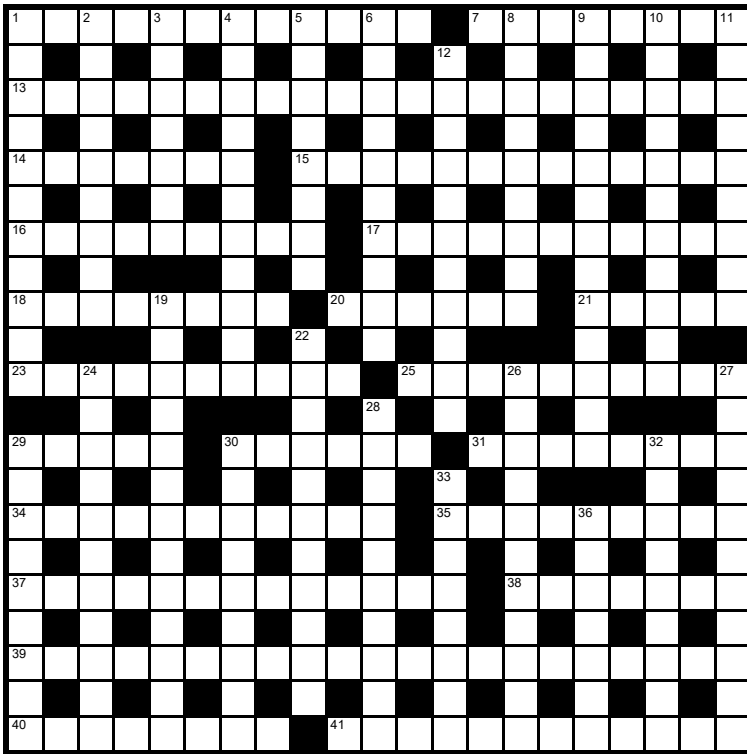


The generalist by Didymus



ACROSS

- 1 Early 13th-century book advising women to try to live the strict religious lives of anchoresses (7,5)
- 7 The family on Wimpole Street in Rudolf Besier's play (8)
- 13 Collection of church songs edited by Henry Williams Baker, first published in 1861 (5,7,3,6)
- 14 Alain ..., French film director of *Hiroshima mon amour* and *Last Year at Marienbad* (7)
- 15 A dark and dingy place for an ATM (4,2,3,4)
- 16 The first leaf that sprouts from a germinating seed (9)
- 17 *Filipendula ulmaria* (11)
- 18 An outfit of matching garments (8)
- 20 The three sisters of Greek mythology, Aglaia, Thalia and Euphrosyne (6)
- 21 Log hut covered with earth, built by the Navajo people (5)
- 23 *Guardian's* blogger about crossword who wrote *Two Girls, One on Each Knee: The Puzzling Playful World of the Crossword* in 2013 (4,6)
- 25 City on the River Neckar; its university is Germany's oldest (10)
- 29 A French dance (5)
- 30 Bricklayer's labourer (6)
- 31 Assailed (8)
- 34 Train accidents at Weedon,

- both in 1915 and 1951, for instance (11)
- 35 The tenth Savoy opera, subtitled *The Witch's Curse* (9)
- 37 Public park between Clonmel Street and Upper Hatch Street in Dublin, one of the city's "hidden gems" (6,7)
- 38 Economic recovery (7)
- 39 Middle English metrical romance which first appeared in Europe c. 1160 in "aristocratic" French (6,3,12)
- 40 Feather-brains (8)
- 41 The 2008 result of deregulation in the financial industry and the banks' hedge-fund trading (6,6)

DOWN

- 1 One of the sacred books of Hinduism, consisting largely of priestly spells and incantations (7,4)
- 2 Protestant insurgents in the Cévennes who resisted the violence of the Dragonnades after 1685 (9)
- 3 Archaically, loses excess weight (of a hawk) (7)
- 4 County town of County Fermanagh (11)
- 5 Shipping forecast area lying between Lundy and Malin (5,3)
- 6 In *The Faerie Queene*, Braggadochio's sword (10)
- 8 Trial performances by applicants for acting jobs (9)
- 9 International student awarded

