## THE GLOBE AND MAIL*

# DIVERSIONS 

Test your mental mettle with this brain-twisting assortment of word, logic and number puzzles by Fraser Simpson, creator of The Globe and Mail's cryptic crossword

## WORD PLAY

## Spiral

You'll need to think in two directions to solve this puzzle. The Inward clues yield a sequence of words to be entered counterclockwise in the spaces from 1 to 100 . The Outward clues yield a different set of words to be entered from 100 to 1 . Fill in the answers, one letter per space, according to the numbers beside the clues. Can you get there and back again?

## INWARD

1-7 Holds in esteem
8-15 Source of "avatar" and "swami"
16-20 Confiscate
21-27 Catch in a trap
28-32 Fiddler on the Roof dairyman
33-37 Ring ominously
38-42 The Fox and the Grapes storyteller
43-50 Done too early or too late
51-54 Active stratovolcano of Sicily
55-59 Grand Roman home
60-63 Greek dish served in a pita
64-67 Polynesian starch source
68-72 Model airplane wood
73-79 Coating for an apple on a stick
80-84 Low singers
85-91 Israeli legislature
92-96 Coen Brothers film with a wood chipper
97-100 Queen of Hearts, e.g.

## OUTWARD

100-96 Rival of Harry at Hogwarts
95-91 Corrupt politician's crime
90-86 German steel hub
85-78 Smooch-worthy
77-71 Musical rattles
70-61 High school science room
60-50 Roamed about in a carefree way
49-45 Gives off, as radiation
44-39 Barge in
38-31 Tool with a hexagonal cross-section
30-24 Former soldier
23-15 Most allergy-prone
14-11 Rubs the wrong way
10-5 Sadat's predecessor
4-1 Perpetually

## Slide show

Slide the 18 letters surrounding the grid into the empty squares so that four words are formed reading across and five words are formed reading down. Letters above and below the grid slide vertically to any position without changing columns, and letters to the left and right slide horizontally to any position without changing rows. Each exterior letter is used only once. Two additional letters are already positioned in the grid. Can you slide all of the others into place?


## Ribbon

The answers to the cryptic clues are all four-letter words, listed in no particular order. Fill the ribbon with the words overlapping by two letters, like ACHY and HYMN in the example. We've supplied the first and last letters of the ribbon. Can you piece the words together?


CLUES:
Nearly get rid of pitching stats ■ Shot slow nocturnal birds - Approach in Byzantine architecture - Like teal with clipped wings, cruising along ■ Heard pop star lounging around ■ Orient seat differently ■ Very good library lateness penalty ■ Pair from Sweden circling around to store

- A cleanse needing water - Suggestive look Highland dance brought back


## Daisy chain

This is a toughie. Add a letter to the first set of letters below and form a common word by anagramming the six given letters plus the one you added. Enter the word in the squares to the right. For each succeeding row, add the last letter of the previous word you wrote to the new set of letters before anagramming. The last letter of your fifth word should be the letter you added to the first word. Only word play experts will complete this daisy chain of anagrams!

| 1 | D | I | O | R | T | Y |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | C | E | H | O | R | W |  |  |  |  |  |  |  |
| 3 | $E$ | $E$ | L | P | P | X |  |  |  |  |  |  |  |
| 4 | C | E | N | O | T | T |  |  |  |  |  |  |  |
| 5 | C | $H$ | I | O | R | S |  |  |  |  |  |  |  |

## Jigsaw

Fit the pieces into the frame to form common, uncapitalized words reading across and down crossword-style.
There's no need to rotate the pieces: they'll fit as shown, with each piece used exactly once.

\section*{| R |
| :--- |
| E | <br> }



NUMBER PLAY

## Hey, ref!

Arguing with the ref to get more points doesn't always work! In this addition problem, each digit has been replaced with the same letter everywhere it appears. None of the three numbers starts with zero. Can you find the unique solution?

$$
\begin{array}{r}
\text { INSIST } \\
+\quad \text { UPON } \\
\hline \text { POINTS }
\end{array}
$$

Fun fact for long-time Globe readers: The above type of puzzle, called an alphametic (from alphabet + arithmetic), was a regularly occurring feature in Fun With Figures by J. A. H. Hunter in the Globe's Report on Business section years ago. Hunter popularized the name "alphametic" for this type of puzzle.

## Hip! Hip! Array!



Place a number in each empty cell of this array so that the numbers in the top and middle cells in each column sum to the number in the bottom cell. Also, in each row, the numbers in the first two cells sum to the number in the third cell; the second and third sum to the fourth; and the third and fourth sum to the fifth. When you've filled the array, convert the shaded numbers to letters ( $1=A, 2=B$, etc.). If you do it correctly, you can rearrange the letters into a common fiveletter food item. What is that item?

