


生物策略表

類別	生物策略 (Strategy)
生物策略 STRATEGY	隆起的長鼻擴大聲響 (Bulging proboscis amplifies sound)
生物系統 LIVING SYSTEM	南象鼻海豹 <i>Mirounga leonina</i> (Southern elephant seal)
功能類別 FUNCTIONS	#改變大小/形狀/質量/體積 #傳遞聲音訊號 #Modify size/shape/mass/volume #Send sound signals
作用機制標題	雄性象鼻海豹的長鼻通過結合空氣、血液和肌肉而膨脹，從而擴大鳴叫 (The proboscis of the male elephant seal amplifies calls by bulging using a combination of air, blood, and muscle.)
生物系統/作用機制 示意圖	
作用機制摘要說明 (SUMMARY OF FUNCTIONING MECHANISMS)	
文獻引用 (REFERENCES)	
<p>另一種展示著誇張鼻子的物種是雄性的象鼻海豹，牠是在所有海豹物種中最大型的，長 5-6 公尺，體重達 3500 公斤。在繁殖季節，當海豹在加利福尼亞海岸或南大西洋諸島的廣闊地聚集成群時，成熟的雄性會使用其巨大而膨脹的鼻子。成熟雄象海豹的長鼻在血液、肌肉和空氣的共同作用下膨脹，並擴大了牠對其他雄性發起挑戰的吼叫聲。(Foy and Oxford Scientific Films 1982: 136)</p> <p>Another species in which the male sports an exaggerated nose is the elephant seal, largest of all seals at 5-6 m long and up to 3500 kg in weight. The huge, bulging nose of the mature male is used during the breeding season, when the seals gather in vast herds on the shores of California or the South Atlantic islands. The proboscis of the mature male bulges with the combined efforts of blood, muscle and air, and amplifies his defiant bellowing at other males. (Foy and Oxford Scientific Films 1982: 136)</p>	
參考文獻清單與連結 (REFERENCE LIST)	
Foy, S. (1983). <i>The grand design: form and colour in animal</i> . Prentice-Hall.	

延伸閱讀

生物系統延伸資訊連結 (LEARN MORE ABOUT THE LIVING SYSTEM/S)

https://en.wikipedia.org/wiki/Southern_elephant_seal

https://www.onezoom.org/life/@mirounga_leonina

<https://eol.org/pages/328639>

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AskNature 原文連結

<https://asknature.org/strategy/bulging-proboscis-amplifies-sound/>