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**Costly  
Cutting**



A close-up of James K. Park's one-dimensional glider gun.

# The Armchair Universe

## An Exploration of Computer Worlds

### A. K. Dewdney

This is the first collection of A. K. Dewdney's popular "Computer Recreations" columns, drawn from *Scientific American* magazine between 1984 and 1987. The recreations described here range from purely entertaining brainteasers to more practical computer applications of scientific thought. And with Dewdney's lucid programming directions to follow, you can actually sit at your computer and try your hand at them all. You can play challenging games or generate stunning graphic images. You can engage in the sci-fi thriller "Core War," a computer game where hostile programs seek and destroy other programs in a computer's memory. Or, if you're in a more

serious mode, you can write a simple program that displays successive generations in the life of a cellular automaton.

Expert programmers and computer-shy neophytes alike will enjoy these games and problems, which have been fully updated with comments and refinements from Dewdney's local readers. Just turn to any page, turn down your desk lamp to a soft glow, and fix your eyes on the viewscreen. THE ARMCHAIR UNIVERSE is unfolding.

— from the publisher

W. H. Freeman & Co., 1988, 330 pages, 6 1/2" x 9 1/4", paperback, \$13.95

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Please send \_\_\_\_\_ copy(ies) of *The Armchair Universe*. I include a check payable to Science News Books for \$13.95 plus \$2.00 postage and handling (total \$15.95) for each copy. Domestic orders only.

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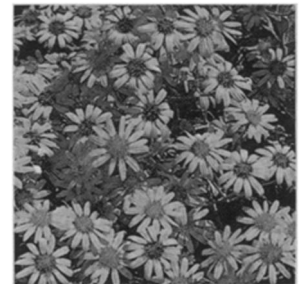
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• **Trees for Small Gardens** by Brian Davis. Sixty photographs complement descriptions of soil and sun requirements, planting, pruning and cultivation hints for more than 300 trees for the small garden.

Rodale Press, 1988, 96 pages, 4" x 8", \$7.95, paperback