## Times square

Each of the eight letters used in this word square represents a different digit 1 through 8 . The numbers outside the grid show the results of multiplying the values of the letters in each row and column. Can you determine the values of the letters and fill the empty grid with their corresponding numbers?

| H | A | S | P | 90 |
| :---: | :---: | :---: | :---: | :---: |
| O | R | C | A | 224 |
| P | E | A | S | 30 |
| E | A | R | S | 40 |



## Match play

The grid contains unburnt matches of different sizes． You may burn any amount of each match，or leave the match unburnt．You ＂burn＂a match by shading segments from the head （rounded end）to the tail， without skipping segments． The numbers outside the grid indicate the number of burnt segments in the corresponding row or column．Can you shade in the burnt segments to ＂match＂the numbers？


## Set free

Place an A，B or C in each empty cell of this grid．No three consecutive cells in a horizontal，vertical，or diagonal line may contain a trio of identical letters （such as B－B－B）or a trio of three different letters（such as $C-A-B)$ ．Can you ensure a set－free grid？

| 9 | 6 | 5 | 4 |  |
| :--- | :--- | :--- | :--- | :--- |
| 5 | 1 | 2 | 4 | $\bigcirc \bigcirc \bigcirc$ |
| 7 | 1 | 5 | 8 | 0 |
| 8 | 3 | 6 | 2 | $\bigcirc$ |

## Spymaster

Deduce a secret number made of four different digits 1 through 9．The chart shows four guesses at the number，and a score for each guess using marbles．Any digit that appears in the secret number in the same position as in the guess is scored with a black marble．Any digit that appears in the secret number in a different position than in the guess is scored with a white marble．Any digit that is not in the secret number does not get a marble． It＇s up to you to determine which digits are indicated by the marbles．Can you figure out the four－digit number？
uo！！


IGZL

| $G$ | $\downarrow$ | $\perp$ | $乙$ |
| :---: | :---: | :---: | :---: |
| $G$ | $\perp$ | $乙$ | $\varepsilon$ |
| $\perp$ | 8 | $\downarrow$ | $L$ |
| $\varepsilon$ | $G$ | $\perp$ | 9 |

әגenbs səu！！


४ヨコVM e s！wət！poof əપI
¡Keגav id！ H id！ H



L9ャ96 t
і孔ә＇Кән


Neןd чग्टW



H つ I y $\perp$ S O
$\perp X \exists \perp \mathrm{NO}$
$X \exists 7 d y \exists d$
y ヨ ロ M O H つ
－I O y 人 H 1


noys әр！！S

ぬヨヘヨ โ－ y $\exists$ SSVN s－0T Sy｜yI TI－tT LSヨIZヨコNS ¢T－をZ Nマタヨコヨム 七て－0દ人ヨ》 N $377 \forall$ Tと－8を JSOdWI $6 \varepsilon$－审 SllWヨ St－6t GコINVAIT7VD OS－09 ＾XOIVYO日も7 T9－0L S甘JVZVW LL－LL Э7ロシSSI＞8L－ऽ8

NヨSSヨ 98－06
上JヲצD T6－S6 Oכ૪צด 96－00T


םタヲ）00T－L6 OD४甘」 96－て6
IヨSSヨN》 T6－48
ISSVG 七8－08 7ヨWもぬヲว 6L－દL ＊S7VG ZL－89
O甘VI L9－79
ОУㅣ ع9－09
$\forall 7$ וֹ $6 \varsigma-ร$
VNIヨ tS－TS OJWIISIW OS－દも dOSヨ でー8を 77ヨN» $\angle \varepsilon$－とを ヨ $\wedge$ ニコ てと－8て ヨy甘NSNヨ LZ－IZ ヨZIヨS 0て－9T Ild＞SNVS St－8 Sヨ४ヨへヨУ L－T वצ甘MNI

ןends

BY FRASER SIMPSON
\#globecrossword

## Instructions

The crossword will print out in 12 pages.

Pages 5-10
Clues

## Pages 11-16

Crossword grid, in sections; you can piece it together using the diagram at right.


