

The Atheist's Riddle

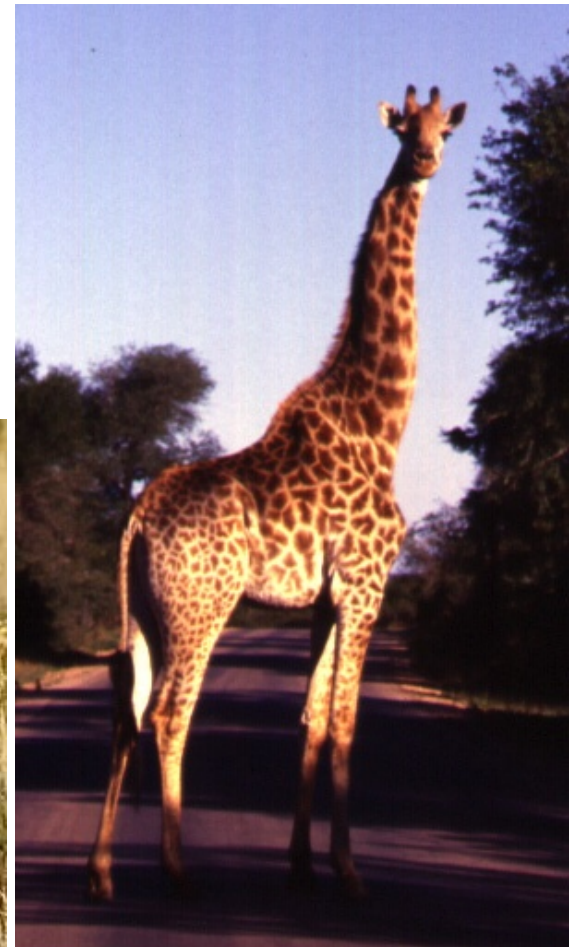
Part II:

Evolution

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A Christian and an Atheist Go to the Zoo

- Did the Antelope evolve into the Giraffe?
- Anecdotal Evidence
- Must reduce the question to first principles



Evolution is Everywhere

- One of the most useful concepts of our time
- Household word
- Moore's Law
- Businesses, Technologies, Markets, Political Movements evolve
- We evolve

3 Kinds of Evolution

- Deliberate Mutation + Natural Selection + Time = Design
 - **Business & Technology, NBA Playoffs**
- Random Mutation + Deliberate Selection + Time = Design
 - **Scrabble, Genetic Programs**
- Random Mutation + Natural Selection + Time = Design
 - **Biology (???)**

How Do Designs Evolve?

- Design <> Language
- Evolution of Language: Increase in Information
- Natural Selection? YES.
- Random Mutation? Let's find out -
Random Mutation Generator
- Substitutes text or binary characters randomly

Random Mutation Program

www.RandomMutation.com

Random Mutation Generator

Automatically adds random mutations to any text you paste into the box below!

Enter text in the box below, up to a maximum of 500 words:

<pre>The quick brown fox jumped over the lazy dog</pre>	
<i>Number of mutations:</i>	<input checked="" type="radio"/> 1 <input type="radio"/> 2 <input type="radio"/> 5 <input type="radio"/> 10
<i>Type of mutation:</i>	<input checked="" type="radio"/> Text <input type="radio"/> Binary
<input type="button" value="Mutate!"/>	<input type="button" value="Reset"/>

Can Random Mutations Increase or Improve Design Information?

- Precise Analogy: Evolving Business
- Advertising: Testable Language of Business & Natural Selection
- Scientific Advertising: Claude Hopkins, 1918
- Scientific Advertising Examples...

Scientific Advertising Cont'd

Push Button Shave Cream

Vs.

Moisturized Shave Cream

In tests, “Push Button Shave Cream”
outperformed “Moisturized Shave
Cream” 2:1

Scientific Advertising Cont'd

What is Buffered Aspirin

Vs.

