THE SCIENTIFIC REPORTS OF THE WHALES RESEARCH INSTITUTE, TOKYO, JAPAN

NUMBER 1, JUNE 1948

- Akiya, S. and Tejima, S. Studies on digestive enzyme in whale. 3-7
- Akiya, S., Ishikawa, Y., Tejima, S. and Tanzawa, T. Studies on tryptase from a whale (Balaenoptera borealis L.). 8-10
- Akiya, S., Tejima, S. and Ishikawa, Y. Studies on the utilization of whale meat by the use of pancreatic tryptase of whales. 11-14
- Akiya, S. and Kobo, F. The test culture of some microorganisms with whale meat peptone. 15-16
- Nakai, T. Chemical studies on the freshness of whale meat. I. Evaluation of freshness and changes in quantity of several kinds of nitrogen in whale meat following deterioration of freshness. 17-26
- Nakai, T. Chemical studies on the freshness of whale meat. II. On comparison between whale meat and beef on deterioration of freshness and autolysis. 27-30
- Tawara, T. On the simultaneous extraction of vitamin A-D and vitamin B₂ complex from the liver of a fin whale (Nagasu-Kujira, Balaenoptera physalus L.). 31-37
- Tawara, T. Studies on whale blood. I. On the separation of histidine from whale blood. 38-40 Nakai, J. and Shida, T. Sinus-hairs of the sei-whale (Balaenoptera borealis). 41-47

NUMBER 2, DECEMBER 1948

- Ogawa, T. and Arifuku, S. On the acoustic system in the cetacean brains. 1-20
- Yamada, M. Auditory organ of the whalebone whales. (Preliminary report). 21-30
- Nakai, T. Chemical studies on the freshness of whale meat. III. Effect of hydrogen-ion concentration on decrease in freshness and titration curve of whale meat with HCl and Na₂CO₈. 31-34
- Ishikawa, S., Omote, Y. and Soma, Y. Analytical distillation of vitamin A in the whale liver oil. 35-41
- Ishikawa, S., Omote, Y. and Kanno, H. Molecular distillation of sperm whale blubber oil. 42-45
- Kaneko, A. Molecular distillation of fin whale liver oil. 46-50
- Akiya, S. and Takahashi, K. Determination of tryptophane in whale meat. 51-54
- Ishikawa, Y. and Tejima, S. Protein digestive power of sperm whale pancreatic enzyme. 55-60
- Tsukamoto, S. Experiment on digestion of whale meat by koji-mould. 61-66

NUMBER 3, FEBRUARY 1950

- Ogawa, T. and Shida, T. On the sensory tubercles of lips and of oral cavity in the sei and the fin whale. 1-16
- Ohe, T. Distribution of the red marrow in bones of the fin whale. 17-22
- Hosokawa, H. On the cetacean larynx, with special remarks on the laryngeal sack of the sei whale and the aryteno-epiglottideal tube of the sperm whale. 23-62
- Akiba, T., Tsuchiya, T., Umehara, M. and Natsume, Y. Bacteriological studies on freshness of whale meat. (Report No. 1). 63-70
- Ishikawa, Y. Protein digestive power of sperm whale pancreatic enzyme. II. 71-78
- Mori, T. and Saiki, M. Properties of fats and oils contained in various parts of a sperm whale body. 79-84
- Tawara, T. and Fukazawa, R. Studies on kitol. I. Preparation of kitol from whale liver oil. 85-88
- Tawara, T. and Fukazawa, R. Studies on kitol. II. Influence of kitol fraction on the determination of the International Unit of Vitamin A. 89-91
- Tawawa, T. and Fukazawa, R. Studies on kitol. III. The effect of sunlight, air and heat on the vitamin A and kitol fractions. 92-95
- Tawara, T. On the respiratory pigments of whale (Studies on whale blood II.). 96-101

Yoshida, M. Research on methionine in whale. 102-105

Mizue, K. Factory ship whaling around Bonin Islands in 1948. 106-118

Mizue, K. and Jimbo, H. Statistic study of foetuses of whales. 119-131

Nishiwaki, M. and Hayashi, K. Biological survey of fin and blue whales taken in the Antarctic season 1947-48 by the Japanese fleet. 132-190

