

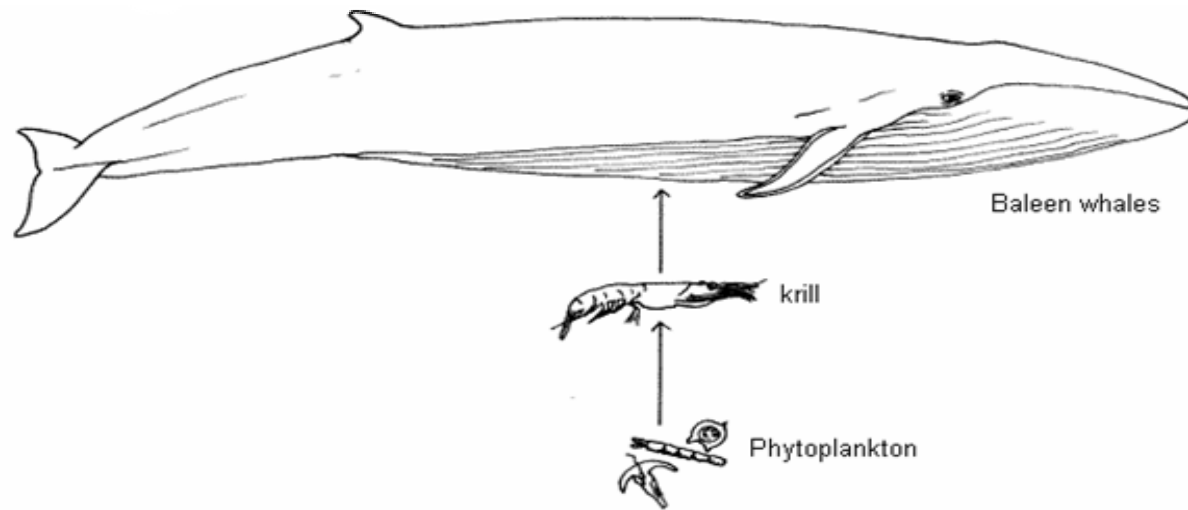
Antarctic sea: Productivity and diversity

