 15,000 to 10,000 B.C.

“The most common subject matter is large animals that were hunted by the people of the time.”



**Goddess of Hohle Fels  
Schelklingen, Germany**

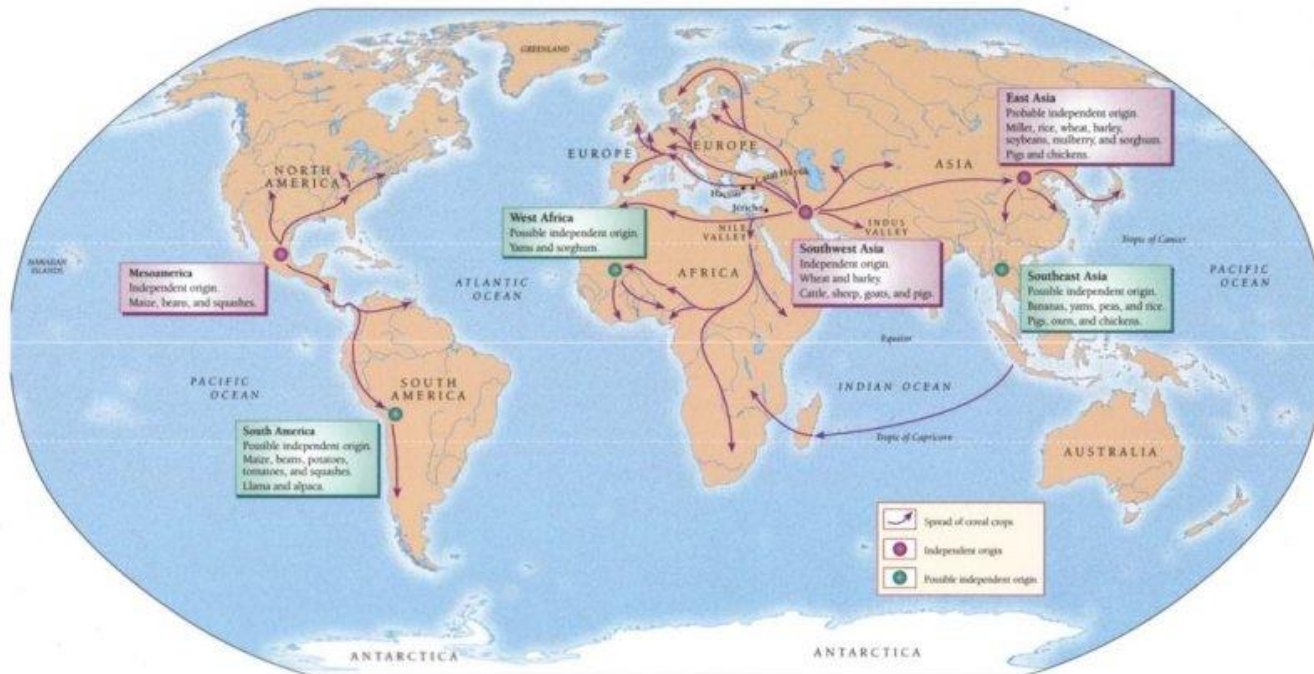
- **35,000-40,000 years old**
- **The oldest undisputed example of figurative sculpture**











**2** Origins and global spread of agriculture.  
Map 1.2



Iraq:  
The Fertile Crescent?



Iran  
94% of the agricultural land is degraded



Pakistan:  
One-third of the country is at risk for desertification



## *civ·i·li·za·tion*

The word *civilization* comes from the Latin *civilis*, meaning *civil*, related to the Latin *civitas*, meaning *city* or *city-state*.











A new configuration of technical invention, scientific observation, and centralized political control gave rise to the peculiar mode of life we may now identify, without eulogy, as civilization. ...

Its herculean feats of mechanical organization rested on ruthless physical coercion, forced labor and slavery. This centralized technics created complex human machines composed of specialized, standardized, replaceable, interdependent parts -- the work army, the military army, the bureaucracy. These work armies and military armies raised the ceiling of human achievement: the first in mass construction, the second in mass destruction, both on a scale hitherto inconceivable.

--Lewis Mumford

Authoritarian and Democratic Technics

“All these artifacts are weapons and there is no reason to believe that they were exchanged in a nonviolent manner.”