NUMBER 4, AUGUST 1950

Omura, H. On the body weight of sperm and sei whales located in the adjacent waters of Japan. 1-13 Omura, H. Diatom infection on blue and fin whales in the Antarctic whaling area V (the Ross Sea area). 14-26

Omura, H. Whales in the adjacent waters of Japan. 27-113

Nishiwaki, M. Determination of the age of Antarctic blue and fin whales by the colour changes in crystalline lens. 115-161

Nishiwaki, M. Age characteristics in baleen plates. 162-183

Nishiwaki, M. On the body weight of whales. 184-209

NUMBER 5, JUNE 1951

Akiba, T., Umehara, M. and Natsume, Y. Bacteriological studies on freshness of whale meat. (Report No. II.). 1-4

Hosokawa, H. On the pelvic cartilages of the Balaenoptera-foetuses, with remarks on the specifical and sexual difference. 5-15

Ohe, T. Iconography on the abdominal cavity and viscera of the Balaenoptera, with special remarks upon the peritoneal coverings. 17-39

Akiya, S. and Hoshino, O. Isolation of histidine from whale blood using 3, 4-dichlorobenzene sulfonic acid. 41-47

Tawara, T. and Fukazawa, R. Studies on kitol. IV. Purification of kitol by chromatographie. 49-51 Ishikawa, S., Omote, Y. and Okuda, H. Substances related to vitamin A in the whale liver oil. 53-59

Ishikawa, S., Omote, Y., Kijima, M. and Okuda, H. Thermal decomposition of kitol. 61-69

Mizue, K. Grey whales in the east sea area of Korea. 71-79

Mizue, K. Food of whales (In the adjacent waters of Japan). 81-90

Nishiwaki, M. and Ohe, T. Biological investigation on blue whales (Balaenoptera musculus) and fin whales (Balaenoptera physalus) caught by the Japanese Antarctic whaling fleets. 91-167

NUMBER 6, DECEMBER 1951

Hosokawa, H. On the extrinsic eye muscles of the whale, with special remarks upon the innervation and function of the musculus retractor bulbi. 1-33

Murata, T. Histological studies on the respiratory portions of the lungs of cetacea. 35-47

Kojima, T. On the brain of the sperm whale (Physeter catodon L.). 49-72

Mizue, K. and Murata, T. Biological investigation on the whales caught by the Japanese Antarctic whaling fleets season 1949-50. 73-131

Nishiwaki, M. On the periodic mark on the baleen plates as the sign of annual growth. 133-152

Nishiwaki, M. and Hibiya, T. On the sexual maturity of the sperm whales (*Physeter catodon*) found in the adjacent waters of Japan (I). 153-165

Nakai, T. Chemical studies on freshness of whale meat. IV. Some informations of Archomobacter ubiquitum isolated from whale carcass. 167-176

Nakai, T. and Ono, H. The effects of electric shock and fatigue on post-mortem changes in muscle. 177-185

- Omote, Y. Complete recovery of vitamin A from molecular distillation residue of whale-liver oil. 187-191
- Omote, Y. Chemical structure of kitol (I). Double bonds and hydroxyl groups. 193-198
- Hirata, M. Experimental investigation on flattened head harpoon. An attempt for restraining ricochet. 199-207

NUMBER 7, JULY 1952

- Ogawa, T. On the cardiac nerves of some cetacea, with special reference to those of *Berardius bairdii* Steineger. 1-22
- Akiya, S., Hoshino, O. and Motohashi, N. On an attempt to preserve whale meat freshness with 5-nitro-furfuriden aminoguanidine from decay. 23-30
- Akiya, S. and Sawamura, R. Colorimetric determination of 5-nitro-2-furfuridene aminoguanidine. 31-36 Tomiyama, S. and Takao, M. Studies on utilization of higher fatty alcohol from sperm whale oil. 37-46
- Omote, Y. A rapid method for the separate determination of vitamin A and kitol in the whale-liver oil. 47-50
- Arai, Y. and Sakai, S. Whale meat in nutrition. 51-67
- Yamaguchi, K. and Fujino, K. On the serological constitution of striped dolphin (*Prodelphinus caeruleo-albus* (Meyen)) (I). 67-77
- Nishimoto, S., Tozawa, M. and Kawakami, T. Food of sei whales (Balaenoptera borealis) caught in the Bonin Island waters. 79-85
- Nishiwaki, M. On the age-determination of Mystacoceti, chiefly blue and fin whales. 87-119
- Nishiwaki, M. and Hibiya, T. On the sexual maturity of the sperm whales (*Physeter catodon*) found in the adjacent waters of Japan (II). 121-124
- Ohno, M. and Fujino, K. Biological investigation on the whales caught by the Japanese Antarctic whaling fleets, season 1950/51. 125-188

