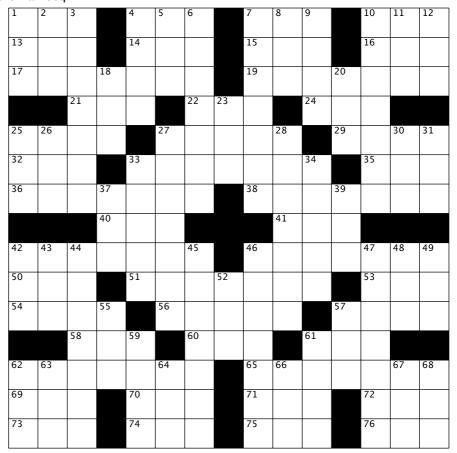
## Compactness! Created by Jean Goubault-Larrecq

## **ACROSS**

- 1. Some cotton
- 4. Supremum (Sec. 2.3.2)
- 7. Minimal upper bounds (Ex. 9.6.16)
- 10. Piece of clothing designed by G. Plotkin, maybe (Fig. 9.4)
- 13. I
- 14. Go wrong
- 15. Timetable abbr.
- 16. Lyric poem
- 17. Coauthor of Weierstrass who proved compact=sequentially compact in metric spaces (Prop. 3.3.7; name not mentioned in the book, sorry)
- 19. Easier to understand
- 21. Greek goddess of dawn
- 22. Speed meas.
- 24. Beta's objective; alpha's as well (Sec. 7.6.1)
- 25. Insane in spain
- 27. Coauthor of Lebesgue who prove compact=closed +bounded in R^n (Prop. 3.3.4)
- 29. Enthralled
- 32. Annoy
- 33. Coauthor of Tong who proved an insertion theorem (Ex. 6.3.21)
- 35. Zip-A-Doo-\_\_\_
- 36. Building
- 38. Saving
- 40. Moose relative
- 41. Time since birth
- 42. Mel Brooks' "Blazing \_\_\_"
- 46. Not quite 62-across... a mess, actually
- 50. Born Cassius Clay
- 51. T-shirt opening
- 53. Anger
- 54. Stinging critter
- 56. Sordid
- 57. Requirement
- 58. Oxygen, e.g.
- 60. Stinging critter
- 61. Brother or sister
- 62. Every net has such a point in a compact set (Prop. 4.7.22)
- 65. Hail
- 69. Help!
- 70. Had a bite
- 71. Processor
- 72. "The Company"
- 73. Small child
- 74. Tavern



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- 75. A bit
- 76. Brooks of country music's Brooks and Dunn

## **DOWN**

- 1. World-wide?
- 2. Back
- 3. \_\_\_-Greco-Lechicki Theorem: every T3 Cech-complete space is consonant (Ex. 8.3.4)
- 4. Oceans
- 5. Ash container
- 6. Raise
- 7. Amazonian knife
- 8. Www address
- 9. Make beer or coffee
- 10. Air vortex
- 11. Chemistry ending
- 12. Always, to the poet
- 18. Menagerie
- 20. Oxygen and nitrogen, for the most part
- 23. Prefix with compact (Thm. 3.4.8)
- 25. Make stuff up
- 26. Category of posets (Sec. 4.12.1)
- 27. Supporters
- 28. Adverb with compact (Sec. 4.8)
- 30. Grier of "Jackie Brown"

- 31. Your, religiously
- 33. "To \_\_\_ Mockingbird", Harper Lee novel
- 34. Fashion
- 37. FBI agent
- 39. Contains a subnet that converges, in compact sets (Corl. 4.7.27)
- 42. Carpenter's tool
- 43. In the style of
- 44. Revulsion
- 45. Dirty campaigner
- 46. Definitely topical in this puzzle
- 47. Curtain holder
- 48. Before, to the poet
- 49. \_\_\_ Cross
- 52. Owns
- 55. Not, in Paris
- 57. Not any
- 59. Pierce
- 61. Gulf War missile
- 62. Chicago hrs.
- 63. Toilet, to Brits
- 64. One of the equations defining exponentials (Sec. 5.5.1)
- 66. Tax pro
- 67. Three in Rimini
- 68. Attained sup (Sec. 2.3.2)