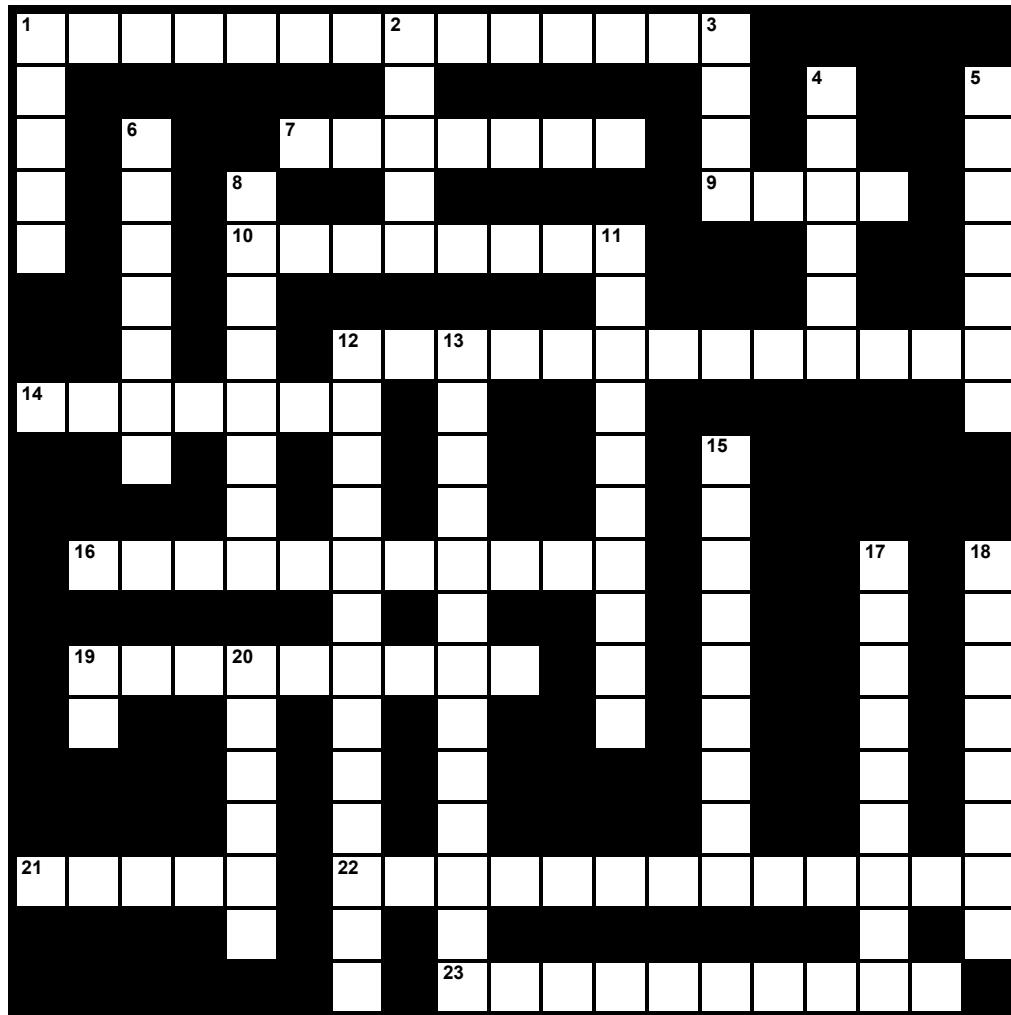


# 2003-03-02\_Aquarium\_19x19

B.B. Huria



## Across

- |   |   |  |   |
|---|---|--|---|
| <p><b>1</b> Purification of water by forcing it through a semipermeable membrane which prohibits salts or impurities to pass. (7,7)</p> <p><b>7</b> A naturally occurring ore which absorbs</p> | <p>ammonia and softens water. (7)</p> <p><b>9</b> Partially carbonized vegetable matter saturated with water; can be used as a filter material to soften water and make it more</p> | <p>acidic. (4)</p> <p><b>10</b> Rocks taken from the vicinity of a tropical coral reef with all of the life intact on them. (4,4)</p> <p><b>12</b> In this form of a wet/dry filter water is dripped over some media</p> | <p>which is also exposed to the air, which promotes nitrification. (7,6)</p> <p><b>14</b> A device which makes aquarium water cooler. (7)</p> |
|---|---|--|---|

- 16 Fish which produce live young rather than laying eggs. (4,7)
- 19 This is a small mechanical filter attached to the input to another filter to avoid clogging in the latter. (9)
- 21 Plant-like chlorophyll-containing aquatic organisms lacking true stems and roots and leaves. (5)
- 22 The process by which ammonia is changed to nitrite, then nitrate, and finally nitrogen gas. (13)
- 23 Ultraviolet XXXXXXXXXX X uses UV light to kill bacteria and other tiny organisms. (10)
- 3 A receptacle that is placed under the main aquarium, to increase the system's total water volume, and to place various pieces of hardware, like pumps, heaters, reactors, probes, etc. (4)
- 4 That is what the letter "G" stands for in acronym "UGF" meaning under XXXXXX filter. (6)
- 5 A valve which produces bubbles by drawing air into quickly flowing water. (7)
- 6 Its chemical formula is  $\text{NH}_3$ . (7)
- 8 With pH value above 7. (8)
- 11 German word for water with calcium hydroxide dissolved in it. (10)
- 12 Chemicals, just like vitamins, needed to be replenished in small amounts for aquarium creatures to survive. (5,8)
- 13 Animals without backbones. (13)
- 15 Living or active in the absence of free oxygen. (9)
- 17 A mineral form of crystalline calcium carbonate, that makes up coral skeletons and coral sand. (9)
- 18 Commonly used to keep bacteria out of municipal water supplies. It is poisonous to fish, but can be removed with special dechlorinating compounds. (8)
- 19 A measure of how acidic or alkaline a solution is. (2)
- 20 A device that removes something from whatever passes through it. (6)

## Down

- 1 Acronym for reduction-oxidation potential. (5)
- 2 A gas, which is used as a sterilizing agent to kill bacteria and small organisms in the