-Archaeologist T. Douglas Price





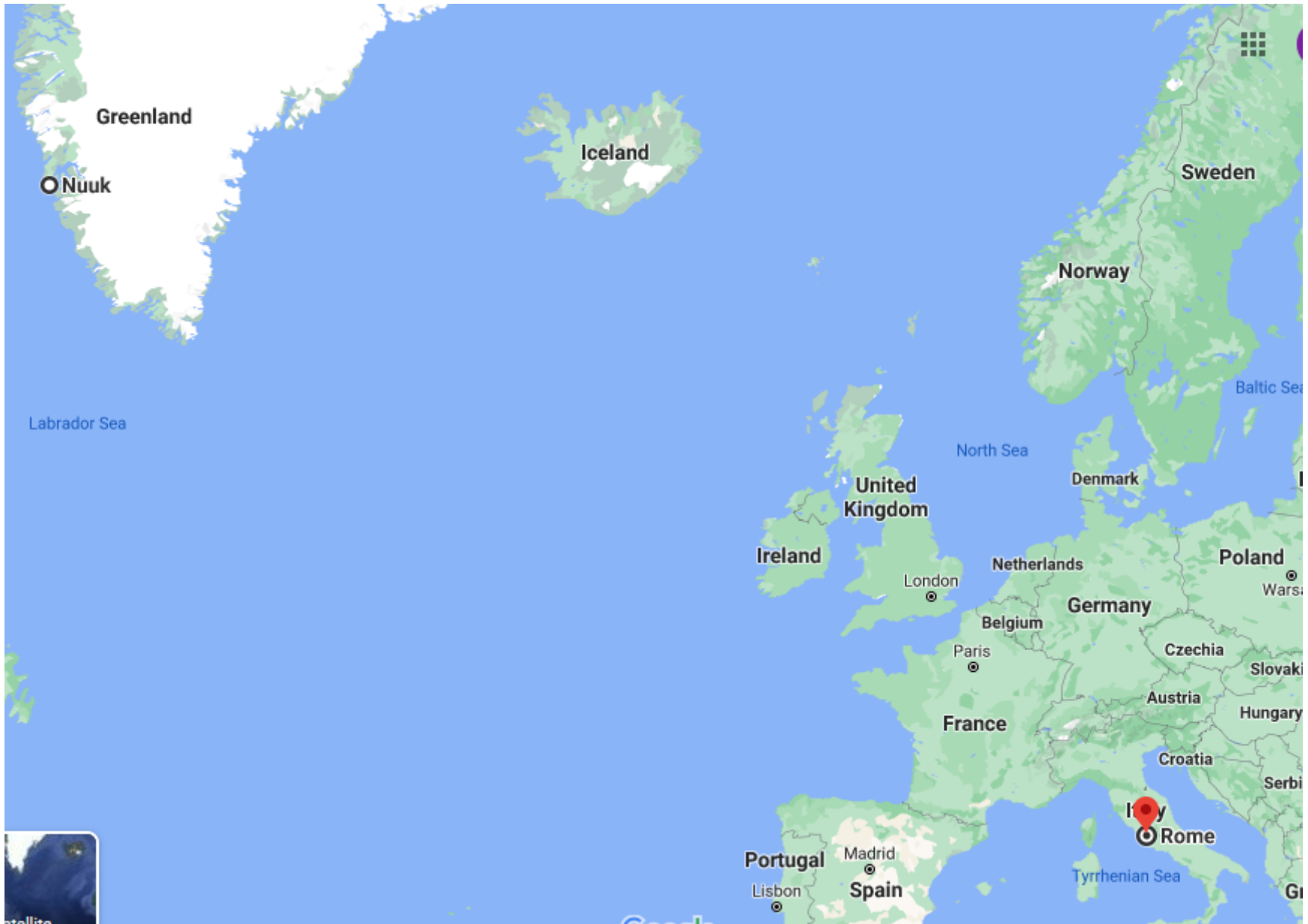




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Hidden in an unknown corner of Inner Mongolia is a toxic, nightmarish lake created by our thirst for smartphones, consumer gadgets and green tech, discovers Tim Maughan.







ATLANTIC OCEAN

E U R O P E

GAUL

ALPS

IBERIA

PYRENEES MTS.

Rhone

BALEARIC ISLANDS

CORSICA

SARDINIA

Rome

ITALY

Taranto

SICILY

Syracuse

TYRRHENIAN SEA

IONIAN SEA

M E D I T E R R A N E A N S E A

GREECE

Chaeronea

Thebes

Corinth

Athens

Sparta

Argos

Mytilene

SAMOS

Miletus

MELOS

RHODES

CRETE

CYPRUS

Byzantium

BLACK SEA

CAUCASUS MTS.

Danube R.

Euphrates R.

ASIA MINOR

SYRIA

Damascus

Jerusalem

Naucratis

Memphis

EGYPT

Nile R.

