

Across

- 1: $10^2 - 6$
- 3: average of 77 and 71
- 4: $21 \times 24 + 7$
- 6: $1 + (8 \times 10)$
- 7: $23^2 - 20$
- 10: average of 6146, 6320, 6661 and 5721
- 12: $28 + 39$
- 13: average of 7755 and 7735
- 15: $8 + 38$
- 16: $89 - 6^2$

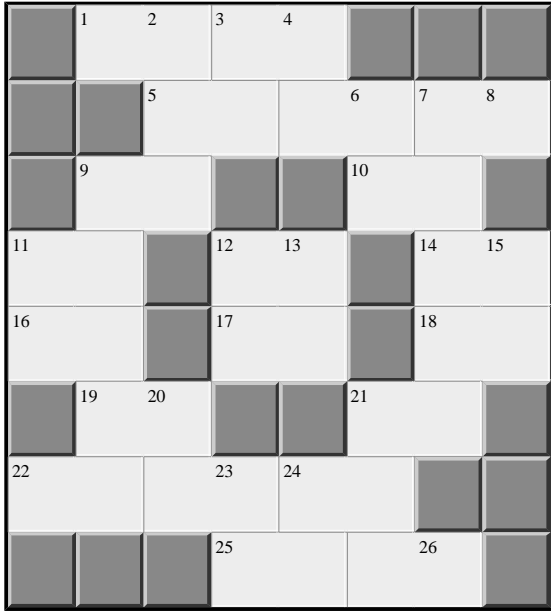
Down

- 1: 1005, 995, 985, _____
- 2: 630 weeks in days
- 4: 4.875 days in hours
- 5: 3592 - 2027
- 6: $656 \div 8$
- 8: the square root of 49
- 9: $1 \times 8 + 1$
- 10: $3 + 3$
- 11: $4345 - 40^2$
- 14: the next prime after 461

In 1965, at the age of thirty, he was the first human being to walk in space. Ten years later, he commanded the Soviet side of the first joint American-Soviet space flight to test the rescuing of one nation's astronauts by the other's ships. He retired in 1991 and currently heads an investment corporation in Moscow.

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63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93
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Take the numbers from the puzzle in order (left to right, top to bottom) and translate the pairs in to letters via this table to find the mystery person's name.



Across

- 1: $5754 - 43^2$
- 5: 30995.75 days in hours
- 9: $1023 \div 11$
- 10: $36 + 8$
- 11: 60 minutes in hours
- 12: 73, 65, 57, _____
- 14: $143 - 109$
- 16: $5^2 - 4$
- 17: $5 + 45$
- 18: 1.55 hours in minutes
- 19: 6, 7, 8, _____
- 21: $141 - 96$
- 22: $105233 - 27113$
- 25: average of 3242 and 3228

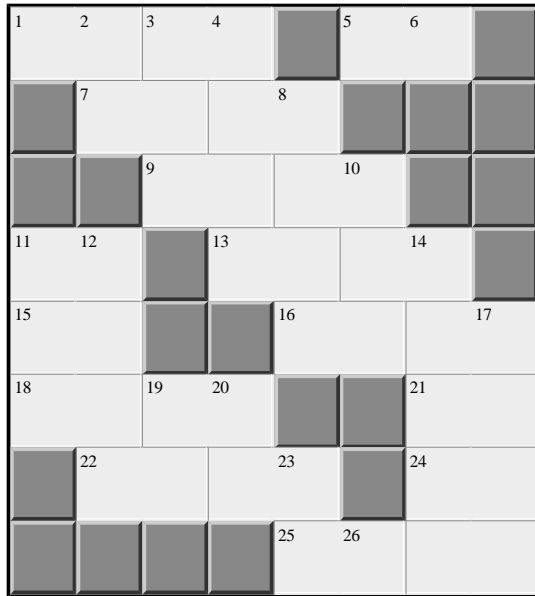
Down

- 1: $1 + (1 \times 2)$
- 2: 895, 921, 947, _____
- 3: 1, 2, 3, _____
- 4: the last prime before 59
- 6: 2268, 756, 252, _____
- 7: $145210 - 50815$
- 8: 480 minutes in hours
- 9: average of 91120 and 91094
- 11: 250, 50, 10, _____
- 12: average of 39, 50, 47 and 44
- 13: 48, 62, 76, _____
- 15: $59 - 4^2$
- 20: 92, 94, 96, _____
- 21: $125 + 140 + 138$
- 22: $9 - 9$
- 23: $2 \times 6 + 1$
- 24: $2 + (4 \times 5)$
- 26: 8, 7, 6, _____