NUMBER 8, JUNE 1953

- Yamada, M. Contribution to the anatomy of the organ of hearing of whales. 1-79
- Omura, H. Biological study on humpback whales in the Antarctic whaling areas IV and V. 81-102
- Fujino, K. On the serological constitutions of the sei-, fin-, blue- and humpback-whales (I). 103-125
- Ogawa, T. On the presence and disappearance of the hind limb in the cetacean embryos. 127-132
- Nishiwaki, M. and Yagi, T. On the age and the growth of teeth in a dolphin (Prodelphinus caeruleo-albus). (I). 133-146
- Kakuwa, Z., Kawakami, T. and Iguchi, K. Biological investigation on the whales caught by the Japanese Antarctic whaling fleets in the 1951-52 season. 147-213
- Nishiwaki, M. Hermaphroditism in a dolphin (Prodelphinus caeruleo-albus). 215-218

NUMBER 9, JUNE 1954

- Akiya, S., Hoshino, O. and Motohashi, N. Attempt to preserve freshness of whale meat with germicides. II. 1-10
- Ogawa, T. On the musculature of the sinus venosus and its continuation with the so-called conducting system of the whale's heart. 11-35
- Yamada, M. Some remarks on the pygmy sperm whale, Kogia. 37-58
- Yamada, M. An account of a rare porpoise, Feresa Gray from Japan. 59-88
- Omura, H. and Fujino, K. Sei whales in the adjacent waters of Japan. II. Further studies on the external characters. 89-103
- Fujino, K. On the serological constitution of the sperm- and baired beaked-whales (I) Blood groups of

the sperm- and baired beaked-whales. 105-120

Fujino, K. On the body proportions of the fin whales (Balaenoptera physalus (L)) caught in the northern Pacific Ocean (I) (Preliminary report). 121-163

Nishiwaki, M., Hibiya, T. and Kimura, S. On the sexual maturity of the sei whale of the Bonin waters. 165-177

Uda, M. Studies of the relation between the whaling grounds and the hydrographical conditions (I). 179-187

NUMBER 10, JUNE 1955

Hosokawa, H. Cross-sections of a 12-mm. dolphin embryo. 1-68

Nemoto, T. White scars on whales (I) Lamprey marks. 67-77

Omura, H. and Nemoto, T. Sei whales in the adjacent waters of Japan. III. Relation between movement and water temperature of the sea. 79-87

Omura, H., Fujino, K. and Kimura, S. Beaked whale Berardius bairdi of Japan, with notes of Ziphius cavirostris. 89-132

Fujino, K. On the body weight of the sei whales located in the adjacent waters of Japan (II). 133-

Nishiwaki, M. On the sexual maturity of the Antarctic male sperm whale (*Physeter catodon L.*). 143-149

Ohta, K., Watarai, T., Ôishi, T., Ueshiba, Y., Hirose, S., Yoshizawa, T., Akikusa, Y., Satô, M. and Okano, K. Composition of fin whale milk. 151-167

NUMBER 11, JUNE 1956

Omura, H. and Sakiura, H. Studies on the little piked whale from the coast of Japan. 1-37

Nishiwaki, M., Hibiya, T. and Kimura, S. On the sexual maturity of the sperm whale (*Physeter catodon*) found in the North Pacific. 39-46

Fujino, K. On the body proportions of the sperm whales (Physeter catodon). 47-83

Fujino, K. On the serological constitution of the fin whales II. Further studies on blood groups. 85-98

Nemoto, T. On the diatoms of the skin film of whales in the northern Pacific. 99-132

Hoshina, T. and Sugiura, Y. On a skin disease and a nematode parasite of a dolphin, Tursiops truncatus (Montagu, 1821). 133-138

