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 * Discovery
 * of the 20th Century" *

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$x^3 + 7x - 4 = 0?$

It looks HARD with that x^3 term, but it's EASY to get $x = .547928287$ on your calculator with my

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Set $x^3 + 7x - 4 = (x^2 + 7)x$ and then $x = 4/(x^2 + 7)$. Now make a first guess of $x = 1/2$ and use it on the right-hand side to calculate $4/(.5^2 + 7) = .55...$ Let .55 be your second guess and get $4/(.55^2 + 7) = .5477...$ for your third guess. Repeat this process for greater and greater accuracy. **WANT TO KNOW MORE?**

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My name is Dr. George McCarty. I teach math at the University of California. I wrote this guidebook to cut through the confusion. It does just that — with worked-out examples, simple exercises and practical problems — all designed to work with precision and magic on your calculator!

POWER METHODS. Need to evaluate functions, areas, volumes — solve equations — use curves, trig, polar coordinates — find limits for sequences and series? It's all here!

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Professor John A. Ball of Harvard College (author of the book *Algorithms for RPN Calculators*) writes: "I wish I had had as good a calculus course."

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George W. McCarty

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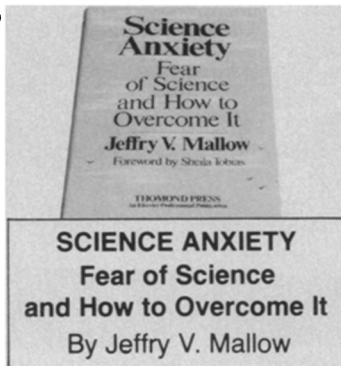
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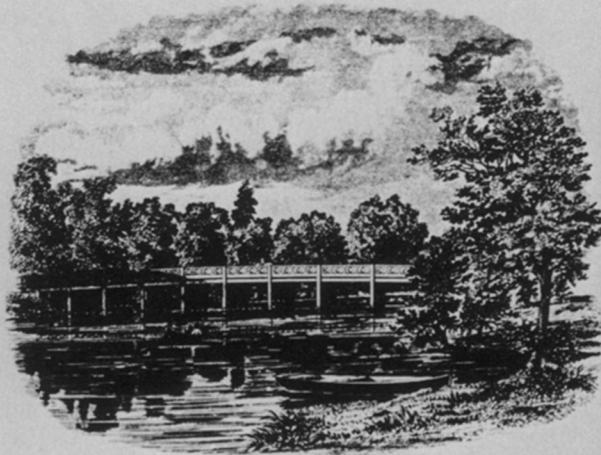
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