Born in Norway just before the beginning of the 20th century, he trained as a lawyer, but his real calling seemed to be as an outdoorsman. In 1926, he became a trapper in Canada's Northwest Territories. In the 1930's after a territorial dispute with Denmark, he became the governor of a series of remote Arctic Islands. In 1961 him and his wife were the first to prove Vikings came to Newfoundland 500 years before Christopher Columbus and John Cabot.

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Across

- 1: $4716 - 22^2$
- 5: $111 - 29$
- 7: $1123 - 15^2$
- 9: 1953, 1905, 1857, _____
- 11: average of 71, 77, 86 and 70
- 13: $773 - 242$
- 15: $69412 \div 69412$
- 16: $4355 + 3321$
- 18: $81 \times 83 + 8$
- 21: the next prime after 43
- 22: 78 minutes in seconds
- 24: 2.125 days in hours
- 25: $1511 + 2138$

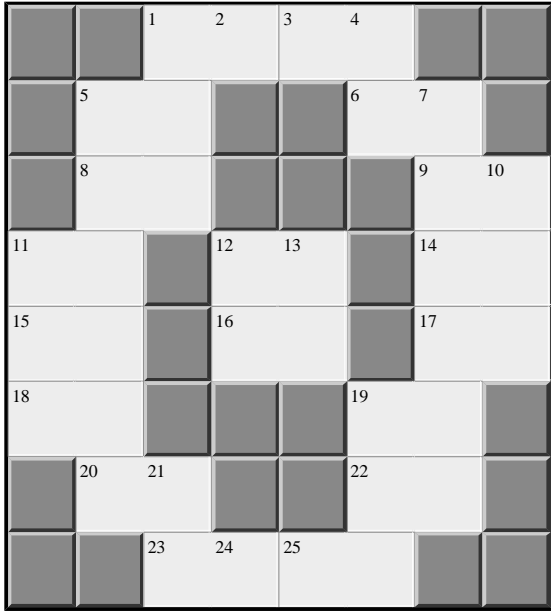
Down

- 1: $1 + (1 \times 3)$
- 2: average of 22 and 18
- 3: $20^2 - 19$
- 4: 2968, 2972, 2976, _____
- 5: 1, 2, 4, _____
- 6: the square root of 4
- 8: $47 + (89 \times 90)$
- 10: 117, 234, 468, _____
- 11: $6 + (25 \times 28)$
- 12: 6132, 6146, 6160, _____
- 14: 290.9 hours in minutes
- 17: 6806, 6777, 6748, _____
- 19: 45, 42, 39, _____
- 20: 1080 seconds in minutes
- 23: $25134 \div 8378$
- 26: 162, 54, 18, _____

The great-granddaughter of legendary American frontiersman Daniel Boone, born in 1890. She spent much of her time between Mexico and the United States. For many years, she spoke out against totalitarianism, and against the excess of Senator Joseph McCarthy. She won the Pulitzer Prize in 1966 but wrote only one novel, Ship of Fools, which was published in 1962.

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Take the numbers from the puzzle in order (left to right, top to bottom) and translate the pairs in to letters via this table to find the mystery person's name.