Iwai, E. Descriptions on unidentified species of dibranchiate cephalopods. I. An oegopsiden squid belonging to the genus Architeuthis. 139-151

Iwai, E. Descriptions on unidentified species of dibranchiate cephalopods. II. A cranchiidae squid of the genus Taonius. 153-161

Uda, M. and Nasu, K. Studies of the whaling grounds in the northern sea-region of the Pacific Ocean in relation to the meteorological and oceanographic conditions. (Part I). 163-179

Kimura, S. and Nemoto, T. Note on a minke whale kept alive in aquarium. 181-189

Ishikawa, Y. A characteristic property of whale oils concerning the absorption of gases. I. On the absorption of carbon dioxide by whale oils. 191-213

NUMBER 12, JUNE 1957

Omura, H. Osteological study of the little piked whale from the coast of Japan. 1-21

Nishiwaki, M. Age characteristics of ear plugs of whales. 23-32

Nemoto, T. Foods of baleen whales in the northern Pacific. 33-89

Nasu, K. Oceanographic conditions of the whaling grounds in the waters adjacent to Aleutian Islands and the Bering Sea in summer of 1955. 91-101

Kimura, S. The twinning in southern fin whales. 103-125

Ichihara, T. An application of linear discriminant function to external measurements of fin whale. 127–189

Nishiwaki, M. Very small embryo of cetacea. 191-192

Nishiwaki, M. One-eyed monster of fin whale. 193-195

Ogawa, T. and Kamiya, T. A case of the cachalot with protruded rudimentary hind limbs. 197-208 Uda, M. and Dairokuno, A. Studies of the relation between the whaling grounds and the hydrographic conditions. II. A study of the relation between the whaling grounds off Kinkazan and the boundary of water masses. 209-224

Abe, T. Notes on fishes from the stomachs of whales taken in the Antarctic. I. Xenocyttus nemotoi, a new genus and new species of zeomorph fish of the subfamily Oreosonimae Goode and Bean, 1895. 225-233

Tsuyuki, H. On the oils contained in various blubbers of northern elephant seal, Mirounga angustirostris. 235-240

NUMBER 13, SEPTEMBER 1958

Omura, H. North Pacific right whale. 1-52

Nishiwaki, M. and Kamiya, T. A beaked whale Mesoplodon stranded at Oiso Beach, Japan. 53-83

Nishiwaki, M. and Handa, C. Killer whales caught in the coastal waters off Japan for recent 10 years. 85-96

Ohsumi, S. (Kimura), Nishiwaki, M. and Hibiya, T. Growth of fin whale in the northern Pacific. 97-133

Nishiwaki, M., Hibiya, T. and Ohsumi, S. (Kimura). Age study of sperm whale based on reading of tooth laminations. 135-153

Nishiwaki, M., Ichihara, T. and Ohsumi, S. (Kimura). Age studies of fin whale based on ear plug. 155-169

Fujino, K. On the serological constitution of fin whale. III. Human B blood group substances in erythrocytes and some notes on anti-fin Ju specific antibodies. 171-184

Nemoto, T. Cocconeis diatoms infected on whales in the Antarctic. 185-191

Nemoto, T. and Nasu, K. Thysanoessa macrura as a food of baleen whales in the Antarctic. 193-199

Ichihara, T. Gray whale observed in the Bering Sea. 201-205

Ohsumi, S. (Kimura). A descendant of Moby Dick or a white sperm whale. 207-209

Nasu, K. Deformed lower jaw of sperm whale. 211-212.

Omura, H. Note on embryo of Baird's beaked whale. 231-214

Uda, M. and Suzuki, N. Studies of the relation between the whaling grounds and the hydrographic conditions. III. The averaged conditions of the whaling grounds and their trends of variation during 1946-55. 215-229

Seki, Y. Observations on the spinal cord of the right whale. 231-251

Kamiya, T. How to count the renculi of the cetacean kidneys, with special regard to the kidney of the right whale. 253-267

Hosokawa, H. and Sekino, T. Comparison of the size of cells and some histological formations between whales and man. 269-301

Ogawa, T., Tsunoda, T. and Osawa, M. Amino acid composition of whale meat. 303-307

Ishikawa, Y. A characteristic property of whale oils concerning the absorption of gases. II. On the absorption of nitrogen by whale oils. 309-321.