## CLUES ACROSS

1-223
1 Car (10)
6 ABBA jukebox musical $(5,3)$
19 Gardener's cart (11)
25 Past the worst part of it $(4,4)$
29 Defends from danger (8)
35 Leak fixer (7)
37 Cancun's peninsula (7)
38 Brazilian dance (5)
41 Catch and Kill author Farrow (5)
42 House agent (7)
43 Cash (5)
44 Bumbling (5)
45 Spray can (7)
46 Thor Heyerdahl raft (3-4)
47 Tenor Domingo (7)
48 Large volume containing reprints
(7)

49 Bother (7)
50 Biofuel choice (7)
51 Sacred Egyptian beetles (7)
52 Blockage (11)
53 Duke, marquis, $\qquad$ , viscount, baron (4)
54 Friendly conversation (4)
55 Domed-shell reptile $(3,6)$
56 Western rider's carryall (9)
57 Beethoven's Third (6)
59 "Now you see what I have to put up with!" $(7,2,2,5)$
63 Perk at a fancy restaurant $(5,7)$
66 Kindly disposed toward $(4,2)$
69 Yellowish veggie pods $(3,5)$
70 Winter equipment for Mont-Tre blant (4)
72 Swinging on a Star singer (6)
73 Forever and ever (6)
76 Infield covering (9)
77 November birthstone (5)
78 Carlsbad $\qquad$ (7)

81 Who killed Cock Robin? (7)
83 Spanish appetizers (5)
84 Beast of burden (5)

85 Move to another country (8)
87 Acquires an app, say (9)
90 Vitality that's two letters longer
than 565-Down (7)
93 Tart pie filling (7)
97 Compulsive mall visitor (10)
102 Montezuma's people (6)
104 Item kissed while leaning bacward $(7,5)$
106 Remittance (7)
107 Add vitamins to (6)
109 Like ordinary speech (10)
111 Monarch's rule (5)
113 Get thinner (6)
114 She Walks in Beauty poet (5)
115 Lumberyard tool (6)
117 Garden of Eden resident (7)
118 Dental string (5)
119 Peer Gynt playwright (5)
120 Purchase (11)
122 Word of greeting (5)
123 No longer edible (6)
124 Supply with water, as farmland (8)
126 Obviously ( $2,4,7,6$ )
134 Dog in Peter Pan (4)
135 Berthe Morisot and Mary Cassatt, for two (14)
140 "Wind-water" in Chinese $(4,4)$
143 Dreams from My Father memoirist
(5)

144 Sunup (4)
145 $\qquad$ -friendly (4)
146 Frying pan (7)
149 Fail to include (4)
150 Japanese dish, or a 1963 song that topped the Billboard Hot 100 (8)
151 The "cruellest month," to 320
Down (5)
153 Natural gas, e.g. $(6,4)$
155 Became miffed $(3,5)$
156 One size for 576-Across (6)
157 Wine stewards (10)
159 Impersonal item "personalized" with mail merge $(4,6)$

162 And so forth $(2,6)$
163 Finnish bathhouses (6)
164 Genus subdivision, in biology (7)
169 Happy, e.g. (5)
171 Charitable aid (6)
172 Iraqi city reclaimed in July 2017 (5)
174 Coming of Age in $\qquad$ (5)

176 Peek into your host's medicine cabinet, say (5)
178 Ingredient in Florentine dishes (7)
179 Hamlet's slayer (7)
180 Use solvents to freshen clothing $(3,5)$
182 Chicago's $\qquad$ Square riot, 1886
(9)

184 Become oxidized (7)
185 Rain storage tank (7)
186 335-Across or 407-Down $(6,4)$
188 Coin worth two bits (7)
190 Injection tool (7)
192 Bisect (5)
193 Robots (8)
195 French Riviera city where Henry Cavendish was born (4)
197 Sultanate on Borneo (6)
198 Military mess-up (5)
200 People who take a lot of interest in their work? (7)
204 Two-wheeler with an engine (5)
206 Tax on imports (6)
207 Prayer closer (4)
210 The $\qquad$ Indian (2012 Thomas
King book) (12)
211 Carryall $(4,3)$
215 Play up (10)
216 Blood sugar (7)
217 $\qquad$ Knot (item sliced by Alexan-
der) (7)
218 It keeps an athlete's sweaty hair
from dripping (8)
219 Quick trip (6)
$221144(6,5)$
223 Frasier or Friends (6)

## CLUES ACROSS

## 227-424

227 Midmorning time that spells an artist when written backward $(3,2)$
230 Tybalt's slayer, in Shakespeare (5)
231 Linked flower garland $(5,5)$
236 Deli order $(6,8)$
244 Garment worn by 245-Across (5)
245 Kitchen assistant (4-4)
247 Star of the silent comedy film The General $(6,6)$
249 Young hooter (5)
250 Regulator of 216-Across (7)
251 Gulliver's Travels author (5)
254 Poem of 17 syllables (5)
255 $\qquad$ Oath (physician's pledge)
(11)
$257^{-}$\_("/)_/- (5)
258 Asian peninsula that includes Laos (9)

259 Only world capital that begins with "I" (9)
263 Hint of colour (5)
265 Tries to be optimistic despite the circumstances $(5,3,4)$
266 Human trunk (5)
267 North African hot chili pepper paste (7)
268 Bran $\qquad$ (6)

