The generalist by Didymus

The solutions to the 26 clues labelled A to Z are the names of the composers of the pieces. Their names begin with the letter indicated (or in one case, the name finishes with that letter). These solutions must be slotted into the grid, jigsaw-fashion, wherever they will go. The remaining clues are normal.

ACROSS

A Asturias (7)
B Ahrismienne (5)
C Minute Waltz: Waltz in D flat major, opus 69 no. 1 (6)
D Cuppells (7)
E Concert Overture: In the South (Alsazio) (5)
F El Amor Brujo (5)
G Gogescu (8)
H Messiah (6)
I Divertissement (5)
J Thars Bulba (7)
K Háry János (9)
L A Faust Symphony (5)
M Eine Kleine Nachtmusik (6)
N Massaraade (7)
O La belle Hélène (9)
P Lamendations of Jeremiah (10)
Q A Childrens Overture (7)
R Castor et Pollux (6)
S The Crucifixion (7)
T 40-part motet: Spem in Aliam (6)
U (Finally) Symphony no. 6, Bullhaises Symphoniques (7)

DOWN

V Rigoletto (5)
W Tannhäuser (6)
X Moulin ou Jongchais (7)
Y Susatoz for solo violin, op. 37 (5)
Z Sie Seeungfrau (9)

3 Water-crowfoot (5)
5 Capable of a double explanation (9)
6 Edinburgh’s nickname (4,6)
7 Celtic tribe of Norfolk, with Venta as their centre (5)
10 Trade bloc established on May 3rd 1980 (4)
14 Bingo’s 1 (6,3)
15 That is, in Latin (2,3)
19 th-century reform movement which campaigned for working-class rights (8)
22 Paper size, 12 by 15 inches, named after its original watermark (5)
26 Delius’s forename (9)
31 A defile, in geography (3)
34 Public schoolboy’s jacket with matching waistcoat and trousers (5)
35 British curry (5)
37 Grammatical tense indicating habitual action in the past (9)
39 County home of the Brigantes (7)
41 A little extra cash to spend at the pub (4,5)
47 Chinese puzzle of a square cut into seven pieces (2,8)
51 The Duke of York islets within the British Overseas Territory, south west of Cuba, capital George Town (7)
53 A string of verses on one rhyme (6)
55 Small knife used in dissecting and operating (7)

The diameter of the lawn is 26 metres. Let the circle centre be O, after joining OC, OCB is a right angle and the radius OA = OC. Let AB = OC = b, and BC = c. Then \(a^2 = b^2 + c^2\), where \(a = 14\) is a whole number of pieces along BC. Using Pythagoras’ theorem, \(a^2 - b^2 = (7a/9)^2\) implies that \(a = b = (7a/9) = m/2\). If the lawn radius is a whole prime number, then \(a = b = 98\), a must also be whole and so \(a\) can only be an even number. Values for \(a\) and \(b\) are obtained using their sum and difference at various even \(n = \{12\}\). Only for \(n = 12\), \(a = 14\), \(b = 13\), \(c = 84\), is the radius \(b\) a prime number. The diameter is twice the radius.

How to enter

The generalist prize

The winner receives a copy of The Children Act (hardback, Jonathan Cape, £16.99), the latest novel from Ian McEwan, which follows the professional and personal life of Fiona Maye, a High Court judge—read our review on p76. McEwan is the author of The Child in Time, which won the Whitbread Novel of the Year Award, Amsterdam, which won the Booker Prize, and Atonement.

Enigmas & puzzles prize

One winner receives a copy of The Copernicus Compiler by Caleb Scharf (hardback, Allen Lane, £20). Scharf, director of astrophysics at the University of Columbia, argues that the Copernicus theory that has dominated western astronomy for 500 years is in need of updating. He highlights a series of new discoveries that show how some elements of our existence on Earth are genuinely unique. “An ingenious mixture of cosmology, evolutionary biology and philosophy.”—Kirkus Reviews

Rules

Send your solution to answer@prospect-magazine.co.uk or Crossword/Enigmas, Prospect, 25 Sackville Street, London W1S 5AX. Include your email and postal address. All entries must be received by 6th October. Winners will be announced in our November issue.

Last month’s winners

The generalist: David Horwich, Leicester
Enigmas & puzzles: Rob Baston, Surrey
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