**How to Stop a Headache
Without Upsetting Your Stomach**

In tests, “What is Buffered Aspirin” won by
50%

Google Advertising: The Ultimate Darwinian machine



Web

Results 1 - 10 of about 2,820,000 for [red wagon](#). (0.15 seconds)

Product search results for [red wagon](#)



[Radio Flyer Little Red Wagon - 5](#) - \$14.99 - Target

[Classic Red Wagon](#) - \$54.99 - Buy.com

[Radio Flyer 18 Classic Red Wagon - By The Makers Of The Red Wagon](#) - \$59.95 - SHOP.COM

[Red Wagons \(TM\): Official Site - Radio Flyer Wagons, Children's ...](#)

Red Wagons (TM): Official Site sells Radio Flyer **red wagons** educational children's products, and classic children's toys.

[www.redwagons.com/](#) - 19k - [Cached](#) - [Similar pages](#)

[The Red Wagon Toy Company](#)

Build a legacy with your child. Make a lasting memory with a toy that is special for your child.

The **Red Wagon** Toy Company LLC has been on the Internet ...

[www.redwagon.com/](#) - 33k - Apr 2, 2005 - [Cached](#) - [Similar pages](#)

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Browse a huge selection now
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[Red Wagon](#)

Search major toy stores with this
useful site. Hot Toys for 2003.
[www.toyavenue.com](#)

[Red Wagons Coupons](#)

Get Free Coupons for **Red Wagons**
.com at CouponCabin.com
[www.couponcabin.com](#)

Google Survival of the Fittest

Simple Self Defense

For Ordinary People

Easy Personal Protection Training

www.tftgroup.com

Simple Self Defense

For Ordinary People

Fast Personal Protection Training

www.tftgroup.com

Response: 0.8%	Response: 1.3%
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Can Random Mutation Write a Better Ad?

Simple Self Defense

For Ordinary People

Easy Personal Protection Training

www.tftgroup.com

Can Random Mutation Write a Better Ad?

After 1 mutation:

Simple Self Defense

For Ordinary People

Easy Personal Protection Training

www.tftgroup.com

Can Random Mutation Write a Better Ad?

After 5 mutations:

Simple Self Def4nse

For Ordinary Peopla

Easy Personal Protect0ov Traininf

www.tftgroup.com

Can Random Mutation Write a Better Ad?

After 10 mutations:

Simple SPIf Def4nse

For Ordinary Geopla

Emsy Personal Protect0ov Traininf

ww8.tftgroup.com

Can Random Mutation Write a Better Ad?

After 50 mutations:

3iCpBxgfelf dezensqo

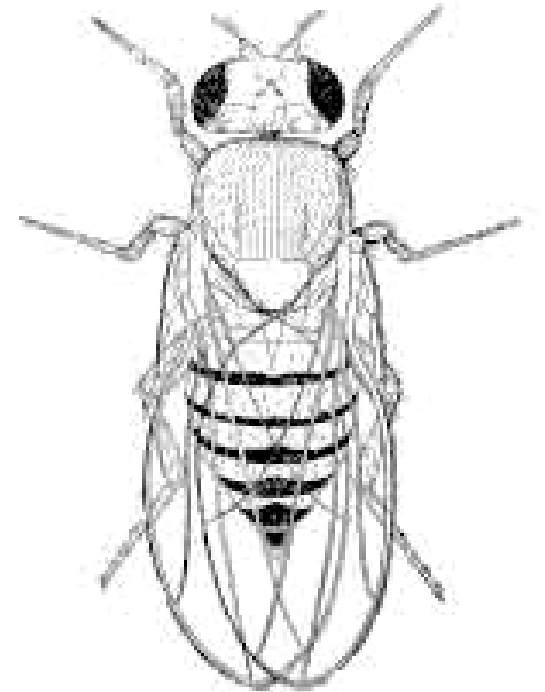
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Fruit Fly Radiation Experiments

- Decades of experimentation starting in 1906
- No new species
- Missing organs, deterioration, sterility, reduced wings & legs; feet growing out of mouth
- Not a single improved fruit fly



New Insight!