Aditi Pant

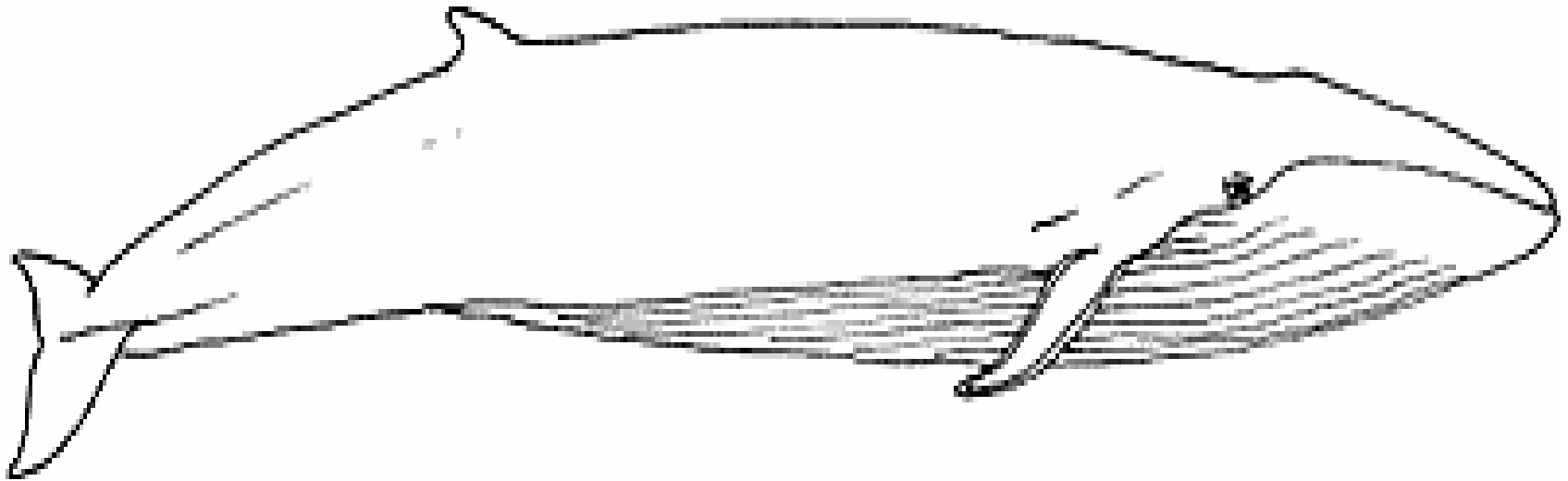
aditi.pant@vsnl.net



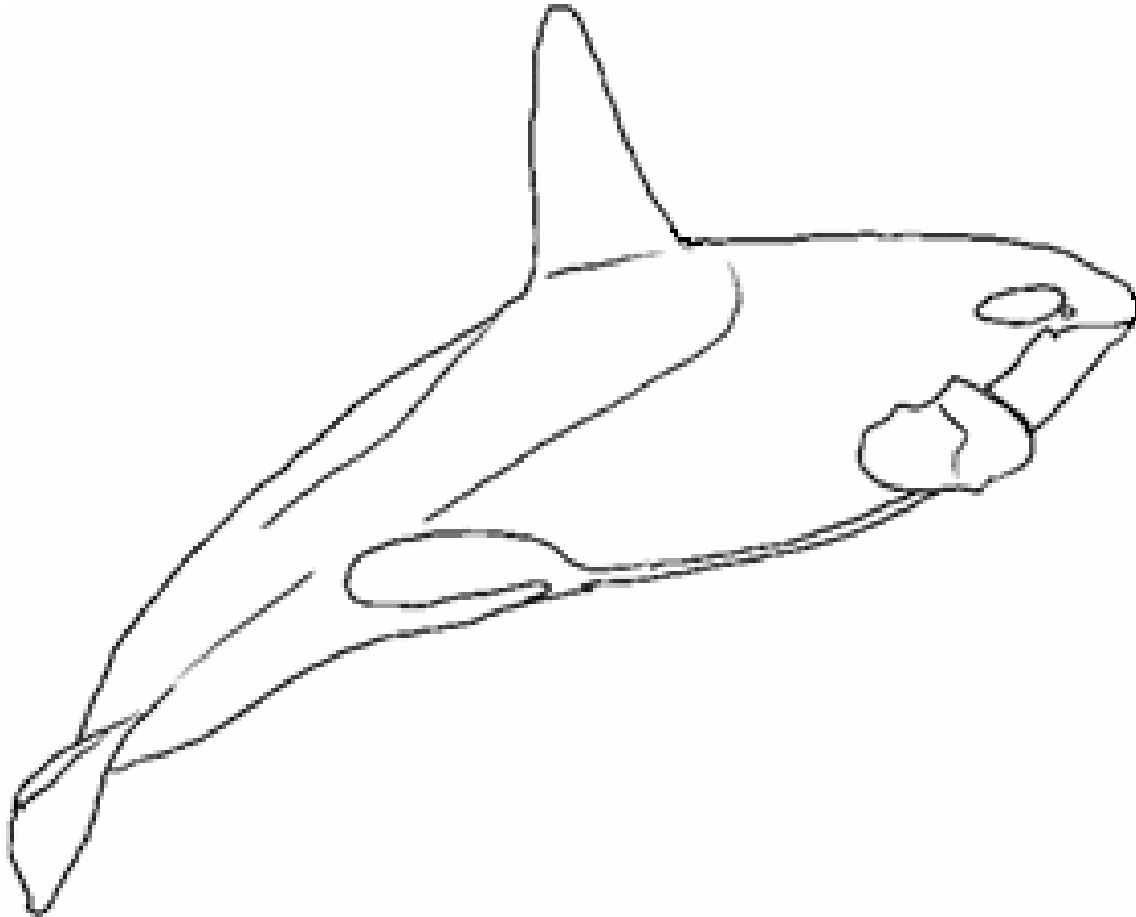
Taking ocean readings in the cold and wind



