

SUBJECT INDEX

Taxonomy, Body proportion and Osteology

- Balaena mysticelus* 22: 45–62, 34:49–57
Eubalaena glacialis 13: 1–52, 21: 1–78, 21: 79–84, 23: 71–81, 30: 249–251
Eschrichtius robustus 22: 29–37, 26: 1–14, 35: 195–197
Balaenoptera musculus 7: 125–183
B. musculus brevicauda 22: 1–27, 35: 199–203
B. physalus 7: 125–183, 9: 121–163, 12: 127–189, 15: 17–84, 16: 29–34
B. borealis 9: 89–103, 14: 1–33, 23: 83–89
B. edeni 9: 89–103, 14: 1–33, 16: 1–5, 16: 7–18, 31: 85–92, 33: 1–26
B. acutorostrata 11: 1–37, 12: 1–21, 19: 37–43, 22: 75–125, 27: 1–36, 28: 57–68, 28:69–72, 36: 1–33, 38: 1–46
Megaptera novaeangliae 7: 125–183, 14: 49–87, 36: 165–168
odontocete 38: 117–124
Physeter catodon 7: 125–183, 11: 47–83, 16: 35–45, 17: 1–14
Kogia sp. 9: 37–58
K. breviceps 33: 119–124, 35: 183–193
K. simus 38: 171–186
Tasmacelus shepherdii 28: 127–128
Mesoplodon ginkgodens 13: 53–83, 24: 43–56
M. densirostris 23: 129–137
M. stejnegeri 14: 35–48, 28: 107–117, 38: 91–105
M. bowdoini 16: 61–77
M. grayi 38: 107–115
M. sp. 16: 79–82, 37: 103–107
Ziphius sp. 37: 109–127
Ziphius cavirostris 24: 1–34
Berardius 27: 111–137
B. bairdii 10: 89–132
Hyperoodon planifrons 28: 119–126
Peponocephala electra 19: 91–104, 20: 95–100
Feressa attenuata 9: 59–88, 19: 65–90
Orcinus orca 26: 255–258
Globicephala macrorhynchus and *G. melaena* 27: 95–110
Globicephala macrorhynchus 32: 67–95, 32: 145–148
Lagenodelphis hosei 25: 251–263, 30: 231–244
Stenella attenuata 19: 53–64
S. spp. 28: 129–135
Phocoena dioptrica 35: 159–164
Platanistoidea 34: 93–108, 35: 173–181
Platanista gangetica 24: 87–108
- Small cetaceans; Tierra del Fuego 30: 197–230
Mirounga leonina 20: 211–212
Systematic study
Pelvic bone 5: 5–15, 30: 271–279, 32:25–37
Hyoid bone, baleen whales 18: 149–170
Balaenoptera acutorostrata 26: 15–24
Phoca 26: 313–320
Sternum and clevice
Stenella coruleoalba 30: 253–269
Megaptera novaeangliae 30: 253–269
Tympano-periotic bone, toothed whales 25: 1–103
Vertebrae, baleen whales 23: 61–69
Skull and other characteristics, delphinidae 17: 93–103, 18: 171–172
Secondary sexual character
Balaenoptera physalus 16: 29–34
Physeter catodon 20: 89–94
Karyotype
Balaenoptera borealis 20: 83–88
- ### Anatomical and Histological study
- Brain, *Physeter* 6: 49–72
Stenella 26: 245–253
Platanista 32: 105–126
Eubalaena 36: 49–87
Spinal cord, *Eubalaena* 13: 231–251
Physeteridae 35: 47–56
Trigeminal nerve, Physeteridae 35: 47–56
Dorsal vagal nucleus, *Physeter* 25: 241–249
Acoustic system 2: 1–20, 21: 95–123
Organ of hearing 2: 21–30, 8: 1–79
Labyrinth 14: 291–304
Sinus hair, *Balaenoptera borealis* 1: 41–47
Sensory tubercle, lip 3: 1–16
Lingual margin 28: 137–140
Taste buds, *Stenella* 30: 285–290
Tongue, *Sirenia* 32: 127–144
Head section, *Stenella* 19: 105–133
Extrinsic eye muscle 6: 1–33
Masseter, *Megaptera* 17: 49–52
Heart, conducting system 9: 11–35
cardiac nerve, *Berardius* 7: 1–22
Larynx 3: 23–62
Air-sac, *Histriophoca* and *Phoca* 29: 129–135
Lung 6: 35–47
Parathyroid, *Platanista* 30: 281–284
Abdominal cavity, iconography 5: 17–39
Hepato-pancreatic, *Inia* 36: 89–95
Stomach 23: 91–101, *Inia* 33: 69–81
Renculi 13: 253–267