Across

- 1: $79 \times 80 + 31$
- 5: 10 weeks in days
- 6: the cube root of 1
- 8: $9 + 15 + 21$
- 9: 4, 8, 16, _____
- 11: 28, 25, 22, _____
- 12: $56 - 4^2$
- 14: the square root of 441
- 15: 1350, 450, 150, _____
- 16: $1643 \div 53$
- 17: the last prime before 79
- 18: $4 + 67$
- 19: 71, 74, 77, _____
- 20: $19107 \div 6369$
- 22: $19 + 37 + 14$
- 23: 715, 670, 625, _____

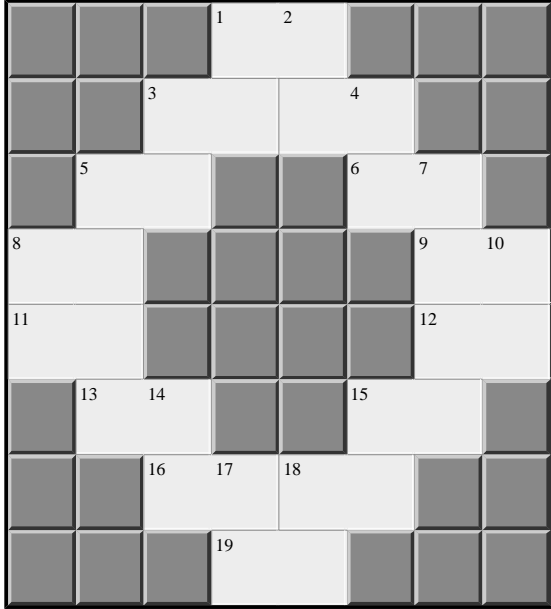
Down

- 1: 554, 571, 588, _____
- 2: 0, 1, 2, _____
- 3: 8, 7, 6, _____
- 4: $9 + 1$
- 5: $3406 + 745604$
- 7: $118442 + 14258$
- 10: $153 + 32 + 28$
- 11: 190, 179, 168, _____
- 12: the next prime after 41
- 13: 3600 seconds in hours
- 19: average of 964, 699 and 947
- 21: 45, 40, 35, _____
- 24: 320, 80, 20, _____
- 25: $45 - 37$

A 17th century German Jesuit scholar, he was a sort of scientific superstar of the day, studying fields as varied as Egyptology, sinology and geology. In medicine, he used a microscope -- a revolutionary idea at the time -- to discover micro-organisms in the blood of plague victims. Even though he probably observed red or white blood cells, his ideas to prevent the spread of disease, isolation, quarantine and facemasks, were effective.

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Across

- 1: $1 \times 9 + 1$
- 3: $3429 + 1216$
- 5: 24 hours in days
- 6: average of 53, 46, 48 and 57
- 8: average of 66 and 74
- 9: $6 + (8 \times 11)$
- 11: average of 80, 69, 83 and 72
- 12: 44, 50, 56, _____
- 13: $680 \div 8$
- 15: 15, 13, 11, _____
- 16: $3847 - 2581$
- 19: $6^2 - 5$

Down

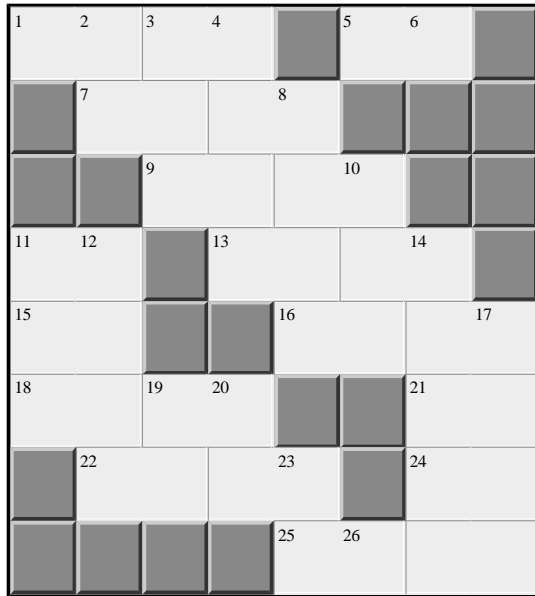
- 1: average of 14, 14 and 20
- 2: $33 - 29$
- 3: average of 45 and 37
- 4: average of 53, 55, 58 and 54
- 5: 98, 88, 78, _____
- 7: $1168 + 801$
- 8: $7 + (7 \times 10)$
- 10: 2688, 672, 168, _____
- 14: $131 - 80$
- 15: $9624 \div 1604$
- 17: $3 \times 7 + 2$
- 18: $1 + (6 \times 10)$