Oceanic Food Chain in the Antarctic



Baleen whale



Orca

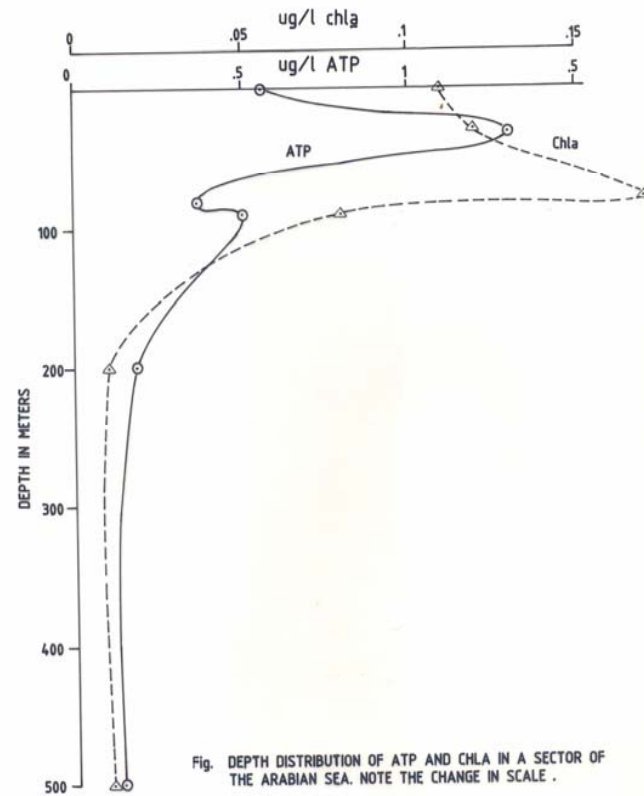
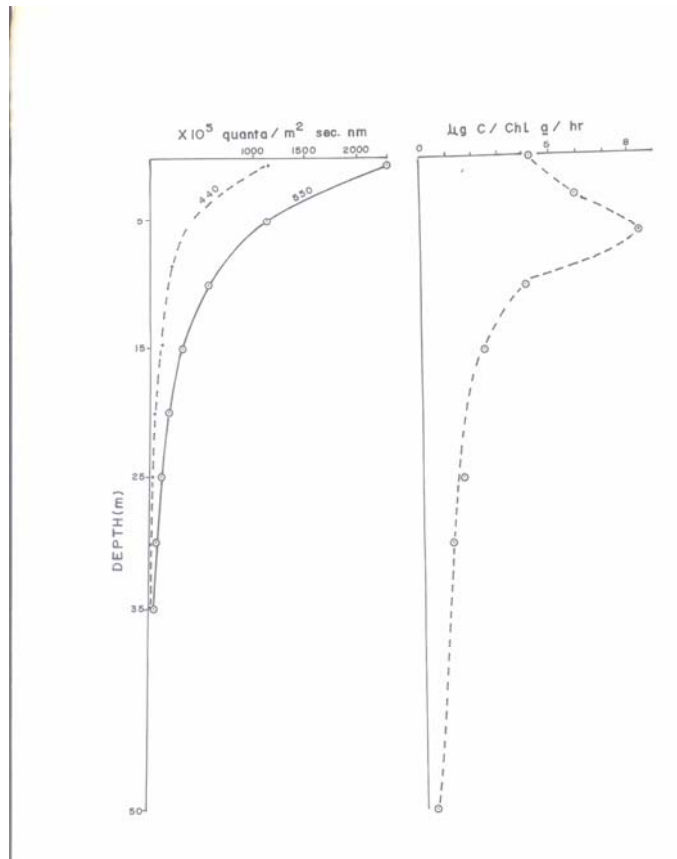


