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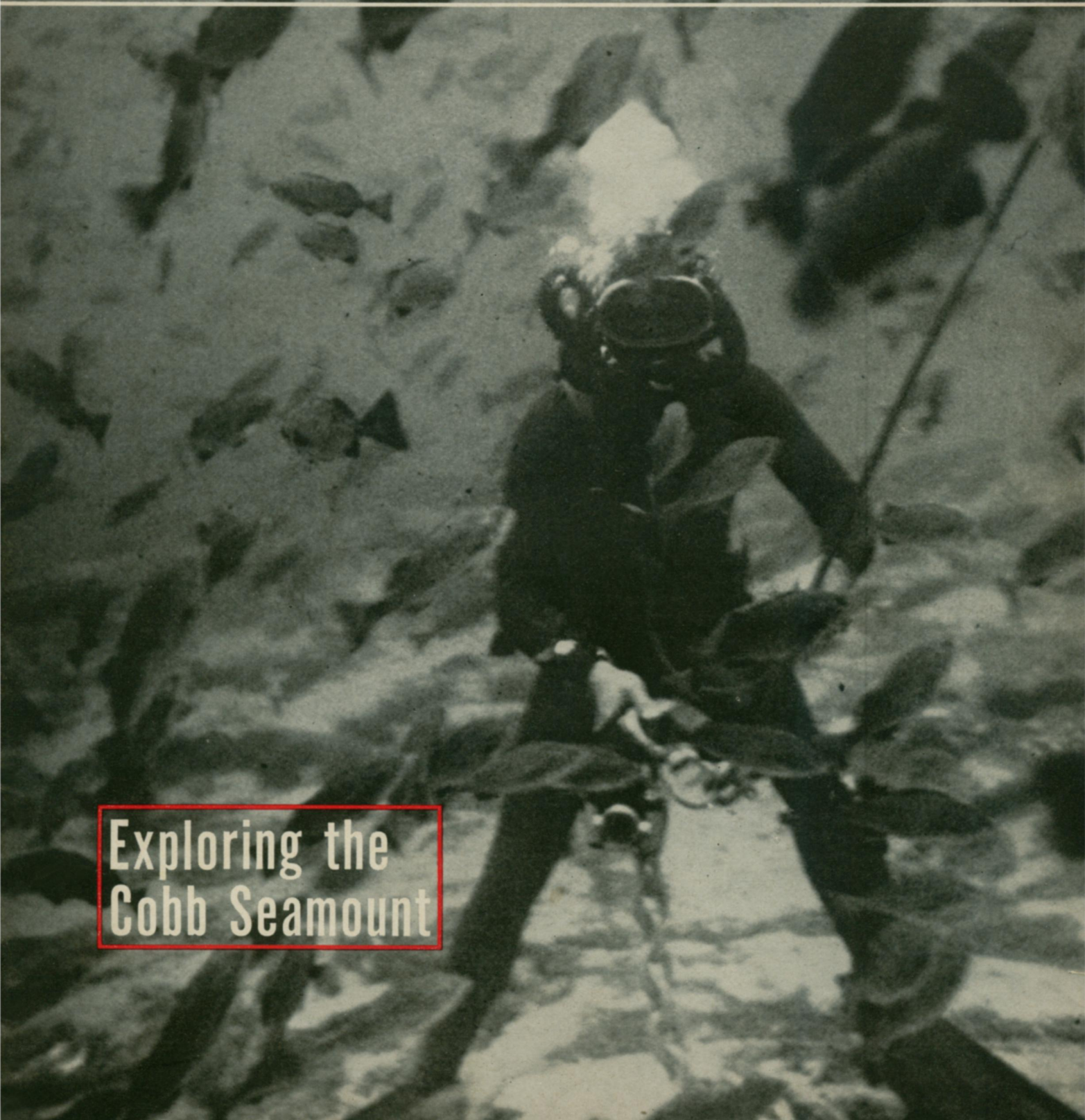


SEPTEMBER 21 1966/VOLUME 94/No. 12 P. 275-302

SCIENCE NEWS

letter from Sydney:
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Exploring the
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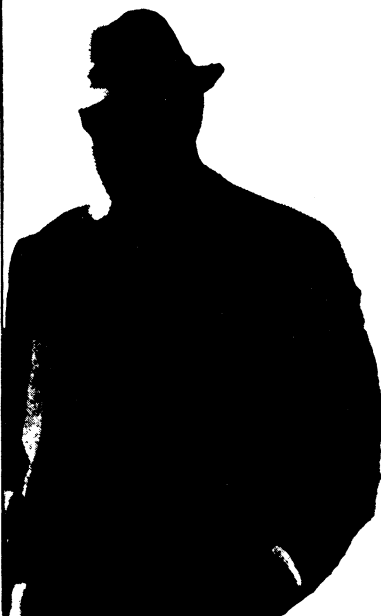
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Standing atop a mountain, yet beneath the ocean, a diver explores the Cobb Seamount, a unique natural laboratory some 270 miles from the nearest shoreline. p. 293 (Photo: Battelle-Northwest)