Random Mutation

+

Natural Selection

+

Time

= **Extinction**

Why Random Mutation Always Degrades Information

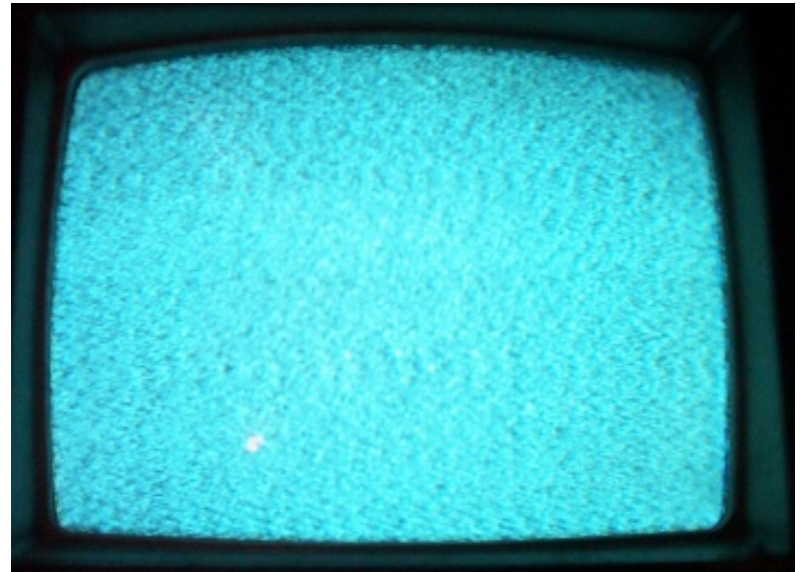
- Can only change at lowest (alphabet) level
- Language can only be improved from the top, working down to the bottom (intent > meaning > sentences > words > alphabet)
- Mutations fracture all layers from bottom to top
- No stepwise, non-destructive process from “Easy Personal Protection Training” to “Fast Personal Protection Training”: Only way to do this randomly: 2 simultaneous mutations – chances 1 in 43 million. For this ad in this market, that would take 43,000 years
- The quick brown fox jumped over the lazy dog vs
- The quick black fox jumped over the lazy dog: No stepwise path
- Simplest example of Irreducible Complexity

Why Random Mutation Always Degrades Information Cont'd

- No way to focus mutations on needed areas
- Odds of adjacent mutations = nearly zero (two chances in n^m)
- DNA: No feedback link between environment and code
- The more genes, the worse it gets
- Random Mutation = NOISE
- Noise is always bad
- Claude Shannon: Noise = Entropy

Noise

- What noise looks like
- What noise sounds like
- Noise creates uncertainty
- Impossible to get information from noise



Werner Gitt's Proof

1. No information can exist without a code.
2. No code can exist without a free and deliberate convention.
3. No information can exist without the five hierarchical levels: statistics, syntax, semantics, pragmatics, and apobetics
4. No information can exist in purely statistical processes.

Werner Gitt's Proof Cont'd

5. No information can exist without a transmitter.
6. No information chain can exist without a mental origin.
7. No information can exist without an initial mental source; that is, information is, by its nature, a mental and not a material quantity.
8. No information can exist without a will.

Objections to Gitt's Proof

- “No mathematical definition of information”
- “Uncertainty increases information”
- “No formula for proving randomness”
- “Semantics doesn't matter”
- Inversion of Claude Shannon's theory

Genetic Programs

- Richard Dawkins: METHINKS IT IS LIKE A WEASEL
- Avida:
 - Randomly generates machine-language algorithms
 - Rewards successes with more resources
 - No mutations in surrounding structure
 - Example of Intelligent Evolution, not Naturalistic Evolution

Semantics of Evolution

- Biological Neo-Darwinism is the *only* instance where the word “Evolution” refers to a truly random, blind process
- All other forms of evolution refer to intelligent activity
- Evolution = Chaos Resolved by Intent
(Requires a mind)

Problems with Naturalistic Evolution

- Feedback from learned traits to DNA (Lamarckian evolution): Disproven
- Random mutation cannot increase information
- Natural selection cannot increase information
- Evolution of any kind requires a mind

Evolution Possibilities

- Haven't disproven evolution per se
- Have disproved random mutation and current naturalistic explanations
- Evolution protocol resides in DNA?
- Undiscovered information mechanism?
- Divine Intervention?

Evolution Predictions, Based on Communication Theory

- DNA unrivaled in sophistication, elegance, robustness and density of information
- “Junk DNA” may have an evolutionary function
- New property of DNA or matter could be discovered (a la Newtonian > Quantum)
- Far more amazing than previously thought

Prescient Revelation

- 1500 BC: “And God said”
- 90 AD: “In the beginning was the WORD”