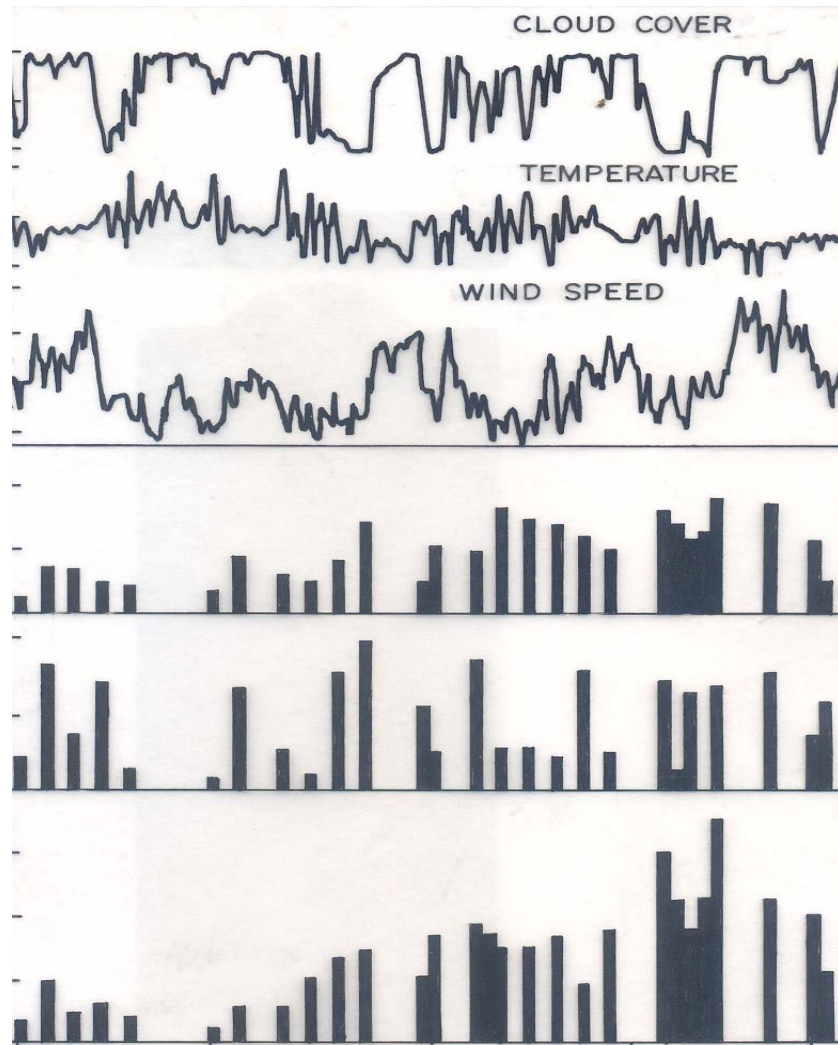
Fig. DEPTH DISTRIBUTION OF ATP AND CHLA IN A SECTOR OF THE ARABIAN SEA. NOTE THE CHANGE IN SCALE .

