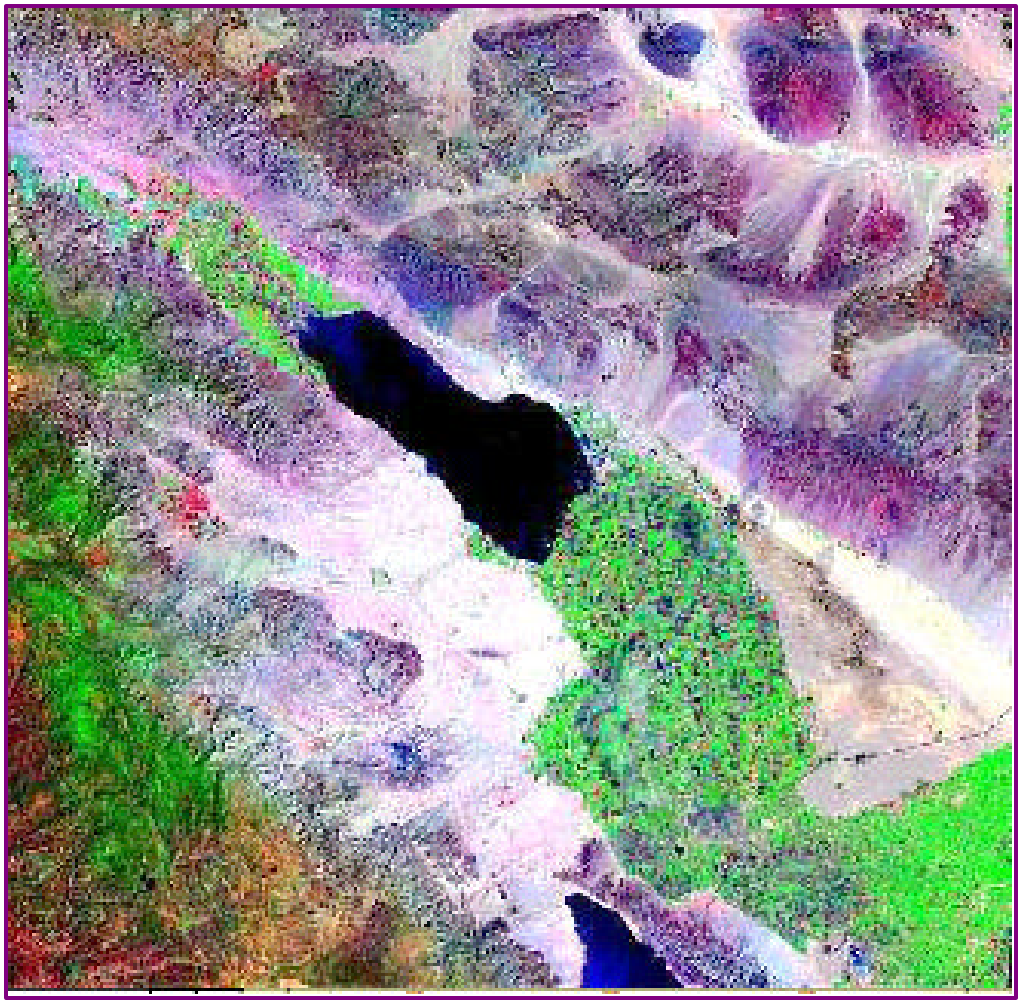
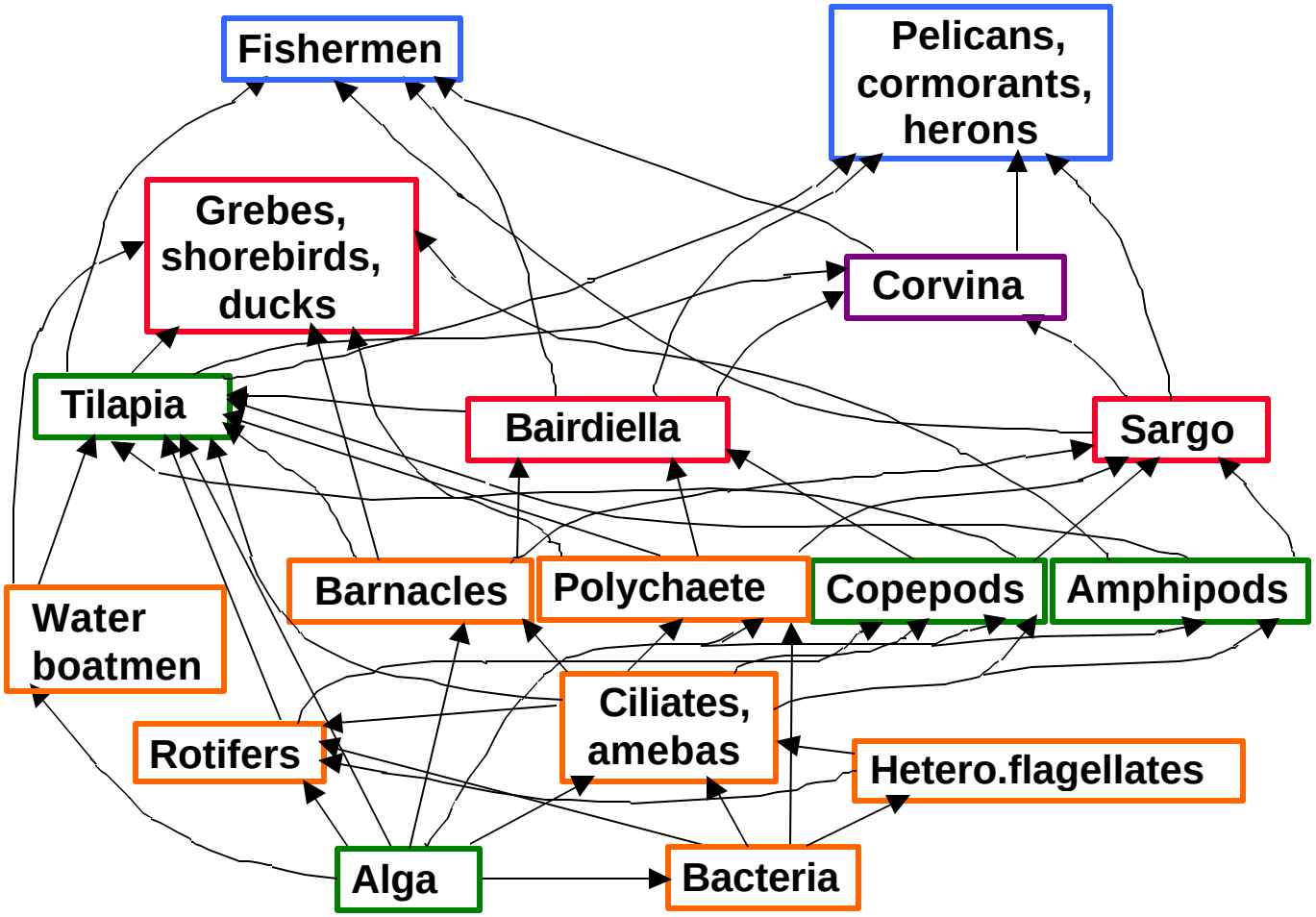
Salton Sea Ecology and Salinity Effects

