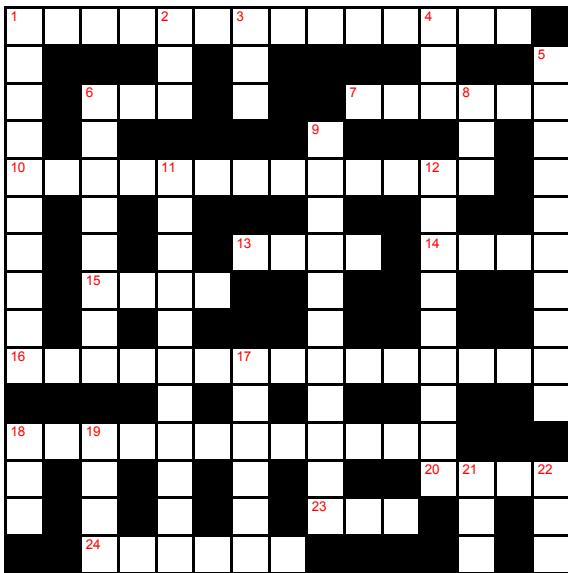


Engineering_15x15_2006-08-23

B.B. Huria



Across

- 1 A system in which controlled nuclear fission takes place to produce heat energy. (7,7)
- 6 Bend under weight (downward in the middle). (3)
- 7 A wheel with a grooved rim for a rope, cable, or belt, especially one used as a pulley. (6)
- 10 A moveable bridge which enables boats to pass. (7,6)
- 13 An electrical device that fits into socket to establish connection. (4)
- 14 Refers to a circuit in which electric current is flowing. (4)
- 15 A horizontal bar used to strengthen the legs of a chair or stool. (4)
- 16 The greatest longitudinal stress that a material can

bear without tearing apart. (7,8)

- 18 An engine consisting of two cylinders, by which cloth is calendered, waved and tabbed. (7,5)
- 20 A plant consisting of one or more buildings with facilities for manufacturing. (4)
- 23 A small metal block with internal screw thread to be fitted onto a bolt. (3)
- 24 A group of independent but interrelated elements comprising a unified whole. (6)

Down

- 1 In a vibrating plate or cord, that point which remains at rest while the other parts of the body are in a state of vibration. (5,5)
- 2 A cgs unit of work or energy; the work
- 4 done by a force of one dyne acting over a distance of one centimeter. (3)
- 5 Formation of masts, spars, sails, etc., on a vessel. (3)
- 6 A horizontal beam used to prevent two other structural members from spreading apart or separating. (3)
- 7 The total weight of everything carried on a ship, equal to the difference between the laden and unladen weight. (4,6)
- 8 Iron having a low carbon content, often used in solenoid cores. (4,4)
- 9 An edge tool with a heavy bladed head mounted across a handle. (3)
- 11 Iron having a low carbon content that is tough and malleable

and so can be forged and welded. (7,4)

- 11 Fragments of iron rubbed off by the use of a file. (4,7)
- 12 Electricity produced by chemical action. (9)
- 17 A machine which uses energy from fuel to perform tasks. (6)
- 18 A tool for driving or forcing something by impact. (3)
- 19 A transparent optical device used to converge or diverge transmitted light and to form images. (4)
- 21 Electrically charged atom or atom group. (3)
- 22 The time between one event, process, or period and another. (3)