Vertical distribution of ATP and Chlorophyll



Light absorption and productivity in the water column



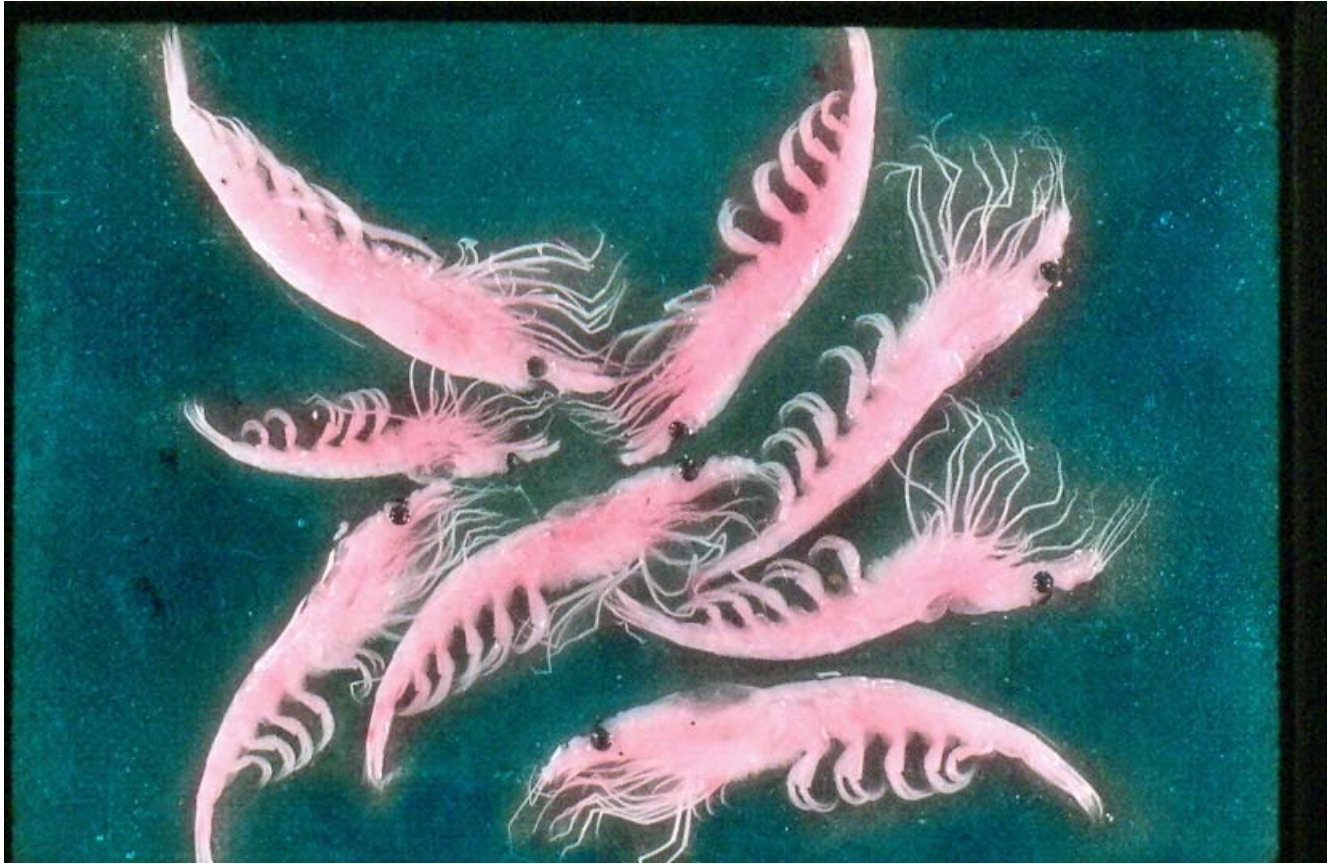


Local wind speed and cloud cover influences primary production





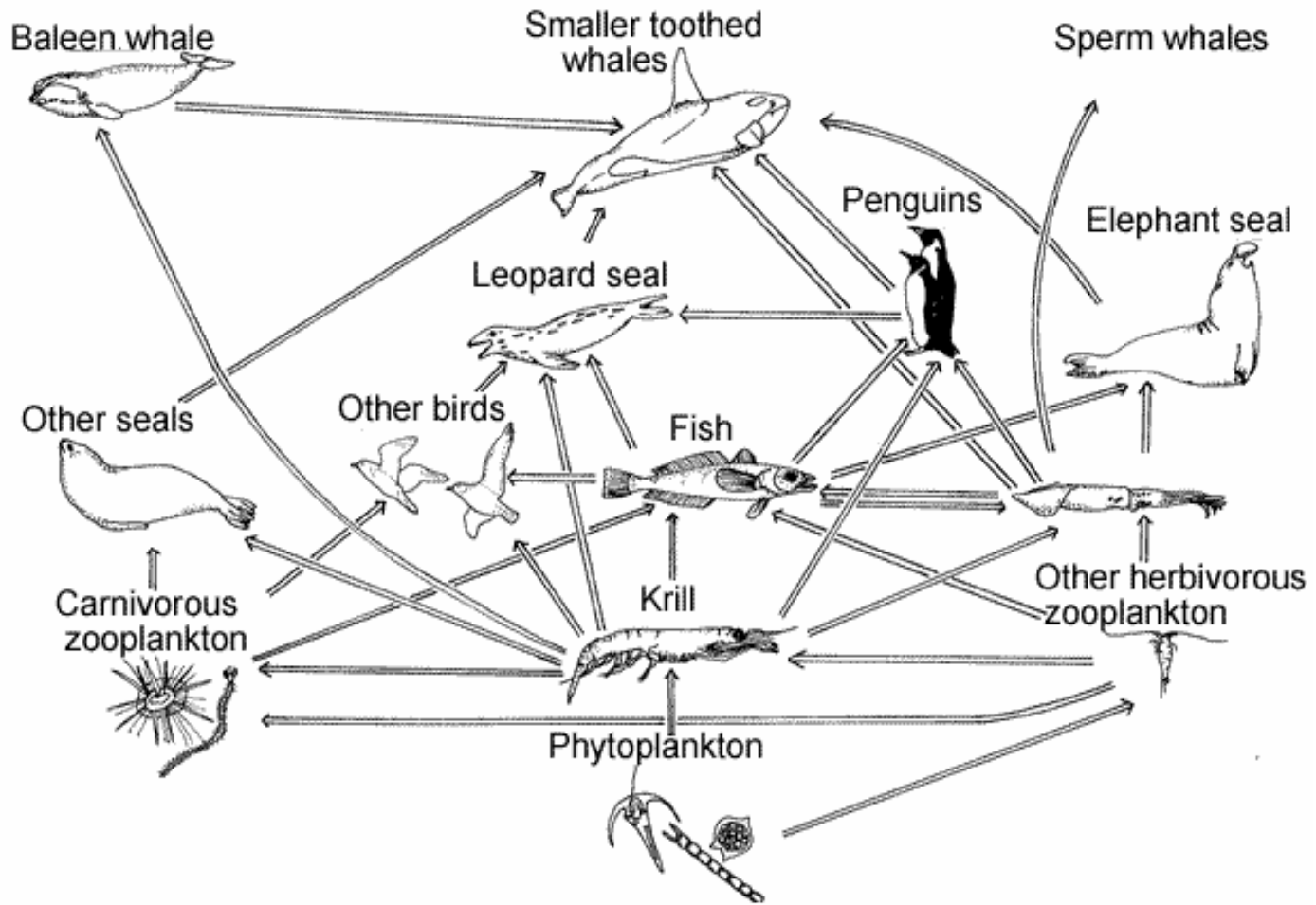
Diatoms on sea ice











Food Webs in the Antarctic







Red snow (Chlamydomonads)



Moss lawn Photo: Rod Seppelt



Ceratodon pupureus, *Bryum pseudotrichetrum* and *Grimmia antarctici*: Photo R. Seppelt



© Roger Kirkwood

Foliose lichen



Xanthoria elegans and *Buellia frigida*. Photo: Rod Seppelt



Ceratodon purpureus with white rings of parasitic fungus. (R. Seppelt)









Snow petrel (*Pagodroma nivea*) Photo: Paul Ward



Blue-eyed Shag (*Phalacrocorax atriceps*): Paul Ward