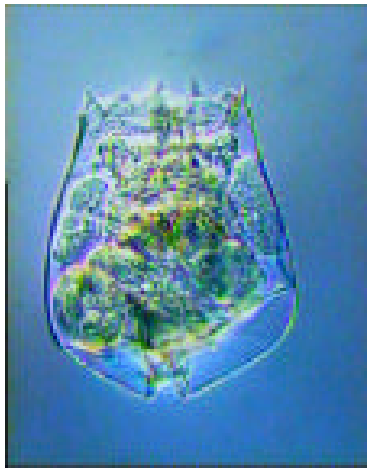
Stuart H. Hurlbert
San Diego State University



Salton Sea Food Web



Metazoans

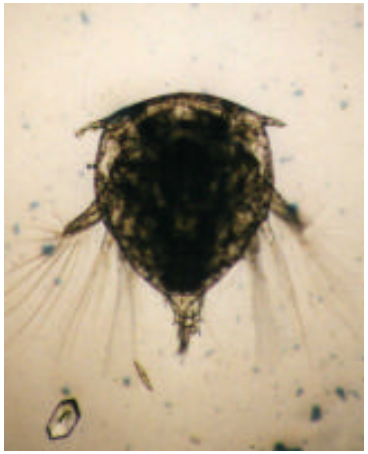


Rotifer (*Brachionus*)

