

THE PUZZLER

BY EMILY COX AND HENRY RATHVON

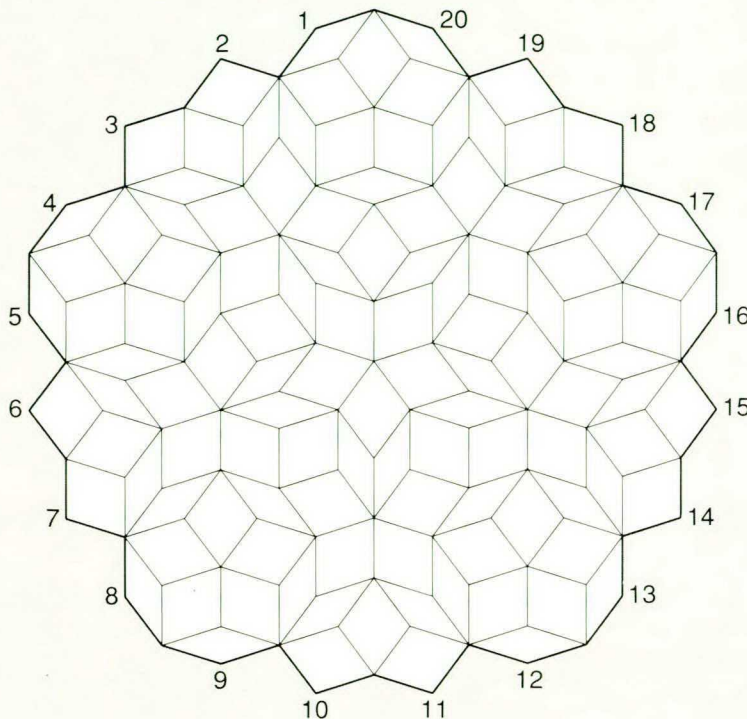
QUASICRYSTAL

(with thanks to Stephen A. Langer)

This puzzle diagram is based on the fivefold symmetric patterns known in mathematics as Penrose tilings. Answers to clues should be entered starting at the first number preceding the clue(s) and ending at the second number.

While the paths through the diagram may seem to meander, each word proceeds in a regular way, always leaving a tile through the edge *opposite* to the edge through which it entered.

When a path is occupied by two consecutive words, those words belong in their clued order. The path beginning at 5 and ending at 16 contains an unclued word that might be used to describe the form. Answers include eight proper nouns.



The solution to last month's Puzzler appears on page 84.

CLUES

- | | | |
|--|---|---|
| 1-12. Vessel's split by large swells (6)
Whale with streaked exterior
churned the water (8) | 5-20. Question a sailor's place in the
Persian Gulf (5)
Again, place in race (5) | 9-20. Footwear containing key pro-
vides grist for rumor mills (8)
Annual place to exercise in
ancient times (6) |
| 1-16. Indonesian island's one research
center affected by recession (4)
Harry, since cruise (6) | 6-11. Basketball superstar's slump (4)
Serbia collapsing in madness (6) | 10-15. With audition, no call from
<i>Equus</i> (5)
Developed slide isn't working
(5) |
| 2-15. Woman who's kept losing
Michigan accent (6)
Facilities housing fifty props (6) | 6-19. Say, like a worm in a ballfield
(7)
Football formation covered in
exams for sports figures? (5) | 11-18. Family member hosts
Republican gentlemen (4)
New lens case takes impurities
off (8) |
| 3-10. Bush league effort back in
Maine (6)
Anglo-Saxon scholar has
aluminum and copper within
(6) | 7-2. Shoot one under bone from
behind cube (6)
Votes for one agreement (4) | 12-17. Take too much in payment
from the government for
random drawing (6)
Confederate picks up iodine
container (4) |
| 3-18. Holding ceremony, distribute
rings with exotic rocks (10) | 7-14. First of batters went ahead and
ran (4)
Minstrel's verse about one
ruling in a secular way (8) | 19-14. For hearing, apprehend
witnesses (4)
Collector of oddities ready to
eat sandwiches left in front of
yard (6) |
| 4-9. Middle Easterner's second
German car (5)
In suite, moved cases (5) | 8-13. Sound of bug's contraction (3)
Egg stuffed into good French
mushroom (7) | |
| 4-13. Famous Yankee manager
returned stockings? (7) | 8-17. Rotate front piece of the
samovar (4) | |

NOTE: The instructions above are for this month's puzzle only. It is assumed that you know how to decipher clues. For a complete introduction to clue-solving, send an addressed, stamped envelope to The Atlantic Puzzler, 745 Boylston Street, Boston, Mass. 02116.