London, England of the beginning of the 18th century saw a dramatic increase in street crime. Riding this wave, this man became not only the centre of a vast criminal underworld but also the first media darling. In order to get around London's strict laws of selling stolen goods, thieves needed to sell to him, and he would then return the items for a reward. Members of rival gangs and anyone who didn't play along were turned in for the theft of goods that had actually been committed by his agents. He made a lot of enemies, and was finally hung in 1725



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Take the numbers from the puzzle in order (left to right, top to bottom) and translate the pairs in to letters via this table to find the mystery person's name.



Across

- 1: $19 + (28 \times 31)$
- 5: average of 75 and 81
- 7: $55 \times 58 + 61$
- 9: average of 3337, 4709 and 3957
- 11: $61 - 30$
- 13: average of 4629 and 4645
- 15: average of 57 and 67
- 16: 263 days in hours
- 18: $322 + 9564$
- 21: average of 58, 54 and 77
- 22: $10 + (87 \times 88)$
- 24: 3136, 784, 196, _____
- 25: 7104, 7103, 7102, _____

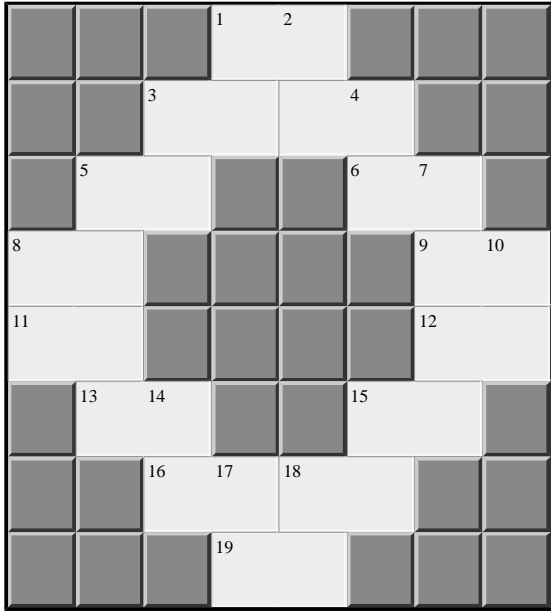
Down

- 1: the cube root of 0
- 2: $2 + 81$
- 3: $942 - 118$
- 4: $710 + 6794$
- 5: $14210 \div 2030$
- 6: 5, 6, 7, _____
- 8: $33^2 - 23$
- 10: $3 + (10 \times 13)$
- 11: average of 418, 389, 413 and 256
- 12: $34 \times 38 - 5$
- 14: 1194 hours in minutes
- 17: $41 + (47 \times 50)$
- 19: 101, 96, 91, _____
- 20: $222 - 156$
- 23: 97, 87, 77, _____
- 26: 1^2

Living around the dawn of the 5th century, she lived during a power struggle between paganism and Christianity; as a pagan, she was eventually murdered by extremist religious forces. She is credited with the invention of the astrolabe, a navigational instrument and the hydrometer, a device to measure the density of a fluid.

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Across

- 1: average of 89, 76 and 90
- 3: 1022, 988, 954, _____
- 5: $4 + (6 \times 7)$
- 6: $370 \div 5$
- 8: 1460 days in years
- 9: 1.55 hours in minutes
- 11: $18 + 60$
- 12: $49 - 3^2$
- 13: $2 \times 5 + 2$
- 15: $22 - 17$
- 16: $31 + (80 \times 81)$
- 19: the last prime before 73