Tsuyuki, H. Component fatty acids of northern elephant seal oil. 323-332

NUMBER 14, SEPTEMBER 1959

Omura, H. Bryde's whale from the coast of Japan. 1-33

Nishiwaki, M. and Kamiya, T. Mesoplodon stejnegeri from the coast of Japan. 35-48

Nishiwaki, M. Humpback whales in Ryukyuan waters. 49-87

Cushing, John E., Fujino, K. and Takahashi, K. Glycerol-freezing technique as an aid in blood typing of whales. 89-100

Fujino, K. and Cushing, John E. Blood typing of dried whale erythrocytes with ¹⁸¹I labelled antibody. 101-106

Ichihara, T. Formation mechanism of ear plug in baleen whales in relation to glove-finger. 107-135

Nasu, K. Surface water condition in the Antarctic whaling Pacific area in 1956-57. 137-143

Ohsumi, S. (Kimura). A deformed fin whale foetus. 145-147

Nemoto, T. Food of baleen whales with reference to whale mevements. 149-290

Yamada, M. and Yoshizaki, F. Osseous labyrinth of cetacea. 291-304

Nakai, T. Distribution of amino acid in proteins from various parts of whale body. 305-326

NUMBER 15, NOVEMBER 1960

Nishiwaki, M. Ryukyuan humpback whaling in 1960. 1-16

Ohsumi, S. Relative growth of the fin whale, Balaenoptera physalus (Linn.). 17-84

Fujino, K. Immunogenetic and marking approaches to identifying subpopulations of the North Pacific whales. 85-142

Nasu, K. Oceanographic investigation in the Chukchi Sea during the summer of 1958. 143-158

Tokita, K. and ECG Research Group. Electrocardiographical studies on bottlenosed dolphin (Tursiops truncatus). 159-165

NUMBER 16, MARCH 1962

Omura, H. Bryde's whale occurs on the coast of Brazil. 1-5

Omura, H. Further information on Bryde's whale from the coast of Japan. 7-18

Nishiwaki, M. Ryukyuan whaling in 1961. 19-28

Nemoto, T. A secondary sexual character of fin whales. 29-34

Omura, H., Nishiwaki, M., Ichihara, T. and Kasuya, T. Osteological note of a sperm whale. 35-45

Ichihara, T. Prenatal dead foetus of baleen whales. 47-60

Nishiwaki, M. Mesoplodon bowdoini stranded at Akita Beach, Sea of Japan. 61-77

Nishiwaki, M. Observation on two mandibles of Mesoplodon. 79-82

Sinclair, John. An early dolphin embryo (Stenella caeruleoalbus) in serial sections. 83-87

Nemoto, T. Food of baleen whales collected in recent Japanese Antarctic whaling expeditions. 89-103

Uda, M. Subarctic oceanography in relation to whaling and salmon fisheries. 105-119

NUMBER 17, FEBRUARY 1963

Nishiwaki, M., Ohsumi, S. and Maeda, T. Change of form in the sperm whale accompanied with growth. 1-14

Ohsumi, S., Kasuya, T. and Nishiwaki, M. The accumulation rate of dentinal growth layers in the maxillary tooth of the sperm whale. 15-35

Ichihara, T. Photometric method for counting laminae in ear plug of baleen whale. 37-48

Yoshikawa, T. and Suzuki, T. The lamination of the masseter of the humpback whale. 49-52

Fujino, K. Intra-uterine selection due to maternal-foetal in compatibility of blood type in the whales. 53-65

Cushing, John E., Fujino, K. and Calaprice, N. The Ju blood typing system of the sperm whale and specific soluble substances. 67-77

Nemoto, T. New records of sperm whales with protruded rudimentary hind limbs. 79-81

Nemoto, T. and Nasu, K. Stones and other aliens in the stomachs of sperm whales in the Bering Sea. 83-91

Nishiwaki, M. Taxonomical consideration on genera of Delphinidae. 93-103

- Nasu, K. Oceanography and whaling ground in the subarctic region of the Pacific Ocean. 105-155
- Nemoto, T. Some aspects of the distribution of Calanus cristatus and C. plumchrus in the Bering and its neighbouring waters, with reference to the feeding of baleen whales. 157-170
- Tsuyuki, H. and Naruse, U. Studies on the oil of black right whale in the northern Pacific Ocean.
- Yagi, T., Nishiwaki, M. and Nakajima, M. A preliminary study on the method of time marking with leadsalt and tetracycline on the teeth of northern fur seal. 191-195