Anal tonssil, Platanistidae 29: 95–100
 Ovary 38: 75–89
 Corpus luteum, *Callorhinus* 29: 121–128
 Red bone marrow, *B. physalus* 3: 17–22
 Embryo, *Stenella* 10: 1–68, 16: 83–87
 Size of cell 13: 269–301
 Epidermal cyst 31: 93–94

Body and organ weight

Eubalaena glacialis 13: 1–52, 21: 1–78
Balaenoptera musculus 3: 132–190, 4: 184–209, 125–183
B. musculus brevicauda 22: 1–27
B. physalus 3: 132–190, 4: 184–209, 7: 125–183
B. borealis 4: 1–13
B. edeni 10: 133–141
B. acutorostrata 22: 75–125
Megaptera noveangliae 7: 125–183, 14: 49–87
Physeter catodon 4: 1–13, 7: 125–183
Mesoplodon ginkgodens 24: 43–56
Lagenodelphis hosei 25: 251–263
Stenella attenuata 26: 157–226
S. coruleoalba 33: 27–67
Platanista gangetica 24: 87–108, 26: 265–270
Pontoporia blainvillei 26: 265–270
Mirounga leomina 20: 211–212
Dugong dugon 31: 129–132

Age determination

Crystalline lens 3: 132–190, 4: 115–161
 Baleen plates 4: 162–183, 6: 133–152
 Ear plug 12: 23–32, 14: 107–135, 17: 37–48, 18: 29–48
 Baleen whales 7: 87–119
Balaenoptera physalus 13: 155–169, 18: 49–88, 20: 17–82
B. acutorostrata 37: 17–30
Physeter catodon 13: 135–153, 17: 15–35, 20: 1–16
Berardius bairdii 29: 1–20
Globicephala macrorhynchus 35: 57–91
Tursiops truncatus 32: 39–66
Stenella caeruleoalba 8: 133–146, 24: 57–79, 28: 73–106, 29: 21–48
S. attenuata 26: 157–226, 28: 73–106
Platanista gangetica 24: 87–108
Pontoporia blainvillei 31: 45–67
Collorhinus ursinus 17: 191–195
Dugong dugon 30: 301–310
Phoca kurilensis 33: 131–135

Population study

Balaena mysticetus 35: 1–16
Eubalaena glacialis 13: 1–52, 21: 1–78
Eschrichtius robustus 5: 71–79, 13: 201–205, 22:

