A first Sunday crossword puzzle  Created by Jean Goubault-Larrecq

ACROSS
1. Rudimentary boat
5. Short constant
8. Metric measure
11. Insect
14. Charles, for short
18. Narrow boat
19. Atmospheric
20. Drink
22. Net feature, preserved by continuous maps (Def. 4.7.3)
24. End of it all?
25. One in Pisa
26. Tennis shot
27. Cotton
28. Amerindians from Missouri, originally
29. Inf when attained (Cor. 3.5.6, e.g.)
30. Be in compact or closed (Ex. 4.1.21, Sec. 4.8)
33. Expressing clearly
36. Root mean square
37. One of the equations defining exponentials (Sec. 5.5.1)
39. Period of time
40. Occur as a result
41. Bog fuel
42. Loony
44. 57-across and Hausdorff (Def. 4.1.12)
48. Flatfish
50. With Mummert, characterizes continuous open images of complete metric spaces (Ex. 7.6.20)
53. Katetov-Tong ___ theorem (Ex. 6.3.21)
57. Separates closed sets (Def. 4.1.22)
61. Superstars
62. Salute
63. North by East
64. Lutu dish
66. Previously, to the poet
67. Soldier in gray
68. Ex. Goldberg device
70. Chopped, as wood
71. Barrier
72. Airplane
74. Lyon to Paris dir.
76. Charged particle
77. Roman exchequer
79. Texts, briefly
82. Also known as
84. Expiring
category of posets
86. Domesticated
91. Select
collection (Sec. 2.1)
93. Inc., to Brits
94. Relax
95. 2001 computer
96. Close
98. Prefix with compact (Thm. 3.4.8)
99. Creche figure
101. Vital acid
102. Can be open (Sec. 6.1), closed (Sec. 7.3.1), or formal (Sec. 7.3)
103. Tofu source
105. Golfer’s goal
106. Alex Guinness
108. Stick
110. Administer a strong purgative to
113. One of the Marina Islands
115. Generates a topology (Def. 4.1.6)
117. Urge
121. Steam bath
122. Direction de Paris a Nancy

DOWN
1. Rope fiber
2. About, in old times
3. Common London weather
4. Greenish-blue, as of duck
5. Certain completion (Ex. 7.3.17)
6. Biblical mount
7. Ugly cave-dwelling being of lore
8. Competently
9. ___ de Janeiro
10. Recedes, as of tide
11. Started
12. ___ of adjunctions are typically written etc (Sec. 5.5.2)
13. Brainiac
14. 2.3.1
15. ___-Mislrove theorem: fundamental property of sober spaces (Thm. 8.3.2)
16. Bows out
17. In the line
18. One of the equations defining exponentials (Sec. 5.5.1)
19. Hair-care aid
20. Portable shelter
21. Possesses
22. Abs
23. Actress Hatcher
24. Night light
25. Flowering shrubs
26. One that preserves opened and saturated compacts by inverse images (Def. 9.4.3)
27. Walkway
28. Swap
29. ___ to the poet
30. Utah native
31. Bums around
32. 21-across, 74-across, 54-down, or 110-down, e.g.
33. Poem
34. Steal
35. Debt acknowledgment
36. Dir, or reorganized Hitchcock title
37. Basic constituent of topology (Def. 4.1.1)
38. Immediately
39. Sun follower
40. Circle part
41. Finally surrendered at Appomattox
42. Trading activity
43. Violated, as a patent
44. Close
45. Pig
46. ___ Gratting, as a noise
47. Inventor of d-spaces (Def. 8.2.33)
48. Where Alexander the great stopped
49. Useful to define dcpo completion (Ex. 5.5.3)
50. Titanic letters
51. Dashboard letters
52. Apt name for a cook?
53. Devoured
54. “Monty Python’s Flying Circus!”
55. Not new
56. “Eurika!”
57. Not bien
58. L-shaped
59. Coastal disaster
60. Marmalade
61. Bra or sis
62. Reubked
63. Speak theatrically
64. Continuous map from the unit interval (Ex. 4.11.10)
65. Author of a selection (Ex. 4.5.15)
66. Coarest topology with a given specialization quasi-ordering (Prop. 4.2.12)
67. Paris to Lyon dir.
68. Auto
69. Your and my
70. Naval initi.
71. Least upper bound (Sec. 2.3.2)
72. Make a mistake
73. Winter transport
74. Animal pouch
75. Prefix with duck? (Sec. 4.5)
76. And so on and so forth
77. Campfire residue
78. Besides
79. Foreshadow
80. Vetch
81. Foremost
82. Bear the expenses of
83. Topological ___ Lemma: main result on subword topology (Thm. 9.7.33)
84. “Waterloo” group
85. Civil rights org., founded by W.E.B Du Bois
86. Old hat
87. Guaranteed small by the axiom of replacement (Sec. 2.1)
88. They are given to new borns
89. Strength
90. Same thing
91. Salad dressing container
92. Sits for a shot
93. Due
94. His match?
95. La, for example (Ex. 3.1.5)
96. Its spectrum is spectral
97. Not quite Cartesian closed (Sec. 6.6.3)
98. Decay
99. Abu Dhabi, Dubai, etc.
100. Long period

© Jean Goubault-Larrecq 2013 (Published via Across Lite)