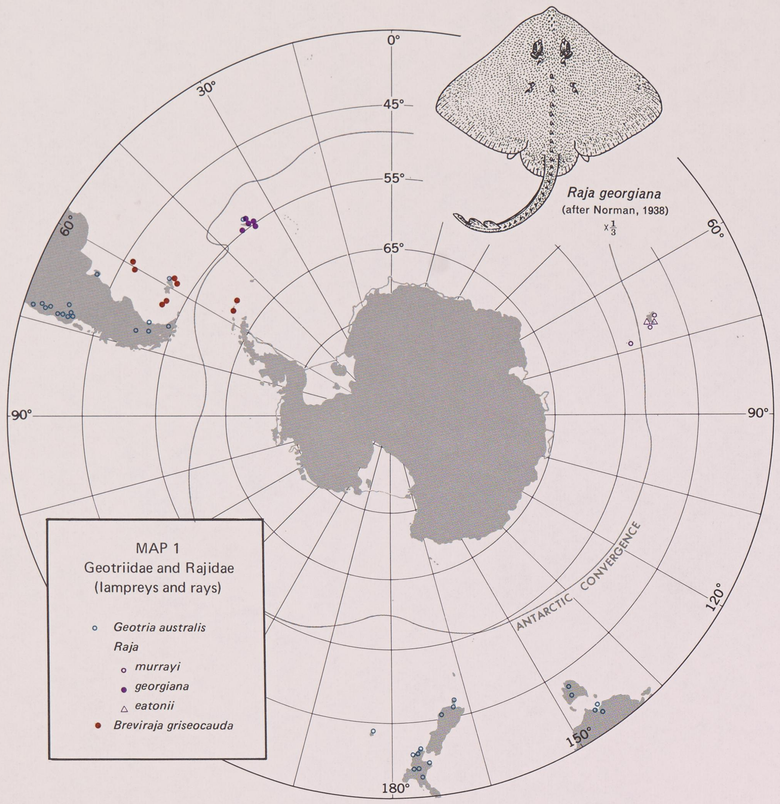
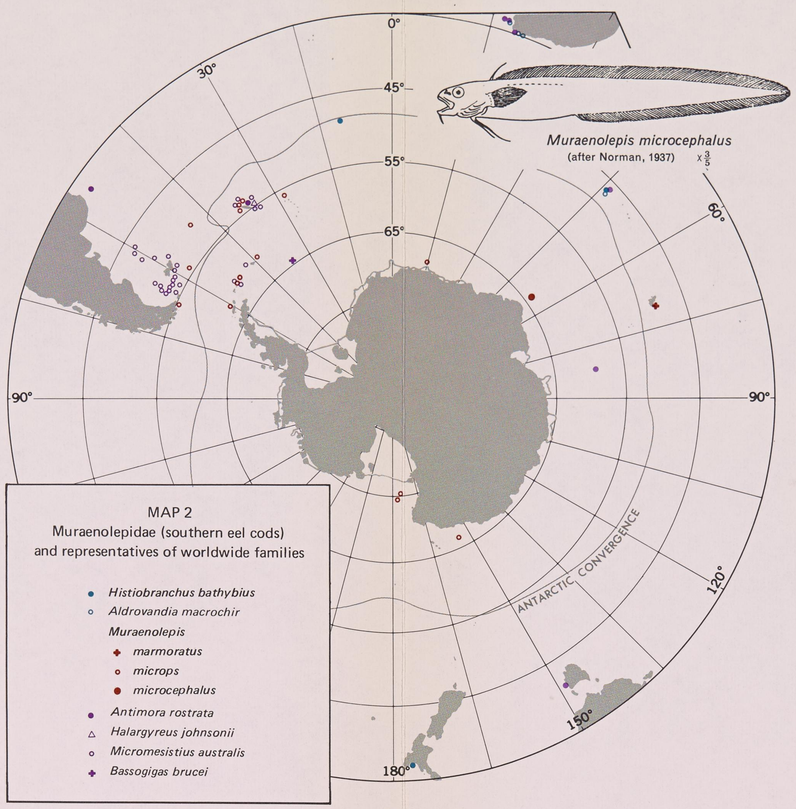
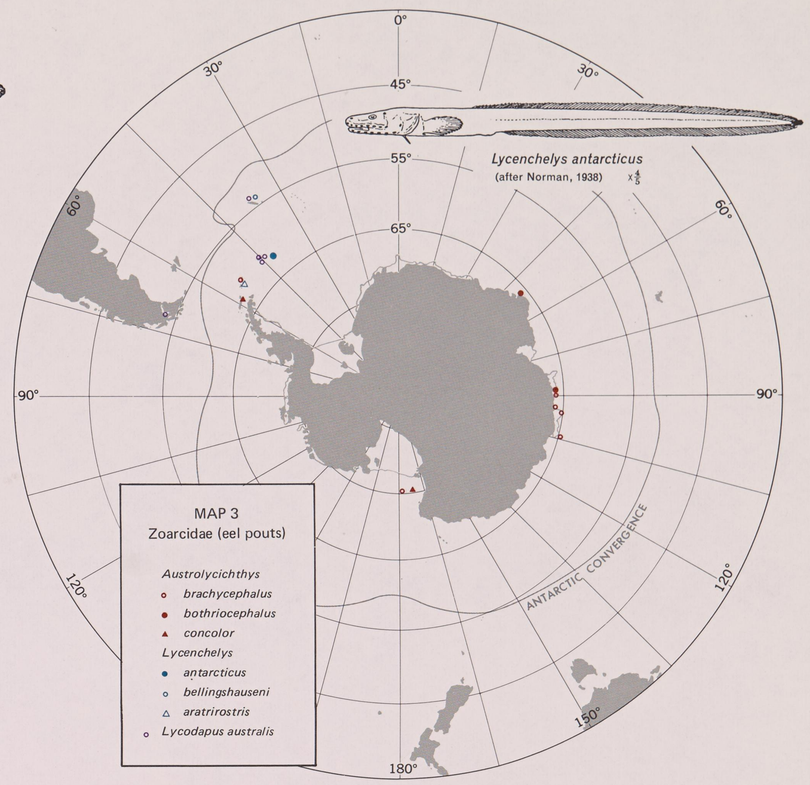
