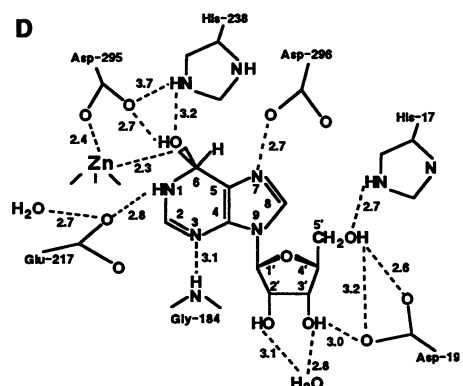


I read the article about the use of extremely loud underwater sound to measure ocean temperatures from the viewpoint of a researcher investigating the effects of loud noise on the vertebrate inner ear. The intensity of the sound at its source was incredibly loud, 209 decibels or approximately 10 billion times the threshold of human hearing. Levels of 124 decibels were detected at a distance of 1000 kilometers from the source. Although I do not know of any studies on the effects of loud waterborne sound on the inner ears of marine mammals, sound levels of 124 decibels are known to induce permanent hearing loss in terrestrial mammals. Marine mammals have a highly developed sense of hearing. Dolphins, for example, use their hearing for communication and echolocation to navigate and find food. Prudence suggests caution in exposing marine mammals to sound levels that are known to induce permanent hearing loss in land mammals.

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**Erratum:** In the Research Article "Atomic structure of adenosine deaminase complexed with a transition-state analog: Understanding catalysis and immunodeficiency mutations" by David K. Wilson *et al.* (31 May, p. 1278), figure 3D on page 1281 was inadvertently omitted. The figure and a corrected caption are printed below.



(D) Schematic diagram of the interaction between ADA and HDP. Numbers near dashed lines indicate distances (in angstroms) between refined nonhydrogen atoms. As discussed in the text, Glu<sup>217</sup> and Asp<sup>296</sup> are likely to have pK<sub>a</sub> values greater than normal, His<sup>238</sup> and Asp<sup>295</sup> are likely to be in the ionized or charged species, and His<sup>17</sup> (a zinc ligand) is neutral.

**Erratum:** In "This Week in Science" (21 June, p. 1591), it was stated incorrectly that a News & Comment article by Paul Selvin about "the legal battles of Jenny Harrison" could be found in that same issue. The article appeared in the next issue, 28 June, p. 1781.

**Erratum:** In the heading of the review of A. T. Sumner's *Chromosome Banding* (7 June, p. 1437), the name given for the publisher was incomplete. The correct name is Unwin Hyman Inc., to be addressed at 955 Massachusetts Avenue, Cambridge, MA 02139-3107.

12 JULY 1991

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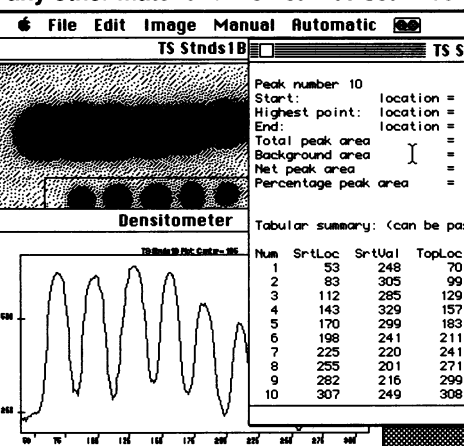
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