29–37, 22: 39–43, 26: 1–14
Balaenoptera musculus 3: 132–190, 4: 27–113, 5: 91–167, 6: 73–131, 7: 125–183, 8: 147–213, 37: 155–165
B. physalus 3: 119–131, 3: 132–190, 4: 27–113, 5: 91–167, 6: 73–131, 7: 125–183, 8: 147–213, 11: 85–98, 12: 103–125, 13: 97–133, 13: 145–169, 15: 85–142, 17: 53–65, 18: 1–27, 18: 49–88, 34: 59–91, 37: 1–16
B. borealis 3: 119–131, 4: 27–113, 9: 89–103, 22: 63–74, 34: 59–91, 37: 47–60
B. edeni 3: 106–118, 3: 119–131, 9: 89–103, 9: 165–177, 10: 79–87, 14: 1–33, 16: 7–18, 28: 1–35, 30: 291–300, 34: 59–91
B. acutorostrata 11: 1–37, 11: 181–189, 19: 37–43, 22: 75–125, 37–59, 35: 17–38, 36: 1–34, 36: 35–39, 38: 47–73
Megaptera novaeangliae 4: 27–113, 6: 73–131, 7: 125–183, 8: 81–102, 8: 147–213, 14: 49–87, 15: 1–16, 16: 19–28, 29: 59–85, 30: 245–247, 37: 31–46
Physeter catodon 3: 106–118, 3: 119–131, 4: 27–113, 6: 153–165, 7: 121–124, 7: 125–183, 8: 147–213, 10: 143–149, 11: 39–46, 13: 135–153, 17: 15–35, 19: 1–35, 20: 1–16, 23: 1–25, 35: 39–46, 37: 167–172
Ziphius cavirostris 10: 89–132, 24: 35–41
Berardius 27: 111–137
B. bairdii 10: 89–132, 13: 213–214, 23: 111–122, 29: 1–20, 37: 61–83
Mesoplodon grayi 38: 107–115
Odontoceti 34: 1–47
Oreinus orca 13: 85–96
Globicephala macrorhynchus 35: 57–91
Globicephala macrorhynchus and *G. melaena* 27: 95–110, 36: 97–106
Stenella caeruleoalba 12: 191–192, 22: 159–162, 24: 57–79, 26: 227–243, 28: 73–106, 29: 21–48, 30: 65–115, 36: 107–138
S. attenuata 26: 157–226, 26: 226–243, 28: 73–106, 36: 107–138
Lagenorhynchus obliquoidens 35: 129–157
Lagenodelphis hosei 30: 231–244
Phocoenoides dalli 30: 1–64, 35: 93–105, 35: 107–128, 36: 139–152, 37: 99–102, 38: 125–140
Neophocaena phocaenoides 31: 1–44
Cephalorhynchus commersonii 32: 149–154, 36: 153–164
Platanista gangetica 24: 87–108, 24: 109–115, 27: 81–94, 29: 87–94
 Genetic, toothed whale 38: 141–163
Pontoporia blainvillei 31: 45–67
 School, baleen whales 18: 89–110
 Corpora albicantia 18: 123–148

- Virginal band 21: 85–94
 Counting and measuring, baleen and ventral grooves
 25: 279–292
 Baleen, function 28: 37–55
 Underwater sound 23: 123–128, 33: 83–117
 Epimeletic behavior 28: 141–143
 Marking dolphin 20: 101–107, 24: 81–85
 Human activity disturbing whales 29: 113–120
 History, whaling 21: 125–129
 Color pattern, *Phoca* 25: 301–310
 Growth, *Phoca* 24: 127–144
 Tursiops 37: 85–97
 Neophocaena 37: 85–97
 Foods, *Phoca* 34: 123–136
 Maturity, *Phoca* 37: 173–178
 Pelage, *Historiophoca* 28: 187–197
 Occurrence, phocid seals 28: 175–185
 Distribution, *Phoca* 31: 105–119
 Dugong 31: 133–141
 Trichechus 34: 137–147
 Diving depth, *Callorhinus* 24: 145–148
 Wandering speed, *Erignathus* 31: 121–123
 Gerology 7: 69–77, 8: 103–125, 9: 105–120, 11:
 85–98, 13: 171–184, 14: 89–100, 14: 101–106,
 15: 85–142, 17: 53–65, 17: 67–77, 18: 1–27

Food and feeding

(See also population study)

- Baleen whales 5: 81–90, 12: 33–89, 13: 193–199,
 14: 149–290, 16: 89–103, 17: 157–170, 19: 45–
 51, 20: 109–155, 34: 59–91
Balaena mysticetus 35: 1–16
Balaenoptera borealis 22: 127–152, 22: 153–158,
 25: 219–236, 25–144
B. edeni 7: 79–85, 29: 49–58, 32: 1–23
Megaptera novaeangliae 31: 69–83, 36: 41–47
Eschrichtius robustus 22: 39–43
Physeter catodon 5: 81–90, 11: 139–151, 11: 153–
 161, 18: 111–122, 28: 145–151, 32: 199–218
Kogia simus 38: 171–186
Orcinus orca 29: 107–111
Stenella coeruleoalba 25: 265–275
 Balaenopterids 32: 155–198, 34: 59–91
 Larga Seal 34: 123–136
 Antarctic fish from stomach 12: 225–233
 Stone and alien from stomach 17: 83–91
 Stomach content in relation to chasing time 23:
 27–36
 Energy budget 27: 61–79

