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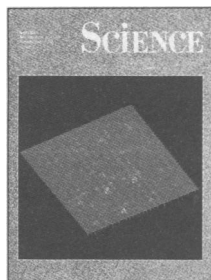
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**COVER** An ordered array of 1024 peptides. Light was used to direct the simultaneous synthesis of many different peptides in a 1.28 cm by 1.28 cm region. Particular amino acids were attached to the growing peptide chains only when protecting groups had been selectively removed through photolithography. This fluorescence image reveals those peptides that bind to a specific antibody with high affinity. See page 767. [Image by Stephen P. A. Fodor and co-workers]

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