NUMBER 18, MARCH 1964

- Fujino, K. Fin whale subpopulations in the Antarctic whaling areas II, III and IV. 1-27
- Ichihara, T. Prenatal development of ear plug in baleen whales. 29-48
- Ohsumi, S. Examination on age determination of the whale. 49-88
- Nemoto, T. School of baleen whales in the feeding areas. 89-110
- Okutani, T. and Nemoto, T. Squids as the food of sperm whales in the Bering Sea and Alaskan Gulf. 111-122
- Ohsumi, S. Comparison of maturity and accumulation rate of corpora albicantia between the left and right ovaries in cetacea. 123-148
- Omura, H. A systematic study of the hyoid bones in the baleen whales. 149-170
- Nishiwaki, M. Revision of the article "Taxonomical consideration on genera of *Delphinidae*" in No. 17. 171-172
- Tsuyuki, H. and Naruse, U. Studies on the lipids in brain of black right whale in the northern Pacific Ocean. 173-180

NUMBER 19, APRIL 1965

- Ohsumi, S. Reproduction of the sperm whale in the north-west Pacific. 1-35
- Kasuya, T. and Ichihara, T. Some informations on minke whales from the Antarctic. 37-43
- Nemoto, T. and Kasuya, T. Foods of baleen whales in the Gulf of Alaska of the North Pacific. 45-51
- Nishiwaki, M., Nakajima, M., and Kamiya, T. A rare species of dolphin (Stenella attenuata) from Arari, Japan. 53-64
- Nishiwaki, M., Kasuya, T., Tobayama, T., Kamiya, T. and Nakajima, M. Feresa attenuata captured at the Pacific Coast of Japan in 1963. 65-90
- Nakajima, M. and Nishiwaki, M. The first occurrence of a porpoise (Electra electra) in Japan. 91-104
- Hosokawa, H. and Kamiya, T. Sections of the dolphin's head (Stenella caeruleoalba). 105-133
- Ohsumi, S. A dolphin (Stenella caeruleoalba) with protruded rudimentary hind limbs. 135-136

NUMBER 20, SEPTEMBER 1966

- Ohsumi, S. Sexual segregation of the sperm whale in the North Pacific. 1-16
- Ichihara, T. Criterion for determining age of fin whale with reference to ear plug and baleen plate. 17-82
- Kasuya, T. Caryotype of a sei whale. 83-88
- Kasuya, T. and Ohsumi, S. A secondary sexual character of the sperm whale. 89-94
- Nishiwaki, M. and Norris, K. S. A new genus, Peponocephala, for the odontoceti cetacean species Electra electra. 95-100
- Nishiwaki, M., Nakajima, M. and Tobayama, T. Preliminary experiments for dolphin marking. 101-
- Nemoto, T. Thysanoessa euphausiids, comparative morphology, allomorphosis and ecology. 109-155
- Nasu, K. Fishery oceanographic study on the baleen whaling grounds. 157-210
- Ichihara, T. and Nishiwaki, M. External measurements and weight of a southern elephant seal. 211-212

Tsuyuki, H. and Itoh, S. Studies on the oils contained in blubber of a southern elephant seal. 213-221

NUMBER 21, JUNE 1969

- Omura, H., Ohsumi, S., Nemoto, T., Nasu, K. and Kasuya, T. Black right whales in the North Pacific.
- Nishiwaki, M. and Hasegawa, Y. The discovery of the right whale skull in the Kisagata shell bed. 79-84
- Ohsumi, S. Occurrence and rupture of varginal band in the fin, sei, and blue whales. 85-94
- Hosokawa, H., Igarashi, S., Kamiya, T. and Hirosawa, K. Morphological characteristics and myelinization of acoustic system in the dolphins (Stenella caeruleoalba). 95-123
- Mol, T. and van Bree, P.J.H. A short contribution to the history of whaling in Japan during the 17th century. 125-129
- Tsuyuki, H. and Itoh, S. Fatty acid composition of finless porpoise oil. 131-135
- Tsuyuki, H. and Itoh, S. Fatty acid composition of many toothed pilot whale oil. 137-141

