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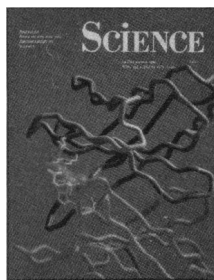
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**COVER** Combining site (heavy chain in red, light chain in blue) of antibodies which bind ligands containing tetrahedral phosphate (here phosphorylcholine shown as blue surface with phosphate bonds colored cyan) can stabilize a hydrolytic transition state and thus function as a highly specific enzyme. See page 1570. [Coordinates of the McPC603 antibody-antigen complex from D. Davies, National Institutes of Health. Computer graphic modeling and photograph by Arthur J. Olson, Research Institute of Scripps Clinic, La Jolla, CA, using software by A. J. Olson and Michael L. Connolly]

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