RED SEA

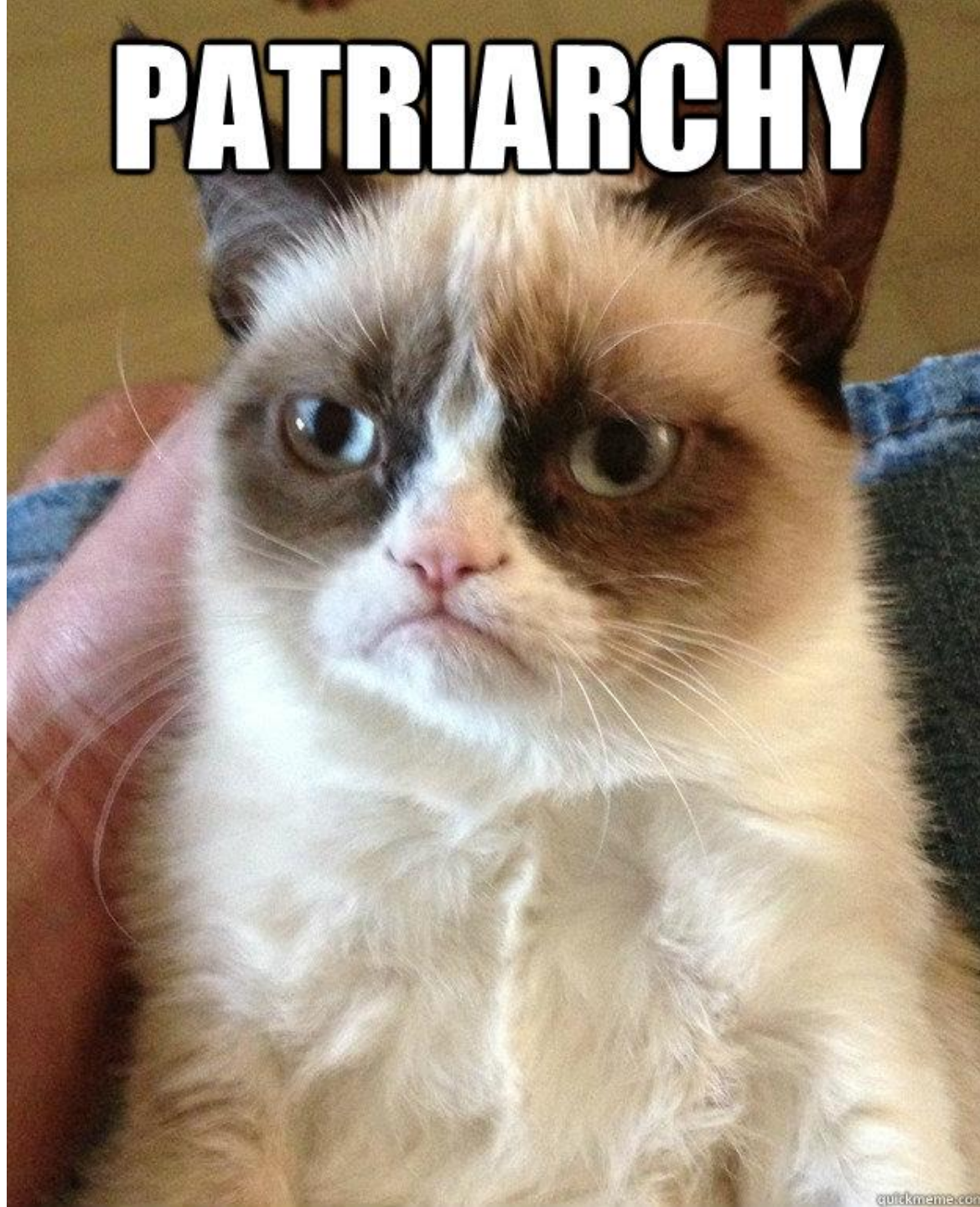
0 500 miles

A F R I C A

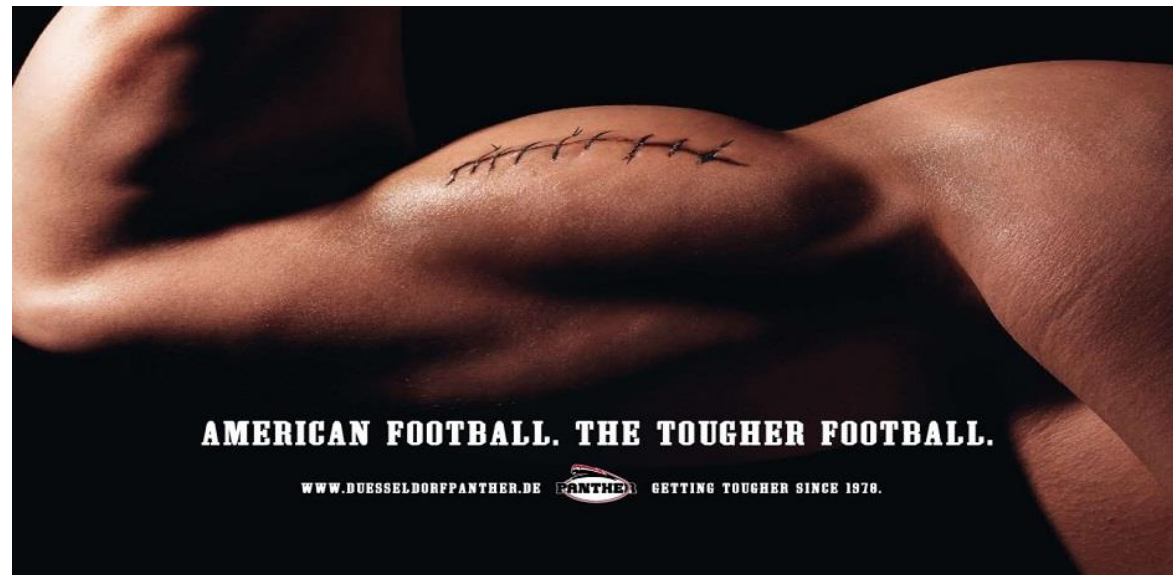
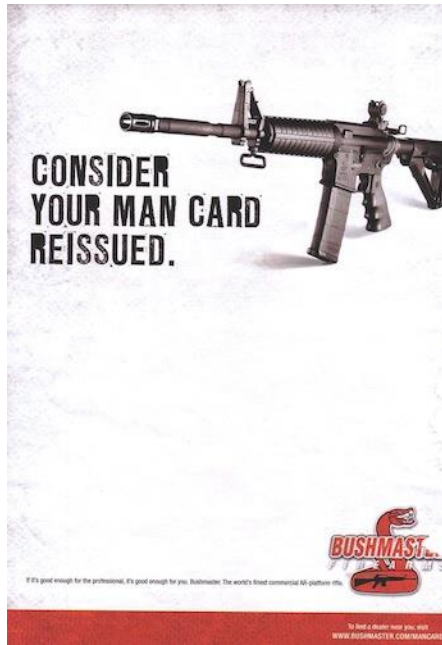
GREECE AND ITS COLONIES IN 550 B.C.



