

# THE ADSTOCK SCIENCE CLUB



Science is all about asking questions and trying to get meaningful answers. In the spirit of this, at the last TASC meeting, we were asked a few questions in the guise of a Science Quiz. This torture had been cunningly devised by one of our more learned members – Steve.

I won't be disclosing who the winner was as this would only be showing off. Anyway it was suggested that I put some of the questions down here just to see if other Adstockians can cut the mustard. So here goes – I have included the answers on page 13 (don't cheat! Google's cheating as well!).

## **Space the Final Frontier**

- 1) *What was the number of the first and last manned Apollo Mission?*
- 2) *How many Shuttle flights were made*
- 3) *Name all the Shuttle crafts*
- 4) *What year was the Hubble Space Telescope launched?*
- 5) *By current estimates, how old is the Universe?*
- 6) *In Star Trek, how fast is Warp 3? (Using The Next Generation warp computation)*
  - a. *3 times the speed of light*
  - b. *27 times the speed of light*
  - c. *300 times the speed of light*
  - d. *1000 times the speed of light*

## **Earth Sea and Sky**

- 7) *What is the Lithosphere?*
  - a. *Top most layer of atmosphere*
  - b. *Top most layer of the earth's surface*
  - c. *Lowest layer of the atmosphere*
  - d. *The centre of the earth*
- 8) *What is the circumference of the earth?*
- 9) *How fast would a person standing at the equator be travelling as the earth rotates?*
- 10) *How much does the air in a room 2.36m x 3m x 2m weigh?*
- 11) *Earthquakes are measured using the Richter Scale. Which decade was his scale conceived?*
- 12) *Every year approximately how many earthquakes occur which are strong enough to be felt without instruments worldwide?*

## **Our bodies**

- 13) *If you stretched a segment of human DNA straight, approximately how long would it be?*
- 14) *How many bones are in the human body?*
- 15) *Where are the bones, called the phalanges, located in the human body?*
- 16) *How many of them are there?*
- 17) *What area of research does the Granzfield Experiment attempt to investigate?*
- 18) *How much salt is in the average human body?*
  - a. *20grams*
  - b. *50grams*
  - c. *200grams*

At our next meeting Tony Bates and I will attempt to give a talk about the Origin of Man. I am also trying to get guest speakers from the Rutherford Appleton Laboratory to talk about their particular projects. In addition I hope to be able to set up a Skype presentation with Reaction Engines Limited, who are in the forefront of UK rocket engine design for the Skylon rocket plane project.

Good luck with the questions.

**Answers to TASC Quiz from page 9**

1) 7 & 17 2) 135 3) Enterprise, Columbia, Challenger, Discovery, Atlantis & Endeavor 4) 1990  
5) 13.75 Billion years 6) B 7) B 8) 24,800miles or 40,075 Km 9) 1,037 mph or 1,670 Km/hr  
10) 17 Kg 11) 1930's 12) 7,000 13) 2 to 3 meters 14) 206 15) Hands and feet 16) 56  
17) Extra Sensory Perception (ESP) 18) C.