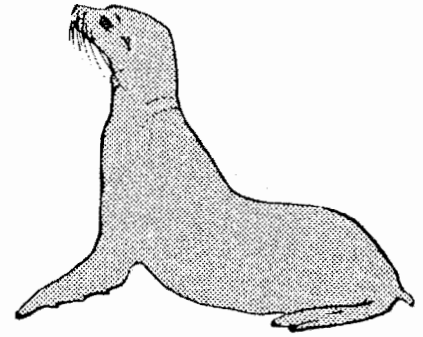
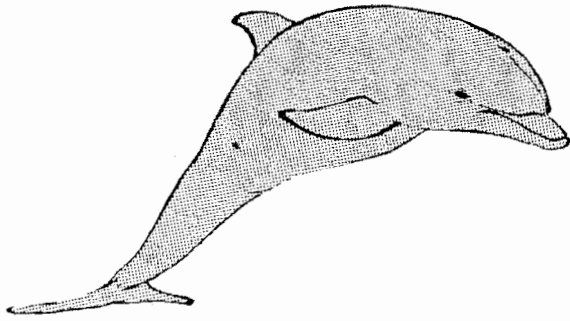


SECTIONING AND STAINING OF STELLER SEA LION (EUMETOPIAS JUBATUS)
AND HARBOR SEAL (PHOCA VITULINA) TEETH FOR AGE DETERMINATION.
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Various methods of sectioning and staining decalcified teeth of Steller sea lion and harbor seal species were tested to facilitate age determination from counts of cementum annulations. Over 800 teeth from Steller sea lions and harbor seals were longitudinally sectioned and stained with one of several different staining procedures. Hematoxylin stain applied in hot baths to sections approximately 12 microns thick provided distinct differentiation of annulations that could be counted with a microscope. Paragon multiple, Field and Giemsa stains did not provide as clear differentiation of annulations. Teeth from four known-age animals were used to interpret the annual pattern of cementum deposition for Steller sea lions and harbor seals.



PROCEEDINGS
(ABSTRACTS)

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