269 Secret supply (5)
270 Laurence who starred in Henry V (7)

271 Brunch cocktails (7)
272 Undergo changes (9)
273 People from Abuja or Lagos (9)
274 England's Tottenham $\qquad$ F.C. (7)

275 Guttersnipe (6)
278 Garden of Eden cover-up? $(3,4)$
279 Animal on a 188-Across (7)
281 Come into view (6)
282 Dessert made with ladyfingers (8)
285 Small whirlpool (4)
287 Get impediments out of the way $(5,1,4)$

289 Division leftover (9)
291 Age (4,5)
294 Knife holder (6)
295 Midday meals (7)
298 First name in aviation, or popcorn (7)

300 Perfect spot (6)
302 Say-one-thing-but-do-another behaviour (9)
3041952 Summer Olympics city (8)
306 Government grant (7)
307 Sean Lennon's mom $(4,3)$
308 The Prince and the Pauper author $(4,5)$
310 Mention publicly, often in tribute
(9)

312 Chanted phrase (6)
314 Oreo and Chips Ahoy! maker (7)
316 Opera house where Turandot premiered $(2,5)$
317 Pituitary and pineal (6)
319 Honus Wagner's position (9)
321 Painted a verbal picture of (9)
322 Western spreads (7)
324 Female goats (7)
325 Crime committed by 495-Down (8)
326 "America's Dairyland" (9)
328 I, Robot author (6)
329 Meantime (7)
330 Lockjaw (7)
332 Cornell's home (6)
333 His first veep was John Nance Garner (9)
335 New York 186-Across (9)
337 Pregnancy and childbirth specialty (10)

338 How Great ___ Art (hymn) (4)
339 Top secret (4-4)
342 Chaotic (6)
344 Shredded taco topping (7)
347 Dignified behaviour (7)
349 Leave the Union (6)
351 Rejects abruptly (7)
353 Serving a sentence $(5,4)$

354 Comfy reading spot $(4,5)$
356 Front tooth (7)
358 Banger, to a Brit (7)
360 Used a rifle scope (5)
363 Runway surface (6)
364 Daughter of Agamemnon (7)
366 Object depicted above crossbones (5)

367 "Everything is ready," to NASA
$(3,7,2)$
369 Frisbee manufacturer (4-1)
370 Tenor Luciano (9)
374 Push past the point of fatigue, as muscles (9)
375 Cuban dance (5)
376 Post-Its, e.g. $(6,5)$
377 Opposite of express, trainwise (5)
378 Razzle-dazzle (5)
381 Leading $(2,5)$
382 Giraffe's cousin (5)
383 Mardi Gras follower $(3,9)$
385 Alphabet with 13 letters (8)
387 Throat dangler (5)
388 Has-been celebrity $(10,4)$
396 Communist answer to NATO $(6,4)$
400 Anglo- $\qquad$ (5)

401 Part of a play (5)
404 Soccer game's length, in minutes
(6)

408 Director of Platoon and JFK $(6,5)$
410 Subtle distinction (6)
411 Ignominy that's an anagram of GRID CASE (8)
413 Decline to vote (7)
414 Svelte (7)
415 High-up feature of the Vancouver
Public Library $(4,6)$
417 Raw fish dish (7)
419 Cocktail of vodka and coffee liqueur $(5,7)$
420 Double-reed woodwind (4)
421 Big name in oats (6)
422 Hunt like a cat (5)
424 Confusion (7)

## CLUES ACROSS

## 428-594

428 New Zealand birds (5)
429 Present at birth (6)
430 Improve copy (4)
431 Waiting for Godot character (8)
433 Window alternative, on a plane (5)
435 Less lenient (7)
437 Frosted treat (7)
438 Outdoor accommodation for troops (10)
441 Help (7)
443 Retired professors (7)
444 Instrument played by Bob Dylan and Carlos del Junco (9)
447 Miss Scarlet and Professor Plum (8)
449 Noted cryptocurrency (7)
450 Lady's breed in Lady and the
Tramp (7)
451 Olympic sleds (5)
452 Sahara mounds (5)
454 Van Cliburn's instrument (5)
455 Toyota Prius, e.g. (6)
457 Walk like a peacock (5)
459 George, Jane, Judy and Elroy, with "The" (7)
463 First man elected to the Baseball Hall of Fame $(2,4)$
464 Liquor like Goldschlager, from the German for "mouthful" (8)
466 Media personality Kim $\qquad$ West (10)

467 The Motorcycle Diaries memoirist $(3,7)$
470 Barbaric (6)
471 A Little Late with Lilly Singh, e.g. $(4,4)$
472 Completely (10)
475 Hair-raising (5)
476 Tree-dwelling (8)
477 Hankering (4)
478 Capital of Wales (7)
480 Free ticket (4)
481 Hot dude (4)