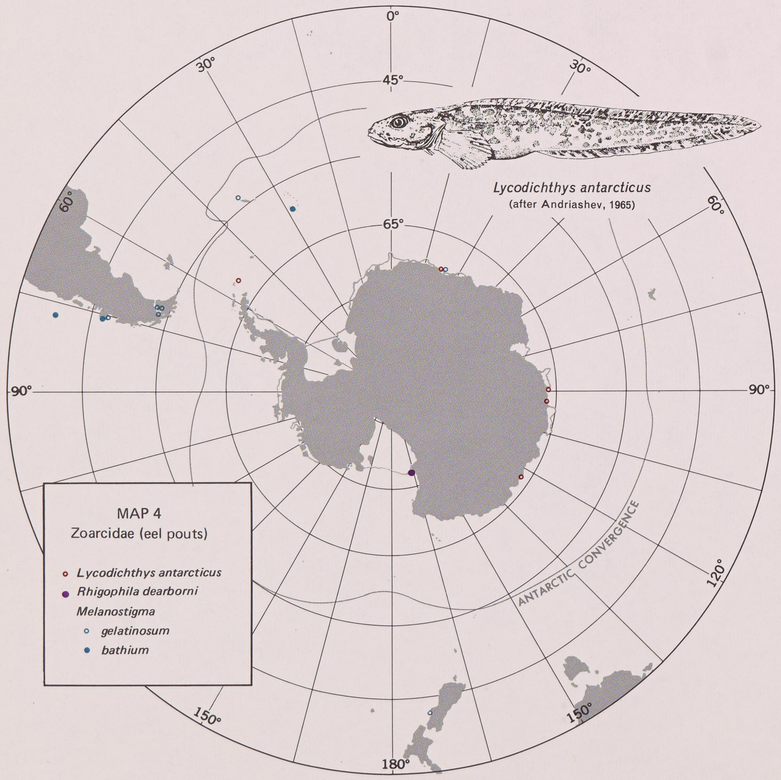
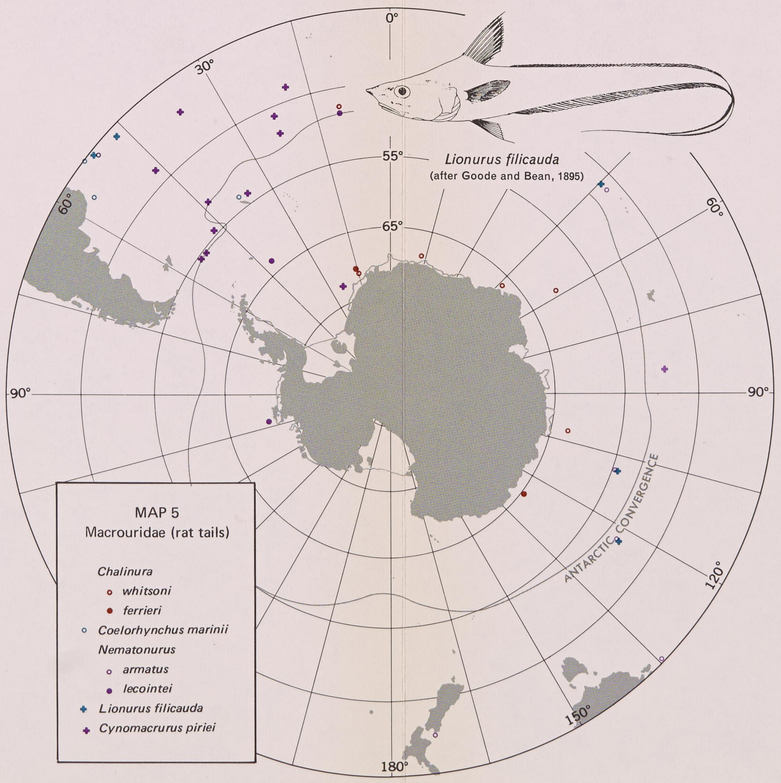
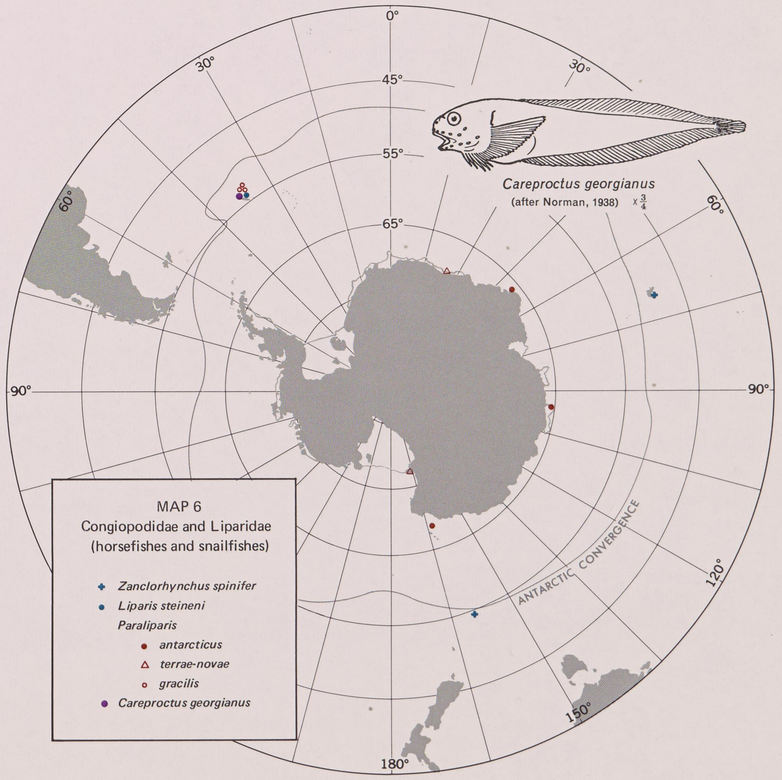