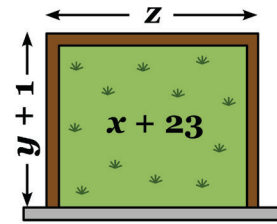
Last month's generalist solutions

Across: 1 Charles Schulz, 8 Cape Cod, 12 Lose the plot, 13 Perpignan, 14 Errhine, 15 Elaeis, 16 Pinole, 18 Ascertained, 19 Scarpetta, 20 In spate, 22 *African Queen*, 25 Marprelate, 28 Hôtels-Dieu, 30 Sprechgesang, 31 Passant, 34 Larceners, 36 Appin Murder, 38 Rosses, 39 Pliant, 40 Albania, 42 Adar Sheni, 43 Grimpen Mire, 44 Aldhelm, 45 Knockmealdown
 Down: 1 Culteranismo, 2 Abstracts, 3 Luthier, 4 Steve Race, 5 Culzean Castle, 6 Uitlanders, 7 Ziphius, 8 Carp, 9 Philippoussis, 10 Condottieri, 11 Dunvegan, 17 Sarnie, 21 Arrière-pensée, 23 Croagh Patrick, 24 Subterranean, 26 Rupert's Land, 27 Lehrer, 29 Caravaggio, 31 Pineapple, 32 Andantino, 33 *Gloriana*, 35 Selkirk, 37 Umbonal, 41 Hern

Enigmas & puzzles

Handel's aria

Barry R Clarke



Court composer George Frideric Handel was becoming anxious. The royal court had commissioned a new opera *Lifetime in Lockdown*, but he was having trouble following their guidelines. It was no easy task when the notes had to be 2 metres apart. So Handel decided to get a grip on himself. To sharpen his focus and socially-distance himself from his household, he built a secluded area in his garden. The retreat consists of a rectangular lawn surrounded on three sides by a fence (brown) and on the fourth side by a wall (grey). The enclosure has area $x + 23$, with dimensions $y + 1$ and z . The values x, y, z are whole numbers greater than one, and their total is equal to the length of the fence (which has negligible thickness). It is also noteworthy that the digital sum of the three numbers x, y, z equals the sum of the digits in their total. (For example, if $x = 27, y = 17, z = 8$ then their digital sum is $2 + 7 + 1 + 7 + 8 = 25$).

What is the area of the enclosure?

Last month's solution

There are 45 possible parallelograms in a main triangle of side length 4. A useful technique for systematic counting would be to divide the parallelograms into their four possible types (1 length x 1 length, $2 \times 1, 3 \times 1, 2 \times 2$) and perform a count for each. These numbers are 18, 18, 6, and 3, respectively. It is possible to find the general formula for such a count. For a main triangle of side length n , the total number of parallelograms of any size is given by $n(n^2 - 1)(n + 2)/8$. In the present case, we have $n = 4$ and $(4 \times 15 \times 6)/8 = 45$.

How to enter

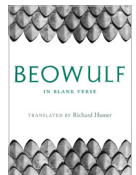
The generalist prize

The winner receives a copy of *The Mathematics of the Gods and the Algorithms of Men* by Paolo Zellini. Have we invented numbers or do they truly exist? In this engaging cultural history, a professor of mathematics at the University of Rome shows how mathematics is a means to describe and understand reality itself.



Enigmas & puzzles prize

The winner receives a copy of *Beowulf in Blank Verse* translated by Richard Hamer. In this new translation of the Anglo-Saxon epic, Hamer takes a fresh approach to its complex metrical form, helping shed a light on its subtleties, while staying true to the original. "Hwaet!" becomes "Hear!"



Rules

Send your solution to answer@prospect-magazine.co.uk or Crossword/Enigmas, *Prospect*, 2 Queen Anne's Gate, SW1H 9AA. Include your email and postal address. Entries must be received by 3rd July. Winners announced in our August/September 2020 issue.

Last month's winners

The generalist: Roslyn Shapland, Ilkeston
 Enigmas & puzzles: Donald Swift-Hook, Woking
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