482 Ship's freight (5)
483 Fries, potato chips, etc. $(4,4)$
487 Discovery by shepherds in 1947
$(4,3,7)$
493 Shrek, for one (4)
495 Star of La Dolce Vita $(8,11)$
502 Put into a temperature-controlled box to hatch (8)
504 Nucleus component (6)
505 Female fox (5)
506 Turandot aria whose title means
"Let no one sleep" $(6,5)$
507 Courageous (5)
508 Musical group of eight (5)
509 Nonbeliever (7)
510 Fawlty Towers star John (6)
511 Desert wanderer (5)
512 Twisting force (6)
513 Pepys project (5)
515 Oliver Mellors, in Lady Chatterley's Lover (10)
517 "OK $\qquad$ "(dismissive response
from a youngster) (6)
518 Dig up (7)
519 Property next to Electric Company $(6,6)$
520 Country in which Volvo was founded (6)
522 Baton-passing events $(5,5)$
527 Kissed frogs? (7)
531 $\qquad$ Provinces (7)
532 Of the movies (9)
534 St. Peter's or St. John Lateran (8)
537 Bank robbery (5)
538 Gretzky, until 1988 (5)
539 You Give Love a Bad Name band $(3,4)$
542 Tolerate (7)
543 Bakery enticement (5)
544 Once Upon a Time in Hollywood writer/director (9)
546 Pleasant wind (6)
547 Abduct (6)
549 Iliad setting (4)

550 Game show with an exclamation mark in its title (8)
552 "I have found it!" (6)
554 It was carried to Rio in $2016(7,5)$
558 Keyser Söze movie $(3,5,8)$
560 Doesn't use Zoom, perhaps (6)
562 Moshe Safdie or Arthur Erickson (9)

564 Spur-of-the-moment (9)
566 Defrost (4)
567 The two of them (4)
569 Carly Simon song with the line,
"You had one eye on the mirror" $(5,2,4)$
572 Marilyn Monroe film based on an
Inge play $(3,4)$
575 Stretchy, like some waistbands (7)
576 Casual tops (1-6)
578 The Island of Doctor Moreau author $(1,1,5)$
580 Ballet class garment (7)
581 The whole $\qquad$ (7)

582 Pinnacles (7)
583 Walrus features (5)
584 Chicken serving (5)
585 Hairy humanoid of legend (7)
586 Dishwasher cycle (5)
587 Paragon (5)
588 Vicarious feeling (7)
589 Rude remarks that are "hurled" (7)
590 Female sex hormone (8)
591 Volcano in 1883 news (8)
592 They're around 11 on this line (11)
593 Outnumbered group (8)
594 Krypton and xenon, for two $(5,5)$

## CLUES DOWN

## 1-186

1 Like sandpaper (8)
2 Octopus "arms" (9)
3 Japanese graphic novels (5)
4 MVP of the first two Super Bowls $(4,5)$
5 Arcadian Adventures of the Idle Rich humorist (7)
7 $\qquad$ borealis (6)
8 Ape (5)
9 Last word of a Neil Armstrong quote (7)

10 Query while holding a racquet $(6,3,6)$
11 Politician's image-protecting aide $(4,6)$
12 Feeling no pain (4)
13 Social group in which members are sometimes dummies $(6,4)$
14 Workout centres (4)
15 "Be prepared" $(5,5)$
16 Wild guess (4)
17 Music between a play's acts (10)
18 Stay clear of (6)
19 Emulated a banshee (6)
20 Sweat-stopping facial arcs (8)
21 Tardy (4)
22 Athena turned her into a spider (7)
23 The Prisoner of Zenda setting (9)
24 Pungent green sushi condiment (6)
25 Spiral shape (5)
26 Inuit footwear (7)
27 Zealot (7)
28 Germinal author $(5,4)$
30 Canoeist's river challenge (6)
31 Pioneer (11)
32 Go up a tree (5)
33 Larry, Curly and Moe (7)
34 Elevator innovator (4)
36 Like the proverbial beaver (4)
39 Swamp tree (8)
40 Japanese company that made the Zero fighter aircraft (10)
58 Greek island where Prince Philip was born (5)