**PATRIARCHY**

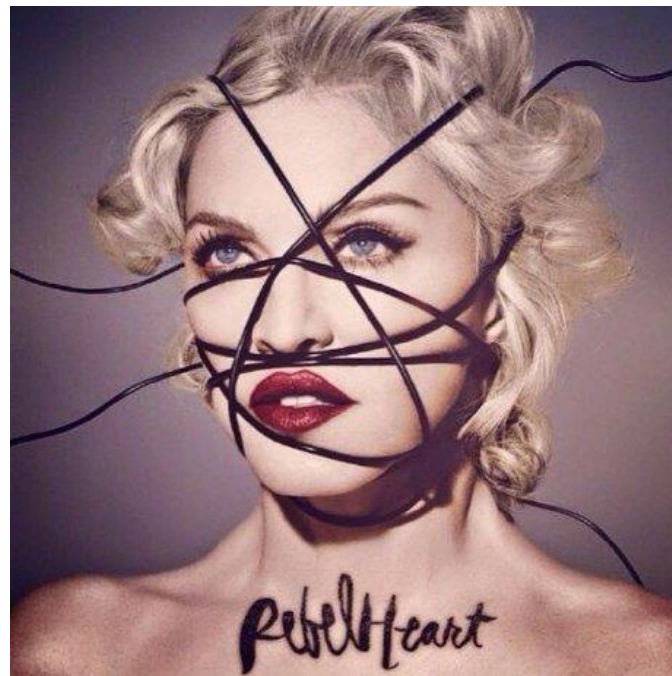
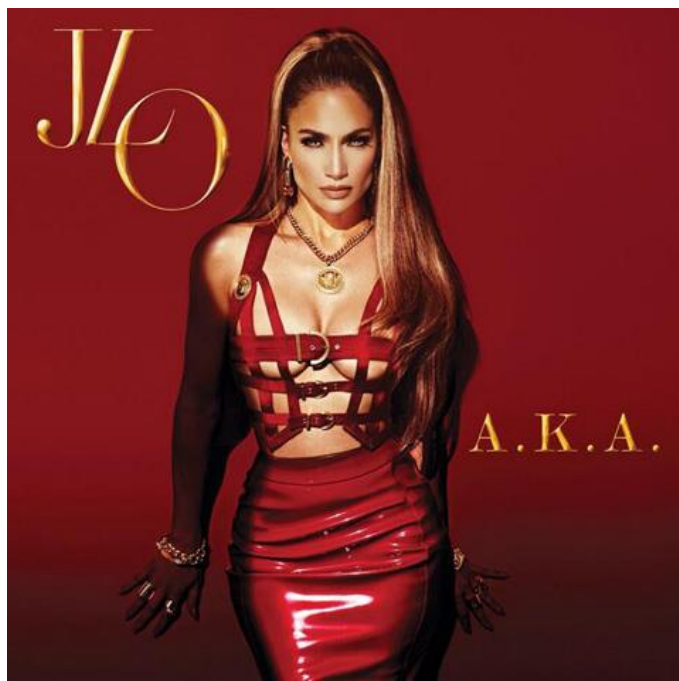
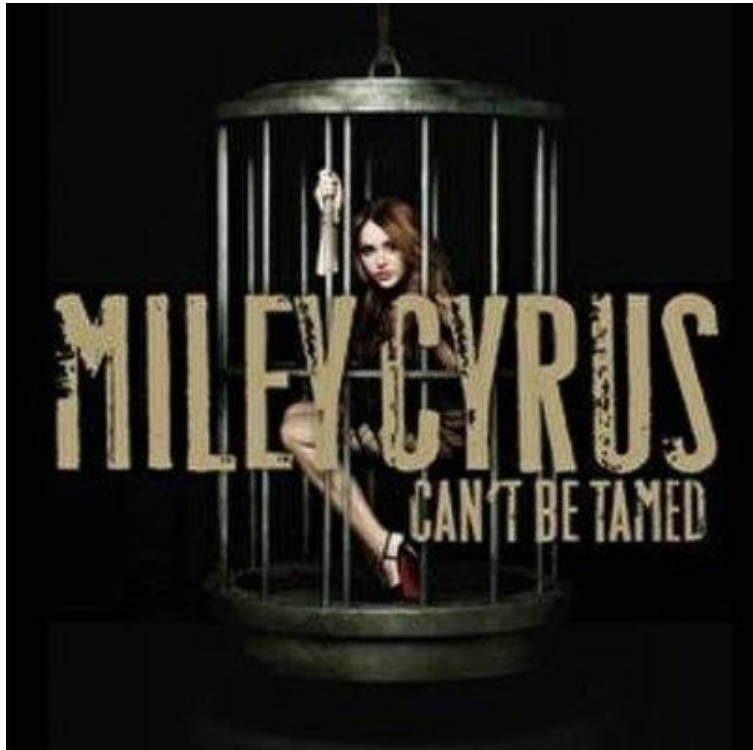