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A Science Service Publication
Vol. 94/September 21, 1968/No. 12
Science News Letter®

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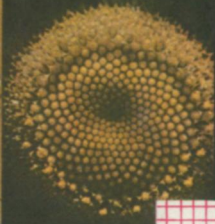
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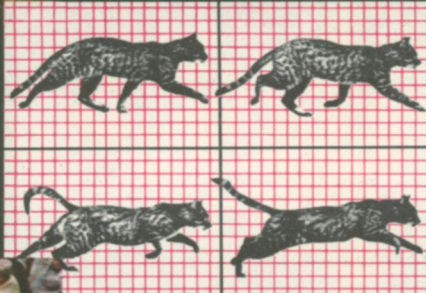


**FROM THE MYSTERIOUS
GEOMETRY OF NATURE . . .**

The double spiraling of the daisy head bears a curious relationship with a mathematical sequence known as the Fibonacci series. It is produced by starting with 1 and adding the last two numbers to arrive at the next: 1, 1, 2, 3, 5, 8, 13, 21, 34, etc. The daisy head has 21 clockwise spirals; 34 counter-clockwise!

**. . . TO THE CALCULUS
IN A STARTLED CAT . . .**

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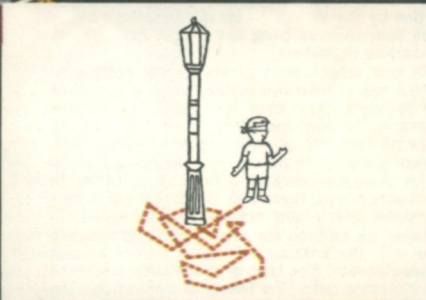


**. . . TO THE AMAZING COINCIDENCE
OF BIRTHDAYS . . .**

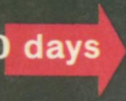
Out of any 30 people in a crowd, the odds are better than two to one that at least two of them have birthdays on the same date. Above 50 people, the chance approaches certainty. Try it on 50 friends!

**. . . TO THE "RANDOM WALK"
PRINCIPLE OF MODERN PHYSICS**

If a blindfolded boy walks away from a lamppost, changing direction now and then according to whim, the "law of disorder" predicts that he will keep returning to the lamppost. Young Einstein used this principle to describe the movement of tiny particles suspended in a liquid.



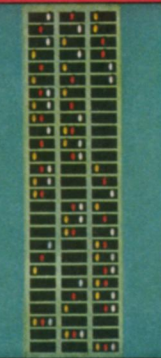
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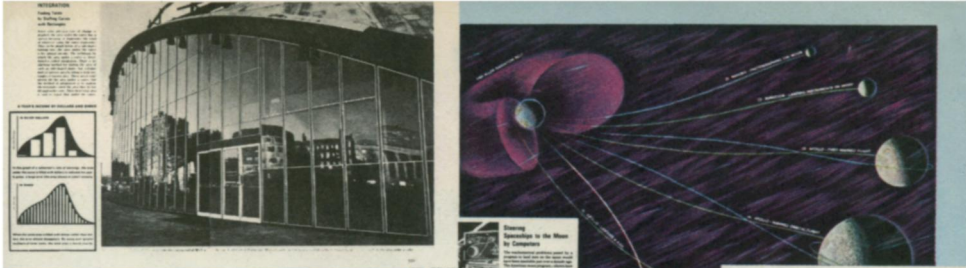
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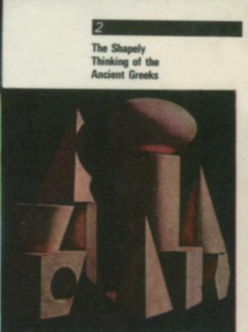
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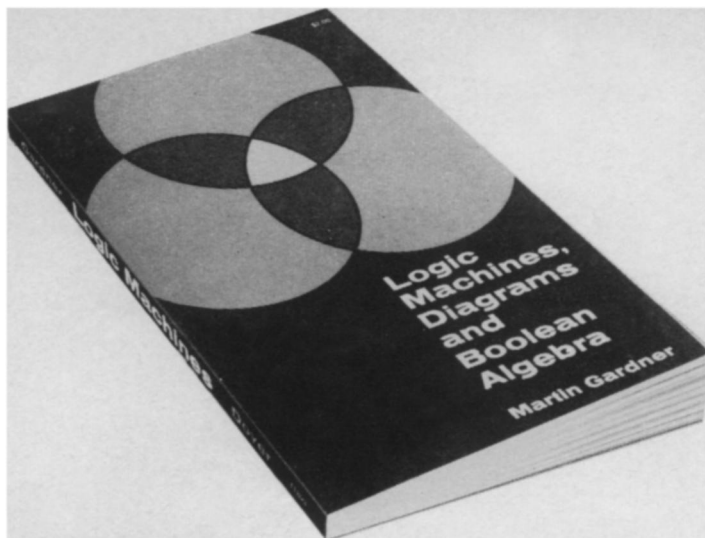
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