60 Walking sticks (5)
61 Competitive sort of personality $(4,1)$
62 Not subject to taxes (6)
64 "Iron Lady" of British politics (8)
65 Hitchcock film with Cary Grant and Ingrid Bergman (9)
67 Calvin Klein perfume (9)
68 Heroic tale (4)
71 Captain commissioned to hunt
pirates, but instead became one (4)
74 Coffee bean variety (7)
75 Relaxation time at the slopes (5-3)
78 Friendly conversation (7)
79 Fixing a wrongly entered password, say (8)
80 "My fault!" $(3,5)$
$\mathbf{8 2}$ Portrayer of anchorman Ron Burgundy $(4,7)$
84 Women's shirts (7)
86 Performer's backstage waiting area $(5,4)$
88 Only U.S. president to earn a Ph.D. $(7,6)$
89 Novel featuring Humbert Humbert (6)

90 Star in Ursa Minor (7)
91 Most wacky (7)
92 Short-lived craze $(7,3)$
94 Silent Marx brother (5)
95 Pipe parts (5)
96 Synagogue official (5)
98 Veda devotee (5)
99 Local church member (11)
100 Laverne \& Shirley was a spin-off of it $(5,4)$
101 Hot dog condiment (6)
103 Game of $\qquad$ (7)

105 St. Louis landmark (4)
106 Stimulate, as curiosity (5)
108 Warms up, as leftovers (7)
110 Suffering from mal de mer (6)
112 Tiny particle (4)
116 Dog on a 1950s skirt (6)
121 Element named for the rainbow
(7)

125 Advice lead-in (2,1,4,3)
127 Full range (5)
128 Envelope-pushing (7)
129 About 32\% of our nation's population $(7,6)$
130 Risk adopting, as a plan $(4,1,6,2)$
131 Homeric journey (7)
132 Benchmarks (5)
133 Comic strip with a buzzard named Gaylord (5-5)
136 Accept, as a package $(4,3)$
137 Wearer of rose-coloured glasses (8)
138 Deadlock (7)
139 Hemingway classic (3,3,3,3,3,3)
140 Arctic ice sheet (4)
141 Reply to the Little Red Hen $(3,1)$
142 Addition answers (4)
147 Longitude's counterpart (8)
148 Thumb through, as pages (6)
152 Show up (6)
154 Online game with Battle Royale
and Save the World versions (8)
158 Hillbilly home brew (9)
160 Environment (6)
161 Hastens (6)
165 Bullying $(7,2)$
166 Cabernet opener (9)
167 Self-absorbed sort (9)
168 Brandenburg Concertos composer (4)

170 The Fox and the Grapes author (5)
173 Many passengers on crowded subways (8)
174 Liberace's sparklers (7)
175 Shakespeare's merchant of Venice (7)

176 Basketball ploy also called a "pick"
(6)

177 Ferocious fish with a strong bite (7)
181 Hangouts for hangers (7)
183 Singing and drinking activity (7)
185 Benedict of Sherlock (11)
186 Like the comedy in His Girl Friday
(9)

## CLUES DOWN

## 187-403

187 Butcher's discards (5)
189 Fancy neckwear (5)
191 Wagner's Twilight of the Gods, in German (15)
194 "America's $\qquad$ "(the Smithson-
ian) (5)
196 Corona, e.g. (5)
199 One-eighties (1-5)
201 Kitchen flipper (7)
202 $\qquad$ of Sunnybrook Farm (7)
203 Mountain chain (5)
205 Divine Comedy poet (5)
208 "Congratulations!" $(5,3)$
209 Ballet skirt (4)
212 His mother is killed, in a 1942 Disney film (5)
213 Scrooge's visitors (6)
214 Royal Alberta Museum's locale (8) 220 Re-echo (8)
222 Irises artist $(3,4)$
224 Underwriter (7)
225 Monastery rooms (5)
226 Hot cocoa floater $(9,11)$
227 Frozen plain (6)
228 Like the subject of 569-Across (12)
229 Orange-yellow flower (8)
232 Balearic island known for its club scene (5)
23311-Down's characterization of teenage shoplifting? $(8,12)$
234 Lightest element (8)
235 New Apple product of 2007 (6)
237 Smiley in a text, e.g. (5)
238 She once traded in Ken for an Australian named Blaine (6)
239 "Of course!" (9)
240 Travel with (9)
241 Leaving a cruise (12)
242 Actor Elba from The Wire (5)
243 Many a teen, in educational terms $(4,6,7)$
246 Loses its colour (5)