Whaling ground, environmental

- 9: 179–187, 11: 163–179, 12: 91–101, 12: 209–
 224, 13: 215–229, 14: 137–143, 15: 143–158,
 16: 105–119, 17: 105–155, 20: 157–210, 26:

- 271–287, 27: 141–157
 Statistical review 25: 105–203
 Pack-ice limit 29: 137–141
 Sighting
 By boat 25: 205–217, 26: 289–302, 30: 117–
 178, 30: 179–195
 By air 23: 37–60

Parasite, scar and skin disease

- Diatom 4: 14–26, 11: 99–132, 13: 185–191, 29:
 101–105, 32: 97–103
 Cyamus 28: 153–160
 Barnacle 22: 39–43, 37: 129–153
 White scar 10: 69–77, 26: 145–155
 Skin disease 11: 133–138
 Helminthes 11: 133–138, 28: 161–166
 Marlin spear 14: 149–290 (p.252), 22: 163–164,
 25: 237–239
 Aggressive encounter 31: 95–96
 Parasite, *Euphausia* 30: 311–313

Chemical study

- Enzyme, stomach 1: 3–7
 pancreas 1: 8–10, 1: 11–14, 2: 55–60,
 3: 71–78
 Whale meat, peptone 1: 15–16
 freshness 1: 17–26, 1: 28–30, 2: 31–
 34, 3: 63–70, 5: 1–4, 6: 167–176,
 7: 23–30, 7: 31–36, 9: 1–10
 tryptophane 2: 51–54
 digestion 2: 61–66
 nutrition: 7: 51–67
 amino acid 13: 303–317, 14: 305–326
 methionine 3: 102–105
 Whale blood 1: 38–40, 3: 96–101, 5: 41–47
 Whale milk 10: 151–167
 Vitamin 1: 31–37, 2: 35–41, 5: 53–59, 6: 187–
 191, 7: 47–50
 Kitol 3: 85–88, 3: 89–91, 3: 92–95, 5: 49–51, 5:
 61–69, 6: 193–198, 7: 47–50
 Oil, gas absorption 11: 191–213, 13: 309–321
 molecular distillation 2: 42–45, 2: 46–50
 Oil, *Eubalaena* 17: 171–190
 Physeter 3: 79–84, 7: 37–46
 Mirounga 12: 235–240, 13: 323–332, 20: 213–
 221
 Lipid, *Eubalaena* 18: 173–180
 Fatty acid composition of oil,
 Eubalaena 22: 165–170
 Neopocaena 21: 131–135, 26: 303–306
 Peponocephala 21: 137–141
 Platanista 23: 141–147, 24: 117–125
 Inia 25: 293–299
 Trichechus 26: 307–311

Krill 28: 167–174
Metal, Dugong 31: 125–128
Organochlorine compounds, Dugong 31: 125–126
Mesoplodon 38: 91–105

Miscellaneous

Hybrid 34: 109–121
 Hind limb 8: 127–132, 12: 197–208, 17: 79–81,
 19: 135–136
 Hermaphroditism 8: 215–218
 Siamese twins 38: 165–169
 Prenatal dead fetus 16: 47–60
 Malformed fetus 12: 193–195, 14: 145–147, 23:

139–140, 26: 259–263
 Jacobson's organ 33: 125–126
 Dicephaly fetus 33: 127–129
 Albino 13: 207–209
 Carotinoid body color 31: 97–99
 Deformed jaw 13: 211–212, 31: 101–103
 Vestigial teat 25: 277–278
 Strange organ 27: 139–140
 Electrocardiogram, *Tursiops* 15: 159–165
 Electric shock 6: 177–185
 Compressive strength, dentin 23: 103–110
 Flattened head harpoon 6: 199–207
 Sighting, Fraser's dolphin 38: 187–188



一般財団法人 日本鯨類研究所
 THE INSTITUTE OF CETACEAN RESEARCH