Down

- 1: 140, 123, 106, _____
- 2: average of 56, 50, 59 and 43
- 3: $24 - 18$
- 4: $5 + 2$
- 5: $65 \times 68 + 61$
- 7: $4977 - 32$
- 8: $11 - 2^2$
- 10: average of 33 and 27
- 14: 1664, 416, 104, _____
- 15: the square root of 1
- 17: $8^2 - 7$
- 18: $1 + (2 \times 5)$

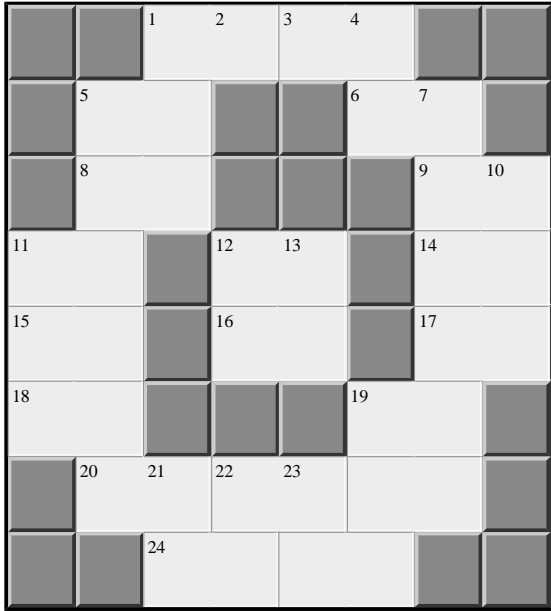
Born in 1901, by 1918 he was disarming demoralized German soldiers as they retreated through his native Poland, and he commanded a scout unit during the 1919-1921 Polish-Soviet War, finishing high school a little while later. In World War 2, he volunteered to be sent to Auschwitz to try to organize resistance from the inside. When it was obvious the Allies were not going to overrun the camp, he escaped to try to convince them in person and stayed to play a role in the Warsaw Uprising. After the war, he worked against the Soviet occupation of Poland and was arrested and executed for it.



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Across

Down

- 1: average of 4274 and 4268
- 2: the cube root of 8
- 3: 1, 3, 5, _____
- 4: 42 - 26
- 5: the square root of 2025
- 5: $682^2 - 123$
- 6: average of 62, 74 and 71
- 7: 2287452 - 1370035
- 8: 68, 66, 64, _____
- 8: 42 - 26
- 9: average of 14, 14 and 8
- 10: 782 - 565
- 11: 1 + 14
- 11: average of 170, 146, 176 and 136
- 12: 6 + 10 + 5
- 12: 182 days in weeks
- 13: 7750 ÷ 775
- 14: 7 x 9 + 8
- 19: 26 x 29 - 6
- 15: 31 + 7 + 12
- 21: average of 24 and 30
- 16: $8^2 - 4$
- 22: 2 days in hours
- 17: average of 42 and 52
- 23: the square root of 81
- 18: 36 + 22 + 12
- 19: 5 + (6 x 11)
- 20: 177408 - 231²
- 24: 132 + 7766

Born in 1773, he travelled extensively during the turbulent year of the French Revolution and the regime of Napoleon Bonaparte, Stopping for 4 years in Philadelphia. He returned to France in 1830, without as much pomp as one might expect -- he was a fairly important man, in fact his daughter became the first Queen of Belgium in 1832.

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Answers

94
74
0511
81 0509
6212 67
7745
46
53

Aleksei Leonov

3905
743898
93 44
01 49 34
21 50 93
09 45
078120
3235

Helge Marcus Ingstad

4232 82
0898
1809
76 0531
01 7676
6731 47
4680 51
3649

Katherine Anne Porter

6351
70 01
45 32
19 40 21
50 31 73
71 80
03 70
0580

Athanasius Kircher

10
4645
01 51
70 94
76 62
85 09
1266
31

Jonathan Wild

0887 78
3251
4001
31 4637
62 6312
9886 63
7666 49
7101

Hypatia of Alexandria

85
0920
46 74
04 93
78 40
12 05
6511
71

Witold Pilecki

4271
45 69
62 12
15 21 71
50 60 47
70 71
124047
7898

King Louis-Philippe