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RÜDIGER BIELER & PAULA M. MIKKELSEN

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31ST ANNUAL MEETING, WESTERN SOCIETY OF MALACOLOGISTS

TOGETHER WITH OTHER PARTICIPATING MALACOLOGICAL ORGANIZATIONS



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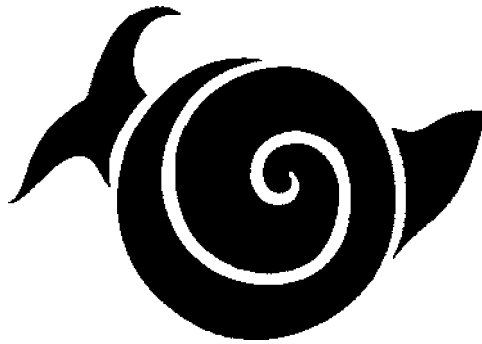
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The content of chemical elements in the shells of certain bivalve mollusks

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While investigating the poral apparatus of certain groups of Bivalvia, we found it necessary to study the chemical composition of their shells and mantles, in particular the epithelial projections of the latter. Under investigation was the chemical composition of shells of 12 freshwater and marine Bivalvia species: *Colletopterum piscinale falcatum*, *C. ponderosum rumanica*, *Anodonta zellensis michelli*, *A. cygnea*, *Unio rostratus*, *U. conus borysthenicus*, *U. tumidus falcatus*, *Solen vagina*, *Moerella tenuis*, *Ostrea edulis*, *Polittapes aurea*, and *Flexopecten ponticus*. It was established that it comprised 10 chemical elements: C, O, Al, Si, Cl, Ca, Cu, K, S, and P. Their percent-weight proportions are different in each species due to different quantitative and qualitative characteristics of their respective water bodies.