248 Veggie that's an anagram of HARK BOIL (8)
252 Thin biscuit (5)
253 James Joyce novel whose first word is "riverrun" $(9,4)$
256 "The Napoleon of Crime," per Sherlock Homes $(9,8)$
260 Coveted space on an airplane (7)
261 Nintendo game character originally called Jumpman (5)
262 Clean-shaven (9)
264 Spelled out completely (8)
275 Feeling no pity (13)
276 Newer name for India's city of Madras (7)
277 Bury (5)
280 Model airplane wood (5)
283 Concepts, one letter different than 587-Across (5)
284 Dishonourable (7)
286 Proves wrong (7)
288 Do away with (7)
290 Desert illusions (7)
292 Autumn yard chore (6)
293 Star Trek weapon (6)
296 Put-down used by the McKenzie brothers (5)
297 Seismology development of 1935 $(7,5)$
299 Drop in on (5)
301 Flapjack (7)
303 Peter and the Wolf composer (9)
305 Pull-apart mozzarella sticks $(6,6)$
309 Llama's habitat (5)
311 William Tell's weapon (8)
313 Ann Landers, e.g. $(6,9)$
315 Please, in Germany (5)
318 Espresso with steamed milk (5)
320 The Waste Land poet $(1,1,5)$
323 Caught off guard (9)
324 The mother of invention, proverbially (9)
327 Robin Hood's forest (8)
331 Fosters (8)

334 Avid (5)
336 Casino city $(3,5)$
340 Was super busy (3,1,3,2,4,5)
341 Intermittently $(3,3,2)$
343 Approximately, in dates (5)
345 Motown (7)
346 Like some ships or treasure (6)
348 Aircraft designer Clyde (6)
349 Jumps out of a 348 -Across (8)
350 Pirate's sword (7)
352 Raconteur (11)
353 Third dimension (5)
355 Get even for (6)
357 The Plague author (5)
359 Nixon's first veep (5)
361 Coffee + chocolate (5)
362 Scent of a Woman star $(2,6)$
365 Like a pixie (5)
368 Hotel room freebie having a needle $(6,3)$
371 Dental filling compound (7)
372 Paper-folding art (7)
373 Past, present and future (6)
379 Toyota's luxury division (5)
380 "Turn on, $\qquad$ , drop out" (Timo-
thy Leary phrase) $(4,2)$
384 Provide with gear (5)
386 "Farewell, Sylvie!" (5)
389 St. $\qquad$ (1980s TV drama) (9)
390 Sends (9)
391 Particular performance (9)
392 Green spirit in a Degas painting (8)
393 Cardigan, e.g. (7)
394 Finishes (4)
395 Destroy, as sensitive documents (5)
396 Cash movements $(4,9)$
397 Chrystia Freeland or Bob Rae, educationally $(6,7)$
398 Feeling of dread (5)
399 Overland part of a canoe trip (7)
402 Mustard's rank (7)
403 Largest Central American country by area (9)

## CLUES DOWN

## 405-579

405 Bland (7)
406 My Fair Lady role (5)
407 New York 186-Across (7)
409 Ceasefire (5)
412 Mason's blocks (6)
416 Spanish fortress (8)
418 Directory $\qquad$ $(4-1-1)(10)$
423 Smell (5)
424 Host of 550-Across (6)
425 Art museum specialist (8)
426 Vulnerably situated $(3,2,1,4)$
427 Product rollout (6)
432 Non-alcoholic blender drink (8)
434 Midterm or final (4)
435 Barely noticeable (6)
436 Intellectual movement of the 17 th century (13)
439 Rival magazine to Mad (7)
440 Nonconformists' spiky hairstyles
(7)

442 Kidney-shaped nut (6)
445 Star of Superbad and Scott Pilgrim vs. the World $(7,4)$
446 Flowering $(2,5)$
448 Language that gave us "safari" and "hakuna matata" (7)
453 Arizona natives (7)
456 Experience-based guideline $(4,2,5)$
458 Paint-thinning solvent (10)
459 $\qquad$ chicken (Jamaican dish) (4)
460 The Andrews Sisters, e.g. (4)
461 Newspaper page with views (2-2)
462 Aleppo's land (5)
463 Betrayal (9)
465 Popular southern pie (5)

468 Salad green (6)
469 NASA or NASDAQ (7)
470 No-goodnik (9)
473 Extremely enthusiastic (oink!)
$(3,4)$
474 U.S. passenger rail system (6)
478 Party bowlful $(4,3)$
479 Exhaustion (7)
482 Jester caps adorned with a strip of red (8)
484 Mal de mer symptom (6)
485 Fellini of film (8)
486 Stedman's partner and Gayle's pal (5)

487 It includes the gastrointestinal tract $(9,6)$
488 What opposites do (7)
489 Reporter's punctuation and spelling guide $(5,4)$
490 Cute as a button (8)
491 Chartres attraction (9)
492 Pb (4)
494 Watch Netflix content, perhaps (6)
495 Play with Banquo and Fleance (7)
496 "An $\qquad$ of prevention..." (5)
497 Arsenal supply (4)
498 Elizabeth I's house (5)
499 More than occasionally (5)
500 See eye to eye (5)
501 Be a hot-dogger (8)
503 Blatant deception (7)
514 Pasternak doctor $(4,7)$
516 Brit's raincoat (10)
518 Gastric woes (6)
521 Nymph who lost all but her voice
(4)