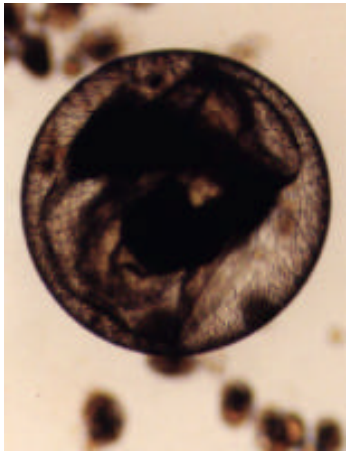
Rotifer (*Synchaeta*)

Worm larva and egg (*Neanthes*)

Copepod (*Apocyclops*)



Barnacle larva (*Balanus*)



Fish egg

Dinoflagellates

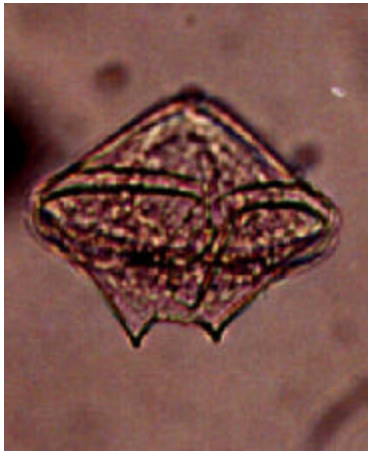
Heterocapsa

Gyrodinium

Scrippsiella

Gonyaulax

Oblea



Protoperidinium

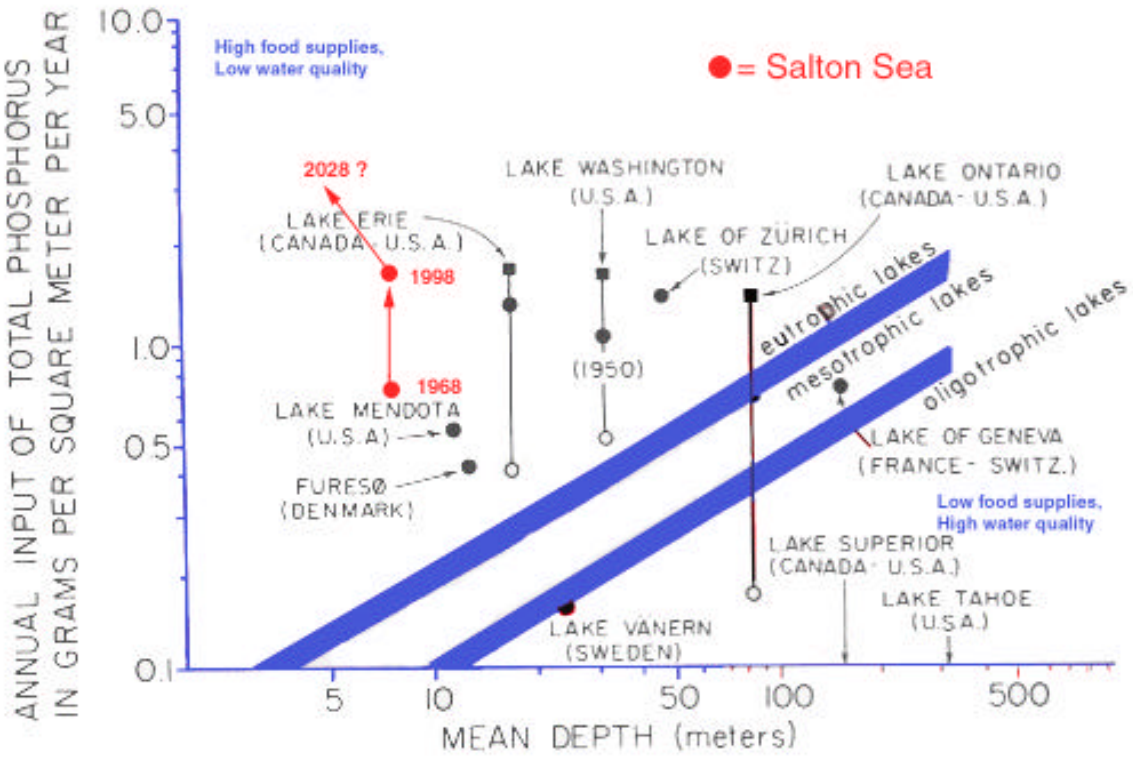
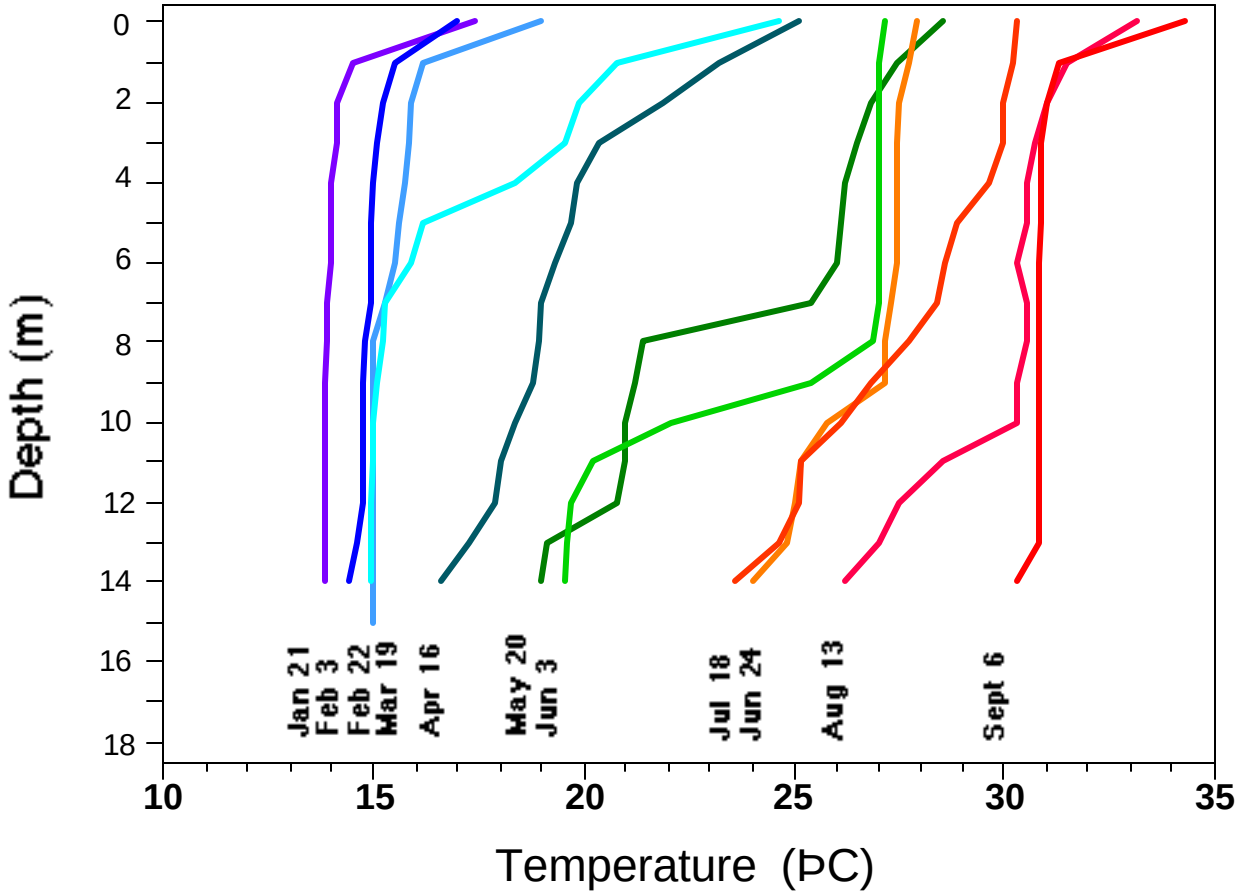


