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COVER

Myriad of minerals form on the surface of nuclear waste glass (type SRL-131) during exposure to water vapor. Such hydration reactions can be used to age glass, thereby simulating conditions in a waste repository. Results also add insight to the age dating of natural artifacts (about $\times 750$). See page 51. [J. K. Bates and J. Thallemer, Chemical Engineering Division, Argonne National Laboratory, Argonne, Illinois 60439]

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