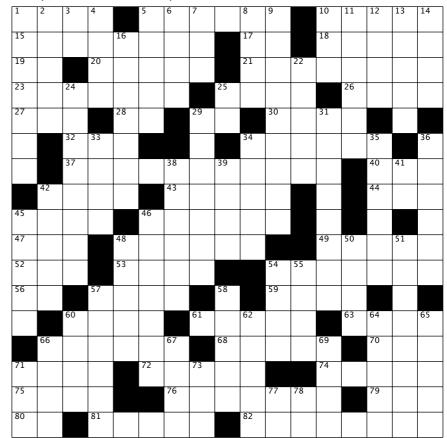
A second topology crossword puzzle Created by Jean Goubault-Larrecq

ACROSS

- 1. Water of Valladolid
- 5. Talk rapidly and unintelligibly
- 10. Confused
- 15. The finest possible topology
- 17. Bovine
- 18. Fat: prefix
- 19. Scottish sweetheart
- 20. Landscape painter Jean-Baptiste
- 21. ___-Waszkiewicz Theorem: characterizes Yonedacompleteness (Thm. 7.4.27)
- 23. Politically active
- 25. Gossip
- 26. Tradition and knowledge
- 27. To acknowledge a debt
- 28. Canadian province
- 29. C
- 30. Musical conclusion
- 32. Binary coded decimal
- 34. Way-below itself (Def. 5.1.7)
- 37. A quotient in Top, e.g. (Ex. 4.12.11)
- 40. Classic car company
- 42. 128 cubic feet
- 43. IBM programming languages of the 60s
- 44. "All ___ is quite useless", Oscar Wilde quote
- 45. ___ the Last Dance, 2001 movie
- 46. Stolen
- 47. Gold or silver, e.g.
- 48. Single-___ race car
- 49. Whose specialization quasiordering is an ordering (Prop. 4.2.3)
- 52. Don't expect to remain 45-down in it
- 53. Not
- 54. Tychonoff, Urysohn, or Johnstone, e.g.
- 56. Go home?
- 57. Actor Alan or Cheryl
- 59. Wqo whose Hoare powerspace is not (Ex. 9.7.25)
- 60. Asian curd
- 61. ___ Vietoris: topology on sobrification (Def. 8.2.17)
- 63. In a Venetian blind
- 66. Oriental guard
- 68. Easily influenced
- 70. Had a meal
- 71. Author of Wozzeck
- 72. Country of Gangnam
- 74. Roman, e.g.
- 75. Studied c-spaces (Sec. 5.1.2)
- 76. Has finite infs and sups (Sec. 2.3.2)
- 79. In a foot
- 80. Northeastern state
- 81. Fundamental theorem of completely distributive lattices (Ex. 8.3.16)
- 82. Next to



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DOWN

- 1. The left one is free, the right one is forgetful (Sec. 5.5.2)
- 2. French writer, author of The Horseman on the Roof (Le Hussard sur le Toit)
- 3. You and me
- 4. Bank stmt.
- 5. Bacteria, e.g.
- 6. Lunch ___ a Skyscraper, famous photograph
- 7. Risk some money
- 8. Norse shapeshifter god
- 9. Drove out an evil spirit
- 10. Small rug
- 11. One discoverer of the formal ball construction (Section 7.3)
- 12. Chinese: prefix
- 13. Hopefully in Rome
- 14. Crosspiece on a pair of 17-across
- 16. A kind of ideal (Prop. 5.1.33)
- 22. Relates topology and order, first part (Sec. 8.1)
- 24. Can extract a finite one from any open cover, if compact (Def. 4.4.1)
- 25. Haircut
- 29. Second part of 22-down
- 31. Used to define the Scott topology (Def. 4.2.16)
- 33. Prefix with compact or open (Def. 5.2.3, 5.4.1)
- 34. Larger, as topology (Sec. 4.1.1)
- 35. Rubber

- 36. Least (Sec. 2.3.2)
- 38. ___-closed, a.k.a., saturated (Prop. 4.2.9)
- 39. Run with a long bounding stride
- 41. Hesitation
- 42. Precious 200 milligrams
- 45. Topological property defined by 22 and 29-down (Chap. 8)
- 46. Eider or scoter, e.g.
- 48. Mess
- 50. Messes
- 51. Set of pairs if binary (Sec. 3.1)
- 54. Practical way of organizing strategies (Sec. 7.6.2)
- 55. Aesop's also-ran
- 57. More tedious?
- 58. Set with a partial ordering (Sec. 2.3.1)
- 60. Change course
- 62. ___ mess!
- 64. Coffee in Venice, CA, or milk in Venice, It.
- 65. Principle of belief
- 66. Weird
- 67. Open ___ topology, similar to upper in hemi-metric spaces (Ex. 6.2.11)
- 69. Guilty, or not guilty
- 71. Scottish peak
- 73. D
- 77. Subconscious
- 78. Head of the US federal court system