### Reservations 1990

There are now 381 Indian reservations throughout 71% of the continental United States. The Bureau of Indian Affairs (BIA) is responsible for the administration of the reservations. The BIA is a part of the U.S. Department of the Interior. The BIA's mission is to promote the economic, social, and cultural well-being of the American Indian people. The BIA's programs are designed to help Indian people improve their lives and to preserve their unique cultures and traditions.



**1492 Arrival of Columbus**



**1790 Indians Forced Inland**



**1830 "Indian Country"**



**1860 Immigrant Stampede**



**1890 The Vanquished Indian**



**2090 Indian Land?**

### Tribes

The names of Indian tribes are often a reflection of their original geographic area. The tribes were named by the early explorers and settlers. Some tribes were named after animals, such as the Buffalo and the Bear. Other tribes were named after their traditional activities, such as the Hunter and the Fisherman. The names of the tribes are a part of their rich cultural heritage.

### Historical Perspective

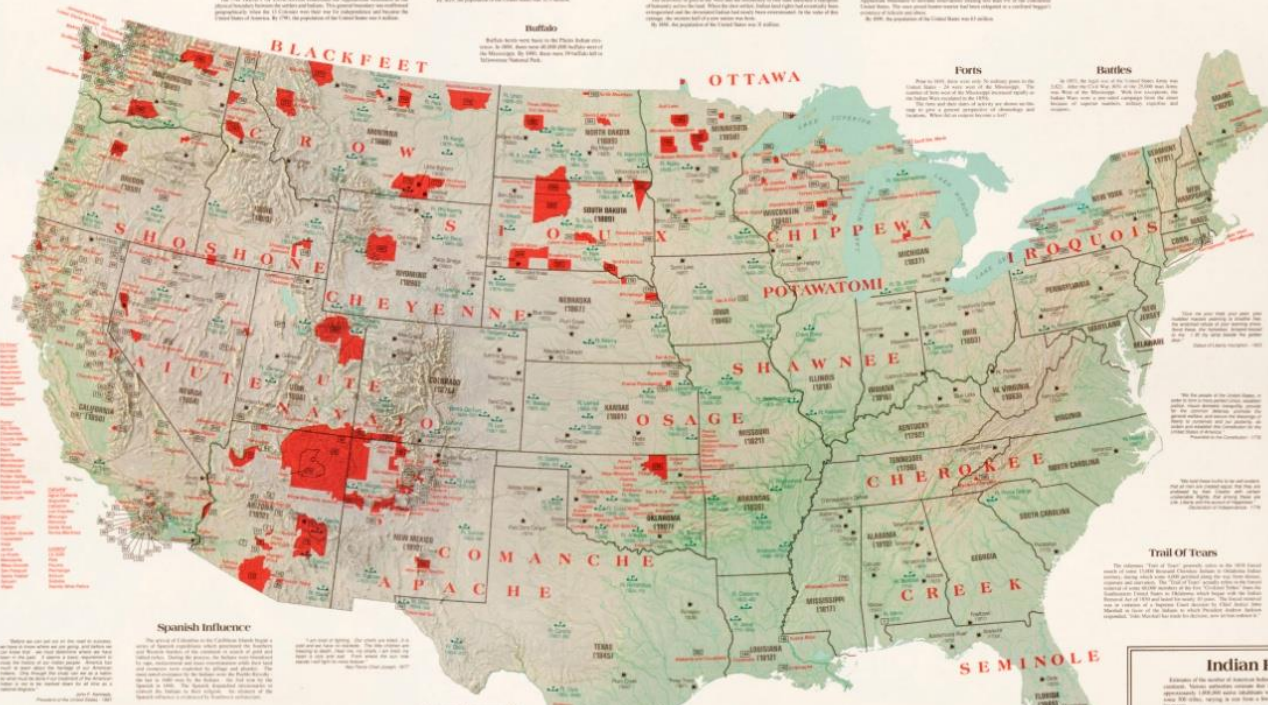
The relationship of the United States to the Indian people has been a complex one. From the early days of exploration and settlement, the Indian people have been a part of the American story. The Indian people have been a source of inspiration and challenge for the United States. The Indian people have been a part of the American dream and the American way of life. The Indian people have been a part of the American identity and the American spirit.

### Indians Today

The Indian people are a diverse and vibrant group. They are a part of the American fabric and the American future. The Indian people are a source of pride and honor for the United States. The Indian people are a part of the American story and the American dream. The Indian people are a part of the American identity and the American spirit.

### Indian Future

The Indian people are a resilient and adaptable group. They are a part of the American future and the American hope. The Indian people are a source of strength and inspiration for the United States. The Indian people are a part of the American story and the American dream. The Indian people are a part of the American identity and the American spirit.