Raja georgiana
(after Norman, 1938)
x 1/3
0°
30°
45°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 1
Geotriidae and Rajidae
(lampreys and rays)
Geotria australis
Raja
murrayi
georgiana
eatonii
Breviraja griseocauda


Muraenolepis microcephalus
(after Norman, 1937)
x 3/5
0°
30°
45°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 2
Muraenolepidae (southern eel cods)
and representatives of worldwide families
Histiobranchus bathybius
Aldrovandia macrochir
Muraenolepis
marmoratus
microps
microcephalus
Antimora rostrata
Halargyreus johnsonii
Micromesistius australis
Bassogigas brucei


Lycenchelys antarcticus
(after Norman, 1938)
x 4/5
0°
30°
45°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 3
Zoarcidae (eel pouts)
Austrolycichthys
brachycephalus
bothriocephalus
concolor
Lycenchelys
antarcticus
bellingshauseni
aratrirostris
Lycodapus australis


Lycodichthys antarcticus
(after Andriashev, 1965)
0°
30°
45°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 4
Zoarcidae (eel pouts)
Lycodichthys antarcticus
Rhigophila dearborni
Melanostigma
gelatinosum
bathium


Lionurus filicauda
(after Goode and Bean, 1895)
0°
30°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 5
Macrouridae (rat tails)
Chalinura
whitsoni
ferrieri
Coelorhynchus marinii
Nematonurus
armatus
lecointei
Lionurus filicauda
Cynomacrurus piriei


Careproctus georgianus
(after Norman, 1938)
x 3/4
0°
30°
45°
55°
65°
60°
90°
120°
150°
180°
ANTARCTIC CONVERGENCE
MAP 6
Congiopodidae and Liparidae
(horsefishes and snailfishes)
Zanclorhynchus spinifer
Liparis steineni
Paraliparis
antarcticus
terrae-novae
gracilis
Careproctus georgianus