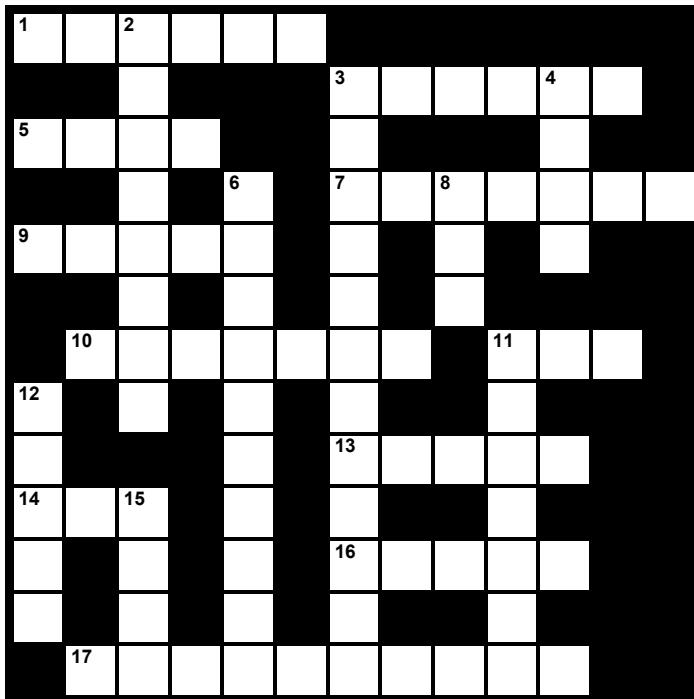


## Measurement\_Systems\_13x13\_2003-07-23

B.B. Huria



### Across

- 1 A 60th part of a minute of arc. (6)
- 3 A unit of angular distance equal to a 60th of a degree. (6)
- 5 The molecular weight of a substance expressed in grams; the basic unit of amount of substance adopted under the System International d'Unites. (4)
- 7 That's what the letter 'T' stands for in acronym 'BTU'. (7)
- 9 One of the twelve divisions of the calendar year. (5)
- 10 The amount of heat required to raise the temperature of 1 g of water from 14.5° to

15.5° C. (7)

- 11 A unit measurement of heat or energy, equal to 1055 joules; equivalent to approximately 0.293 watt-hour. (3)
- 13 In engineering, it equals 100.0 ft or 100 links of 1.0 ft each. (5)
- 14 Time for Earth to make a complete rotation on its axis (3)
- 16 A unit of radioactivity equal to the amount of a radioactive isotope that decays at the rate of 37,000,000,000 disintegrations per second. (5)
- 17 A system of weights used for precious metals and

gemstones; based on a 12-ounce pound and an ounce of 480 grains. (4,6)

### Down

- 2 System of measuring time by dividing time into days, weeks, months, and years. (8)
- 3 Cycle of 19 years (235 lunar months), at the end of which time the full moon appears on the same day in the year as it did at the beginning of the cycle. (7,5)
- 4 This is what you always stand to lose, whatever you do. (4)
- 6 Science dealing with division of time into regular periods. (10)
- 8 It is the longest major division of time, subdivided into periods and epochs. (3)
- 11 That's what the letter 'B' stands for in acronym 'BTU'. (7)
- 12 A numerical scale used to compare variables with one another or with some reference number. (5)
- 15 Period of time taken by the earth to complete one revolution around the sun. (4)