NUMBER 22, JUNE 1970

- Omura, H., Ichihara, T. and Kasuya, T. Osteology of pygmy blue whale with additional information on external and other characteristics. 1-27
- Nishiwaki, M. and Kasuya, T. Recent record of gray whale in the adjacent waters of Japan and a consideration on its migration. 29-37
- Kasuya, T. and Rice, D. W. Note on baleen plates and on arrangement of parasitic barnacles of gray whale. 39-43
- Nishiwaki, M. and Kasuya. T. A Greenland right whale caught at Osaka Bay. 45-62
- Nasu, K. and Masaki, Y. Some biological parameters for stock assessment of the Antarctic sei whale. 63-74
- Ohsumi, S., Masaki, Y. and Kawamura, A. Stock of the Antarctic minke whale. 75-125
- Kawamura, A. Food of sei whale taken by Japanese whaling expeditions in the Antarctic season 1967/68. 127-152
- Nemoto, T. and Yoo, K. I. An amphipod, Parathemisto gaudichaudii as a food of the Antarctic sei whale. 153-158
- Tobayama, T., Uchida, S. and Nishiwaki, M. Twin foetuses from a blue white dolphin. 159-162
- Machida, S. A sword-fish sword found from a North Pacific sei whale. 163-164
- Tsuyuki, H. and Itoh, S. Fatty acid components of black right whale oil by gas chromatography. 165-170

NUMBER 23, SEPTEMBER 1971

- Ohsumi, S. Some investigations on the school structure of sperm whale. 1-25
- Kawamura, A. Influence of chasing time to stomach contents of baleen and sperm whales. 27-36
- Kasuya, T. Consideration of distribution and migration of toothed whales off the Pacific coast of Japan based upon aerial sighting record. 37-60
- Omura, H. A comparison of the size of vertebrae among some species of the baleen whales with special reference to whale movements. 61-69
- Omura, H., Nishiwaki, M. and Kasuya, T. Further studies on two skeletons of the black right whale in the North Pacific. 71-81
- Nishiwaki, M. and Kasuya, T. Osteological note of an Antarctic sei whale. 83-89
- Hosokawa, H. and Kamiya, T. Some observations on the cetacean stomachs, with special considerations on the feeding habits of whales. 91-101

- Lugassy, A.A., Korostoff, E. and Rabinowits, J.L. Influence of incremental lines upon the compressive strength of sperm whale dentin. 103-110
- Nishiwaki, M. and Oguro, N. Baird's beaked whales caught on the coast of Japan in recent 10 years. 111-122
- Mizue, K., Nishiwaki, M. and Takemura, A. The underwater sound of Ganges river dolphins (*Platanista gangetica*). 123-128
- Kasuya, T. and Nishiwaki, M. First record of Mesoplodon densirostris from Formosa. 129-137
- Kawamura, A. and Kashita, K. A rare double monster of dolphin, Stenella caeruleoalba. 139-140
- Tsuyuki, H. and Itoh, S. Fatty acid components of Ganges river dolphin oil. 141-147

NUMBER 24, NOVEMBER 1972

- Omura, H. An osteological study of the Cuvier's beaked whale, Ziphius cavirostris, in the northwest Pacific. 1-34
- Nishiwaki, M. and Oguro, N. Catch of the Cuvier's beaked whales off Japan in recent years. 35-41
- Nishiwaki, M., Kasuya, T., Kureha, K. and Oguro, N. Further comments of *Mesoplodon gingkodens*. 43-56
- Kasuya, T. Growth and reproduction of Stenella caeruleoalba based on the age determination by means of dentinal growth layers. 57-79
- Kasuya, T. and Oguro, N. A new tagging method of dolphins. 81-85
- Kasuya, T. Some informations on the growth of the Ganges dolphin with a comment on the Indus dolphin. 87-108
- Kasuya, T. and Aninul Haque, A.K.M. Some informations on the distribution and seasonal movement of the Ganges dolphin. 109-115
- Tsuyuki, H. and Itoh, S. Fatty acid component of various blubber oil of Ganges River dolphin. 117-125 Naito, Y. and Nishiwaki, M. The growth of two species of the harbour seal in the adjacent waters of Hokkaido. 127-144.
- Ichihara, T. and Yoshida, K. Diving depth of northern fur seals in the feeding time. 145-148