**Spanish Influence**

The Spanish influence on the Indian people is a significant part of their history. The Spanish explorers and settlers brought new ideas and technologies to the Indian people. The Indian people adopted many of these ideas and technologies, and they incorporated them into their own cultures. The Spanish influence is a testament to the resilience and adaptability of the Indian people.

**Oklahoma Indian Lands**

The Oklahoma Indian Lands are a unique and important part of the Indian people's history. The Indian people were forced to move to Oklahoma in the late 19th century. The Indian people in Oklahoma have a rich and diverse culture. The Oklahoma Indian Lands are a source of pride and honor for the Indian people.

**Year Of The Indian**

The Year of the Indian is a special time for the Indian people. It is a time to celebrate their rich and diverse cultures. The Year of the Indian is a time to learn about the Indian people and their history. The Year of the Indian is a time to appreciate the Indian people and their contributions to the United States.

### Synopsis

The synopsis of the Indian people's history is a story of resilience and adaptability. The Indian people have overcome many challenges and hardships. The Indian people have survived and thrived. The Indian people are a testament to the human spirit and the power of hope.

The Indian people's history is a story of courage and determination. The Indian people have fought for their rights and their freedom. The Indian people have won many battles and achieved many victories. The Indian people are a source of inspiration and hope for all people.

**A Quincentennial Map of AMERICAN INDIAN HISTORY**

Thunderbird Enterprises  
 Phoenix, AZ 85004-2128  
 Copyright © 1990 Thunder B. Brand  
 ISBN 0-911-111-11-1

### Chronology

- 1492 Arrival of Columbus in the New World
- 1498 First major Indian contact
- 1540 Spanish exploration of the Southwest
- 1565 The first of many Indian wars
- 1570 The first major Indian war
- 1575 The first major Indian war
- 1580 The first major Indian war
- 1585 The first major Indian war
- 1590 The first major Indian war
- 1595 The first major Indian war
- 1600 The first major Indian war
- 1605 The first major Indian war
- 1610 The first major Indian war
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- 1955 The first major Indian war
- 1960 The first major Indian war
- 1965 The first major Indian war
- 1970 The first major Indian war
- 1975 The first major Indian war
- 1980 The first major Indian war
- 1985 The first major Indian war
- 1990 The first major Indian war

### Clash of Cultures

The clash of cultures between the Indian people and the United States is a complex and ongoing process. The Indian people have a rich and diverse culture, and the United States has a different culture. The clash of cultures is a source of conflict and tension, but it is also a source of growth and change. The Indian people and the United States are learning from each other and growing together.

### Indian Legacy

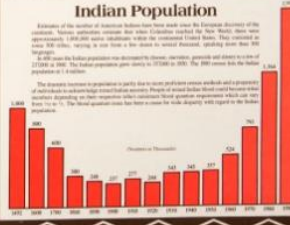
The Indian legacy is a source of pride and honor for the United States. The Indian people have made many contributions to the United States. The Indian people are a source of inspiration and hope for all people. The Indian legacy is a testament to the resilience and adaptability of the Indian people.

### Broken Treaties

The broken treaties between the Indian people and the United States are a source of pain and anger. The Indian people have been promised many things, but they have not been given. The broken treaties are a testament to the dishonesty and greed of the United States. The Indian people are fighting for their rights and their freedom.

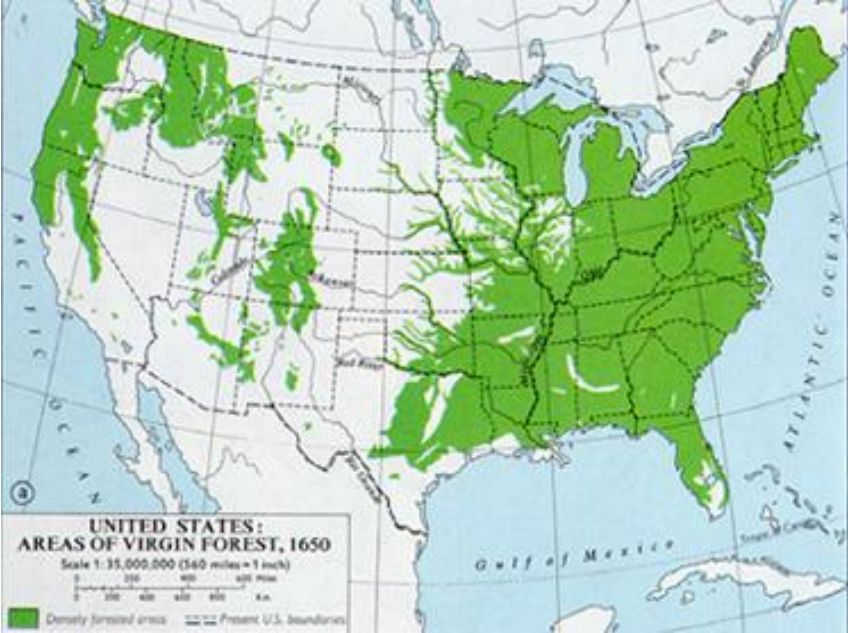
### Trail Of Tears

The Trail of Tears is a dark and painful chapter in the Indian people's history. The Indian people were forced to leave their homes and travel thousands of miles to Oklahoma. Many Indian people died during the journey. The Trail of Tears is a source of grief and sorrow for the Indian people.