523 Snowslides (10)

524 Magnus Carlsen's castles (5)
525 Elementary school keepsake $(5,5)$
526 Gymnopedies composer Erik (5)
527 Blackbeard's vessel $(6,4)$
528 Roadside stopovers (4)
529 Point and $\qquad$ (mouse action) (5)
530 Bootblack's stuff $(4,6)$
533 Like Pulp Fiction's narrative (9)
535 Hamilton, Ont. newspaper (9)
536 "Sweet" school fundraiser $(4,4)$
540 Tension-filled contest (4-5)
541 Pollen, smoke, pet dander, etc. (9)
542 Plot summary (8)
545 Speedy dogs (8)
546 Text read with feeling? (7)
548 Coach's motivational speech $(3,4)$
549 Reflection (7)
551 Nobel-winning prime minister (7)
553 Family gathering (7)
555 Rain-bringing seasonal wind (7)
556 Don't mind your own business (6)
557 Root vegetable that isn't "carrot" or "radish" (6)
558 Grad student's paper (6)
559 Avoid a trial (6)
561 Hand-to-hand $\qquad$
563 Political influence (5)
565 Delivery with toppings (5)
568 Consequently (4)
570 Early anesthetic (5)
571 Best Picture of 2012 (4)
573 Parsley portion (5)
574 Salt Lake City's state (4)
576 Carton-sealing stuff (4)
577 Sunbeams (4)
579 Four balls (4)




|  |  |  |  |  |  |  |  | 312 |  |  |  |  | 313 |  |  |  |  |  |  |  | 314 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 319 |  |  |  |  |  | 320 |  |  |  |  |  |  | 321 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 328 |  |  |  |  |  |  |  |  |  |  |  |  | 329 |  |
| 333 |  |  |  | 334 |  |  |  |  |  |  |  |  | 335 |  | 336 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 342 |  | 343 |  |  |  |  |  |  |  |  |  |  | 344 |  |
| 353 |  |  |  |  |  |  |  |  |  |  |  |  | 354 |  |  |  |  |  | 355 |  |  |  |
|  |  |  |  |  |  |  |  | 363 |  |  |  |  |  |  |  |  |  |  |  |  | 364 |  |
| 370 |  |  | 371 |  | 372 |  | 373 |  |  |  |  |  | 374 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 378 |  | 379 |  | 380 |  |  |  |  |  |  |  |  |  | 381 |  |
| 385 | 386 |  |  |  |  |  |  |  |  |  | 387 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 400 |  |  |  |  |  |  |  | 401 | 402 |  | 403 |  |  | 404 | 405 |
| 411 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 412 |  |  |
|  |  |  |  |  |  |  | 417 | 418 |  |  |  |  |  |  | 419 |  |  |  |  |  |  |  |
| 424 |  | 425 |  | 426 |  | 427 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 433 |  |  |  | 434 |  | 435 |  | 436 |  |  |  |  |  | 437 |  |  |
| 449 |  |  |  |  |  |  |  | 450 |  |  |  |  |  |  |  | 451 |  |  |  |  |  | 452 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 466 |  |  |  |  |  |  |  |  |  |  | 467 |  |  |  |  | 468 |  |  |  | 469 |  | 470 |
|  |  |  |  |  |  |  |  |  |  | 474 |  |  |  |  |  |  |  |  |  |  |  |  |
| 478 |  |  |  |  |  | 479 |  | 480 |  |  |  |  | 481 |  |  |  |  | 482 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  | 494 |  |  |  |  |  |  |  |  |  |  |
| 502 |  | 503 |  |  |  |  |  |  | 504 |  |  |  |  |  |  | 505 |  |  |  |  |  | 506 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 513 |  |  |  | 514 |  | 515 |  | 516 |  |  |  |  |  |  |  |  | 517 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 521 |  |  |  |  |  |  |
| 531 |  |  |  |  |  |  |  | 532 |  | 533 |  |  |  |  |  |  |  | 534 |  | 535 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 546 |  |  |  |  |  |  | 547 |  |  |  |  | 548 |  | 549 |  |  |  |  | 550 |  |  | 551 |
|  |  |  |  |  |  | 556 |  |  |  |  |  |  |  |  |  |  | - | 557 |  |  |  |  |
| 562 |  | 563 |  |  |  |  |  |  |  | 564 |  |  |  |  |  | 565 |  |  |  | 566 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 580 |  |  |  |  |  |  |  | 581 |  |  |  |  |  |  |  | 582 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 590 |  |  |  |  |  |  |  |  | 591 |  |  |  |  |  |  |  |  | 592 |  |  |  |  |




