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High-frequency elastic waves reveal structural and dynamical properties of condensed matter.

Deuterated Organisms: Cultivation and Uses: J. J. Katz and H. L. Crespi
Living organisms of unusual isotopic composition can be used for magnetic resonance studies.

The Accademia dei Lincei: S. Drake
Modern scientific societies owe many of their important traditions to the Lincean Academy, founded in 1603.

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COVER
The long, movable posterolateral spines of the rotifer Brachionus calyciflorus are induced de novo by a
factor released into the environment by the larger, predatory rotifer Asplanchna. When contacted, Brachionus calyciflorus reflexly withdraws its corona, creating internal positive pressure which causes lateral extension of the spines. The structure and movements of these spines provide very effective mechanical defense against Asplanchna (about × 500). See page 1234. [John J. Gilbert and...