FIG. A13. *Phosphorus inputs to several European and North American lakes based on a chart originally prepared by Dr R. A. Vollenweider. Solid circles indicate 1968 states. Solid squares indicate predicted states, 1985–90, without any attempt at phosphorus control. Open circles indicate predicted states, 1985–90, with phosphorus control. Oligotrophic lakes lie below the lower hatched line; eutrophic lakes lie above the upper hatched line; and mesotrophic lakes lie between two hatched lines. See p. 103 for further explanation.*

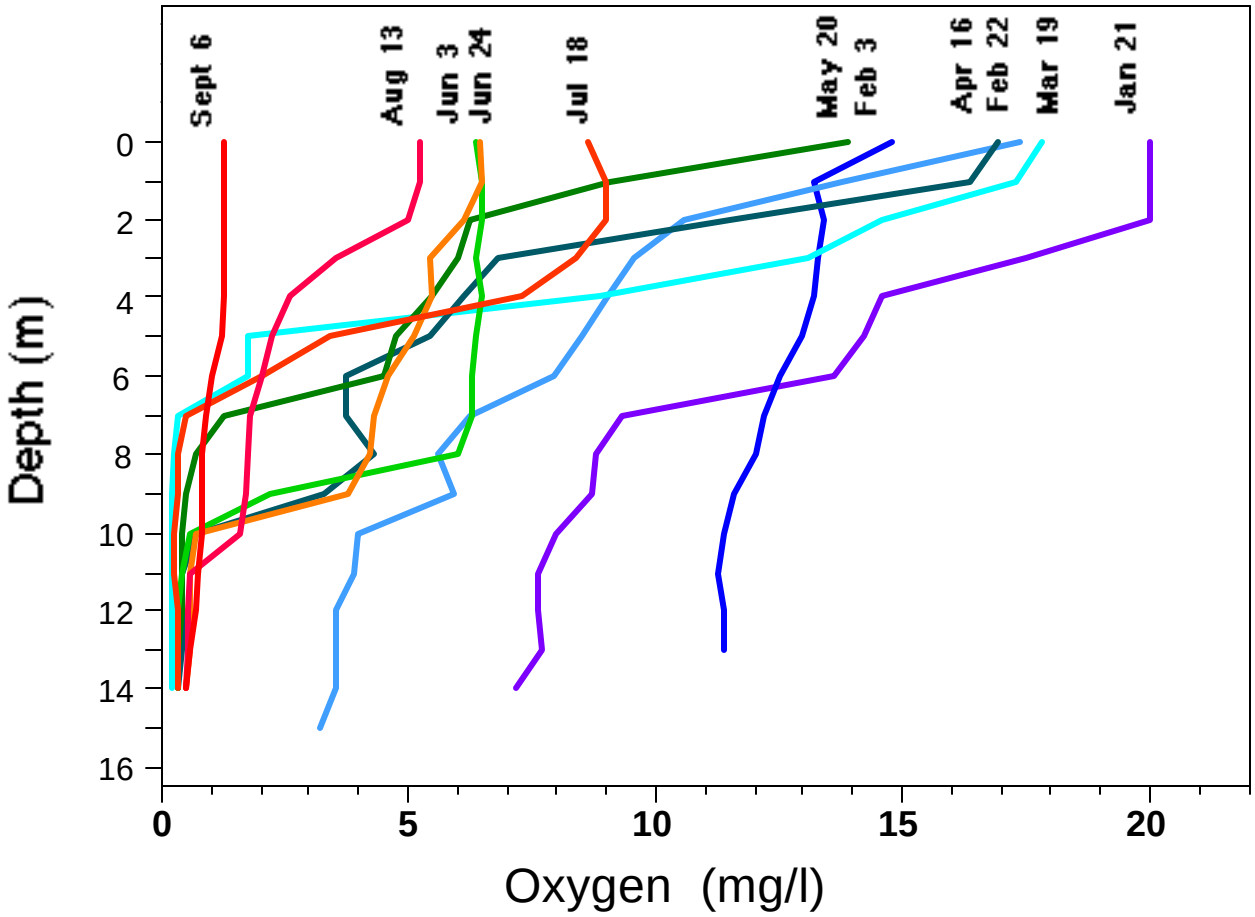
SALTON SEA TEMPERATURE PROFILES

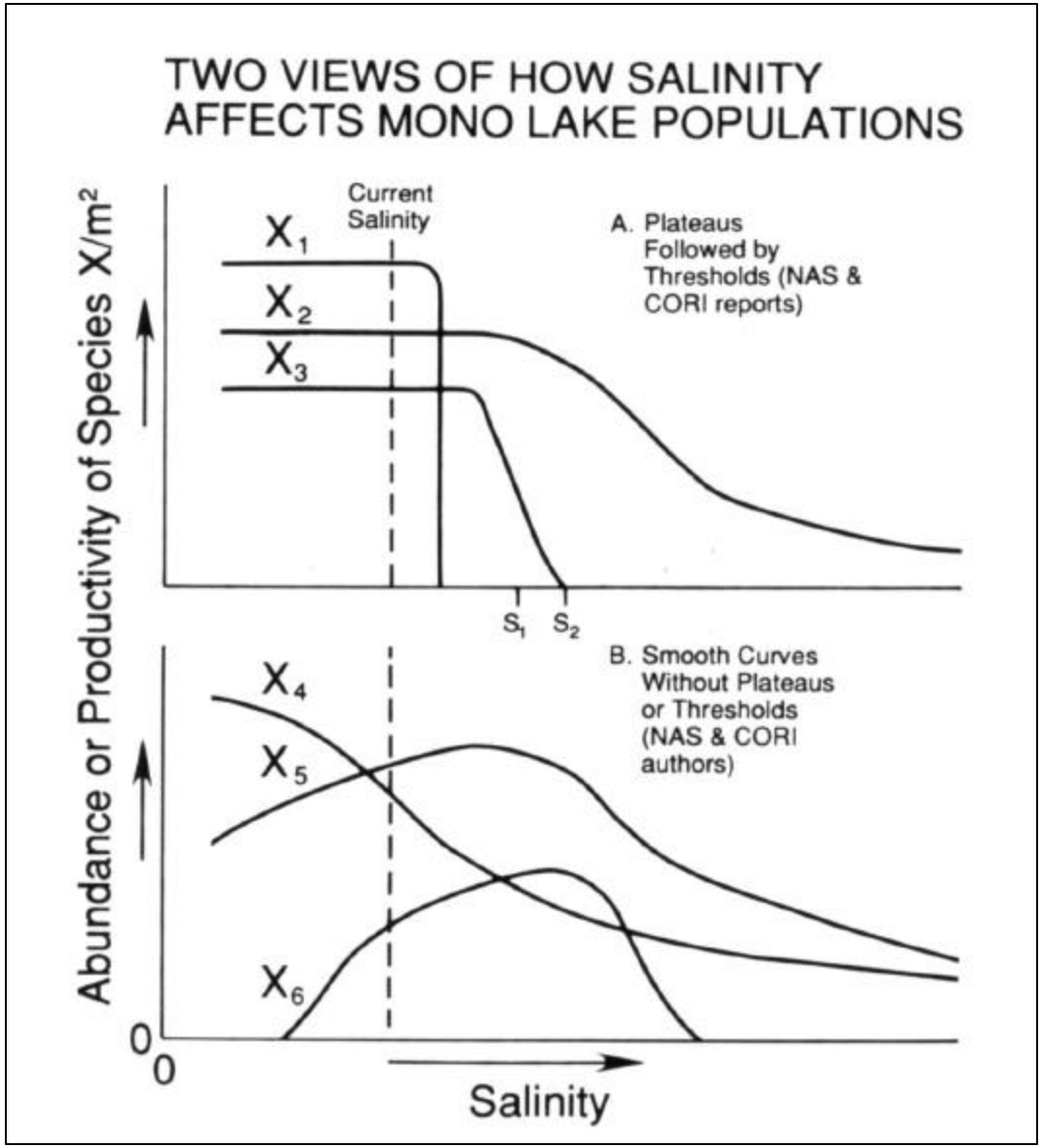
Jan - Sept 1997



SALTON SEA OXYGEN PROFILES

Jan - Sept 1997





Comparison of (A) the types of salinity effect models implicit in the NAS and CORI reports, and (B) those expected on the basis of physiological and ecological principles.