NUMBER 25, SEPTEMBER 1973

- Kasuya, T. Systematic consideration of recent toothed whales based on the morphology of tympanoperiotic bone. 1-103
- Omura, H. A review of pelagic whaling operations in the Antarctic based on the effort and catch data in 10° squares of latitude and longitude. 105-203
- Nasu, K. Results of whale sighting by Chiyoda Maru No. 5 in the Pacific sector of the Antarctic and Tasman Sea in the 1966/67 season. 205-217
- Kawamura, A. Food and feeding of sei whale caught in the waters south of 40°N in the North Pacific. 219-236.
- Ohsumi, S. Find of marlin spear from the Antarctic minke whales. 237-239
- Seki, Y. An anatomical study on the lower extension of the dorsal vagal nucleus to the upper cervical cord in the sperm whale. 241-249
- Tobayama, T., Nishiwaki, M. and Yang, H. C. Records of the Fraser's Sarawak dolphin (*Lagenodelphis hosei*) in the western North Pacific. 251-263
- Miyazaki, N., Kusaka, T. and Nishiwaki, M. Food of Stenella caeruleoalba. 265-275
- Nishiwaki, M. Possible vestigial teats of killer whale. 277-278
- Williamson, G.R. Counting and measuring baleen and ventral grooves of whales. 279-292
- Tsuyuki, H. and Itoh, S. Fatty acid component of blubber oil of Amazon River dolphin. 293-299
- Naito, Y. Comparison in colour pattern of two species of harbour seal in adjacent waters of Hokkaido. 301-310

NUMBER 26, NOVEMBER 1974

Omura, H. Possible migration route of the gray whale on the coast of Japan. 1-14

Satake, Y. and Omura, H. A taxonomic study of the minke whale in the Antarctic by means of hyoid bone. 15-24

Kawamura, A. Food and feeding ecology in the southern sei whale. 25-144

McCann, C. Body scarring on cetacea-odontocetes. 145-155

Kasuya, T., Miyazaki, N. and Dawbin, W. H. Growth and reproduction of Stenella attenuata in the Pacific coast of Japan. 157-226

Miyazaki, N., Kasuya, T. and Nishiwaki, M. Distribution and migration of two species of Stenella in the Pacific coast of Japan. 227-243

Kamiya, T. and Pirlot, P. Brain morphogenesis in Stenella coeruleoalba. 245-253

Castello, H. P., Tomo, A. P. and Panizza, J. S. First Antarctic record of a killer whale stranding. 255-258

Kamiya, T. and Miyazaki, N. A malformed embryo of Stenella coeruleoalba. 259-263

Kamiya, T. and Yamasaki, F. Organ weights of *Pontoporia blainvillei* and *Platanista gangetica* (Platanistidae). 265-270

Machida, S. Surface temperature field in the Crozet and Kerguelen whaling grounds. 271-287

Machida, S. The voyage of the Konan Maru No. 16 to the Antarctic whaling grounds. 289-302

Itoh, S. and Tsuyuki, H. Fatty acid component of different blubber oil of finless porpoise. 303-306

Itoh, S. and Tsuyuki, H. Fatty acid component of Senegal manatee fats. 309-311.

Naito, Y. The hyoid bones of two kinds of harbour seals in the adjacent waters of Hokkaido. 313-320

NUMBER 27, SEPTEMBER 1975

Omura, H. Osteological study of the minke whale from the Antarctic. 1-36

Williamson, G. R. Minke whales off Brazil. 37-59

Kawamura, A. A Consideration on an available source of energy and its cost for locomotion in fin whales with special reference to the seasonal migrations. 61-79

Kasuya, T. and Nishiwaki, M. Recent status of the population of Indus dolphin. 81-94

Kasuya, T. Past occurrence of Globicephala melaena in the western North Pacific 95-108

McCann, C. A study of the genus Berardius Duvernoy. 111-137

Nishiwaki, M. and Kureha, K. Strange organ in the anal region of the finless porpoise. 139-140

Machida, S. Distribution of sperm whale catches in the southern Indian Ocean. 141-159