

## Earthly / Heavenly Things

## Genesis Flood

- Kind:
- There are known crosses between so-called species, but there are many instances of mating between genera, so the "kind" may in some cases be as high as the family, but more prevalently genus.
- i.e. (selective breeding, not particles to humans)
- Horses, zebras, donkeys, and mules they can interbreed.
- Dogs, wolves, coyotes and jackals
- Lions, tigers, cheetahs, jaguars... (Ligers and Tigons ☺)

## Genesis Flood

- The Ark measured 300 x 50 x 30 cubits (Genesis 6:15), about 450 x 75 x 45 feet
- Area = 450 x 75 x 3 levels = 101,250 ft<sup>2</sup> (15 ft high)
- An average railroad car is about 50 ft x 9 ft = 450 ft<sup>2</sup> (10 ft high)
- This is about 225 railroad cars, each of which can hold about 240 sheep
- Woodmorappe tallied up about 8,000 genera, including extinct genera.
- Two of every kind = 16,000 animals roughly
- Woodmorappe's research suggests average animal size would fit in a 20 x 20 x 12 in cage
- 36,450 animals of this size would fit in the ark
- If the animal size doubled you could still fit 18,225
- Stacked cages
- Younger animals
- 40 day journey, not a pleasure cruise

Woodmorappe, J., 1997. Noah's Ark: A Feasibility Study. Institute for Creation Research, El Cajon, CA, USA.

## Wikipedia "flood myth"

- Contents
- 1 Flood myths in various cultures
  - 1.1 Ancient Near East
    - 1.1.1 Sumerian
    - 1.1.2 Babylonian (Epic of Gilgamesh)
    - 1.1.3 Jewish
    - 1.1.4 Islamic
  - 1.2 Asia-Pacific
    - 1.2.1 China
    - 1.2.2 Lao (Indochina)
    - 1.2.3 India
    - 1.2.4 Andaman Islands
    - 1.2.5 Indonesia
    - 1.2.6 Australia
    - 1.2.7 New Zealand
    - 1.2.8 Malaysia
  - 1.3 Europe
    - 1.3.1 Greek
      - 1.3.1.1 Ogges
      - 1.3.1.2 Deucalion
      - 1.3.1.3 Dardanus
      - 1.3.1.4 From The Theogony of Apollodorus
    - 1.3.2 Germanic
    - 1.3.3 Irish
    - 1.3.4 Finnish
  - 1.4 North America
    - 1.4.1 Menominee
    - 1.4.2 Mikmaq
    - 1.4.3 Caddo
    - 1.4.4 Hopi
  - 1.5 Mesoamerica
  - 1.6 South America
    - 1.6.1 Inca
    - 1.6.2 Mapuche
    - 1.6.3 Muisca
  - 1.7 Polynesian

## John 3

- "If I told you earthly things and you do not believe, how will you believe if I tell you heavenly things?"

## 1st Law of Thermodynamics

- **First law of thermodynamics**, about the conservation of energy:
- The change in the internal energy of a closed thermodynamic system is equal to the sum of the amount of heat energy supplied to or removed from the system and the work done on or by the system. So, we can say (1) "**Energy is neither created nor destroyed**"

## 2nd Law of Thermodynamics

- Entropy:
- **The total entropy of any isolated thermodynamic system always increases over time**, approaching a maximum value or we can say, "In an isolated system, the entropy never decreases." Another way to phrase this: Heat cannot spontaneously flow from a colder location to a hotter area - work is required to achieve this.

## 2nd Law of Thermodynamics



## 2nd Law of Thermodynamics

- Entropy:
- "The second law of thermodynamics is often expressed in terms of the amount of "order" or "disorder" of a system, in which "order" is associated with low-probability (unlikely)... and "disorder" is associated with high-probability (likely), mixed-up arrangements of the elements."
- "Disorder is much more probable than order."
- "The direction of spontaneous change as a result of a random influence is from order toward disorder."
- **"high-grade energy is dissipated irreversibly to a low-grade form in every energy transformation."**

Book on energy needs of the world, no religious slant.  
Energy, Science and the pursuit of sustainability By Robert D. Bent, Lloyd Orr, Randall Baker

## 3rd Law of Thermodynamics

- Absolute zero of temperature:
- **As a system asymptotically approaches absolute zero of temperature all processes virtually cease and the entropy of the system asymptotically approaches a minimum value**; also stated as: "the entropy of all systems and of all states of a system is smallest at absolute zero" or equivalently "it is impossible to reach the absolute zero of temperature by any finite number of processes." Absolute zero, at which all activity would stop if it were possible to happen, is  $-273.15\text{ }^{\circ}\text{C}$  (degrees Celsius), or  $-459.67\text{ }^{\circ}\text{F}$  (degrees Fahrenheit) or  $0\text{ K}$  (kelvins, formerly sometimes degrees absolute).

## The Universe

- Say that there are 6,000 "units" of entropy today.
- 1 "unit" of entropy on average is generated every year.
- Where does that put us 6,001 years ago?
- There was a beginning.



## John 3

- "Truly, truly, I say to you, we speak of what we know and testify of what we have seen, and you do not accept our testimony. <sup>19</sup> If I told you earthly things and you do not believe, how will you believe if I tell you heavenly things? <sup>20</sup> No one has ascended into heaven, but He who descended from heaven: the Son of Man."