# Forested Area 1650

# Forested Area 1926





## Transgenic salmon

US company says its gene-altered fish are identical to the originals, except in its growth rate

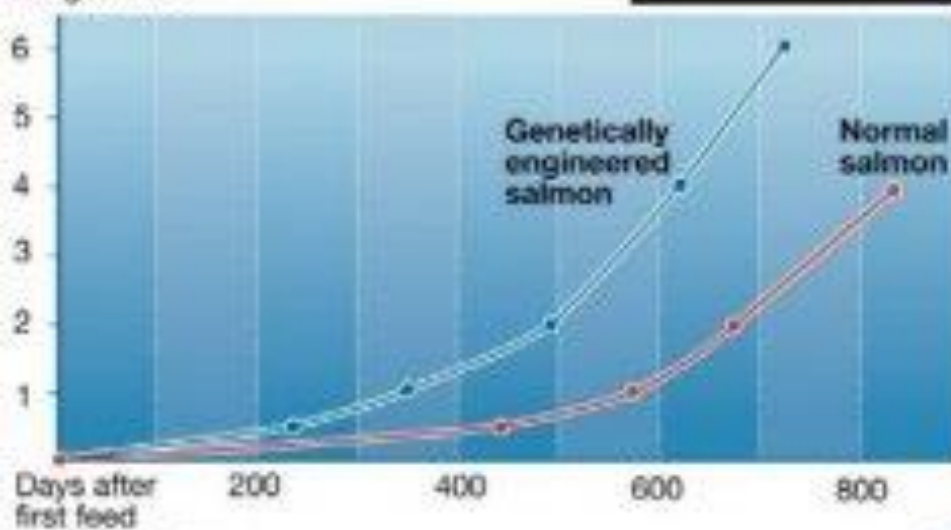
### Size compared

Atlantic salmon engineered with a growth hormone gene from a Chinook salmon



### Growth curve

Kilogrammes



Unmodified salmon of the same age

Source: Aqualounty

AFP





# Authoritarian technics

- patriarchal
- hierarchical
- militaristic
- specialized
- mechanistic



# MOUNTAINTOP REMOVAL MINING





The end point of sadism is necrophilia.

“The passion to transform that which is alive into something un-alive; to destroy for the sake of destruction; the exclusive interest in all that is purely mechanical.”

-Erich Fromm

“Patriarchy is itself the prevailing religion of the entire planet and its essential message is necrophilia.”

