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**COVER** A front view of the 1-gigaflop 64-node Columbia Parallel processor showing the edges of the processor boards and the cables connecting them. The cables form a mesh shaped as a doughnut folded twice onto itself. Each wide, multicolored cable is made up of 20 twisted pairs, carrying 16 data bits and parity at a sustained transfer rate of 16 megabytes per second. See page 1393. [Norman H. Christ, Department of Physics, Columbia University, New York, NY 10027]

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