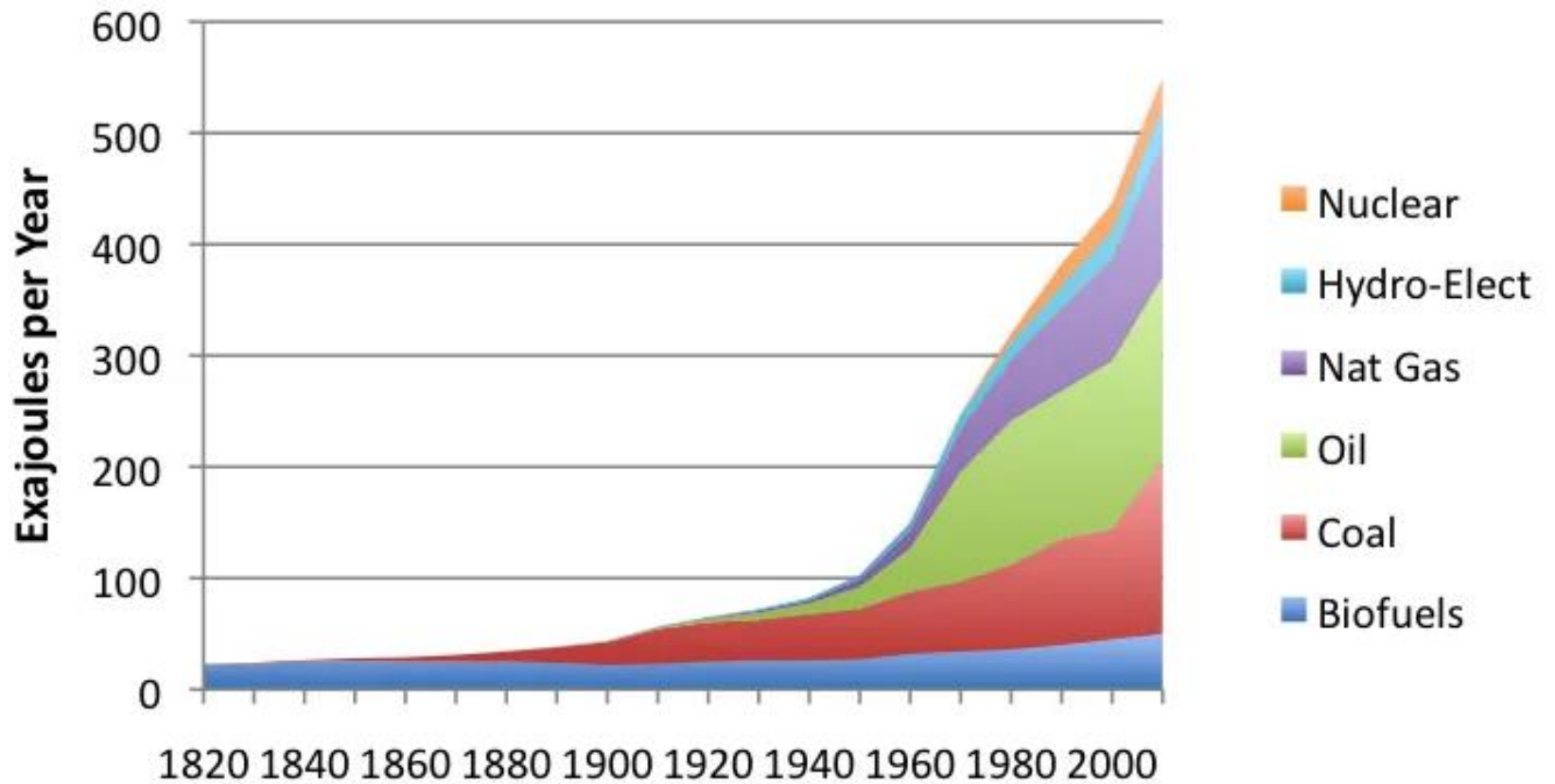
-Mary Daly

*Gyn/Ecology: The Metaethics of Radical Feminism*





# World Energy Consumption



	<b>Fossil Fuels</b>	<b>“Green Technologies”</b>
<b><i>Extraction</i></b>	Requires large-scale unsustainable extraction of metals and other resources.	Requires large-scale unsustainable extraction of metals and other resources.
<b><i>Production</i></b>	Globalized industrial production process requiring energy-intensive technologies.	Globalized industrial production process requiring energy-intensive technologies.
<b><i>Pollution</i></b>	Extreme pollution released from initial exploration through extraction and consumption. Pollution often <i>visible</i> at site of consumption.	Extreme pollution released from initial exploration through extraction and disposal. Pollution often <i>invisible</i> at site of consumption.
<b><i>Human Rights</i></b>	Contributes to resource conflicts, exploitation of labor, and human rights violations worldwide.	Contributes to resource conflicts, exploitation of labor, and human rights violations worldwide.
<b><i>Democracy</i></b>	Technologies largely controlled by multinational corporations. Massive capital required. Community implementation largely impossible.	Technologies largely controlled by multinational corporations. Massive capital required. Community implementation largely impossible.





**Ivanpah Solar Power Facility**





“The land where you dump or bury it [silica tetrachloride] will be infertile. No grass or trees will grow in its place. Human beings can never touch it.”







# COST OF POLYSILICON

## GERMANY

- \$84,500 a ton
- technology is installed to process the silicon tetrachloride waste and render it harmless

## CHINA

- \$21,000 a ton
- dumping the toxic waste in rural areas on powerless village communities

ENVIRONMENT

# Falling solar panel prices spell sunny future for clean energy

Solar electricity has fallen in cost faster than predicted. Within a decade, it will be cheaper to shut down existing coal-fired plants and build new solar plants in their place, experts say.



# SOLAR PANEL PRODUCTION AND GREENHOUSE GASES

Solar panels are one of the leading sources of:

- **Hexafluoroethane**

12,000 times more potent than CO<sub>2</sub>,

100% manufactured by humans

survives 10,000 years once released into the atmosphere

- **Nitrogen trifluoride**

17,000 times more virulent than CO<sub>2</sub>,

- **Sulfur hexafluoride**

25,000 times more powerful than CO<sub>2</sub>



Save a Tree This Earth Day

Subscribe



SCIENTIFIC AMERICAN NOVEMBER 2009

# A Plan to Power 100 Percent of the Planet with Renewables

Wind, water and solar technologies can provide 100 percent of the world's energy, eliminating all fossil fuels. Here's how

By Mark Z. Jacobson, Mark A. Delucchi



In December leaders from around the world will meet in Copenhagen to try to agree on cutting back greenhouse gas emissions for decades to come. The most effective step to implement that goal would be a

# **Jacobson's plan would require:**

- \* more than 2.4 billion tons of steel
  - \* 1.9 million tons of copper
- \* 133 million tons of composite fiber materials
- \* around 2.6 billion tons of concrete and steel for foundations

**That amount of steel is 120 percent of the steel produced across the entire world in 2018.**































# BRIGHT GREEN LIES

- Industrial civilization requires industrial levels of energy. That's what it takes to fuel the wholesale conversion of living communities into dead commodities. That conversion is the problem.
- Fossil fuel—especially oil— is functionally irreplaceable. The proposed alternatives will never scale up to power an industrial economy.
- The proposed technologies are assaults against the living world.





"This disturbing but very important book makes clear we must dig deeper than the normal solutions we are offered."—YVON CHOUINARD, FOUNDER OF PATAGONIA

# BRIGHT GREEN LIES

How the Environmental Movement Lost Its Way  
and What We Can Do About It

**DERRICK JENSEN**  
LIERRE KEITH / MAX WILBERT