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FIRST RECORD OF AN ALBINO BOTTLENOSE DOLPHIN (*TURSIOPS TRUNCATUS*) IN THE GULF OF MEXICO, WITH A REVIEW OF ANOMALOUSLY WHITE CETACEANS

In June or July 1994, an all-white individual bottlenose dolphin (*Tursiops truncatus*) was sighted in a group of 4–5 dolphins in Little Lake (28°28'8"N, 90°9'3"W) near New Orleans, Louisiana. The water depth was 1.5–1.8 m. The animal was the same size as the normally-pigmented individuals accompanying it and was completely white with no darker pigmentation visible. The group with the white individual was first sighted approximately 50 m from where one of us (JLL) was fishing, then moved as close as 27 m. While slowly swimming, each dolphin raised its head out of the water far enough to expose the eyes (Shane 1990 termed this behavior as "peek"). The white dolphin was observed to have reddish eyes, in sharp contrast to the normally-pigmented eyes of its darker companions. This group of dolphins was observed for a total of 20–30 min and then not seen again. This incident represents the first report of an albino bottlenose dolphin in the Gulf of Mexico.

Reports of anomalously white cetaceans are infrequent. Hain and Leatherwood (1982) reviewed the occurrence of such individuals for 13 cetacean species. We have compiled a list that includes overlooked or recent reports of

Table 1. Records of anomalously white cetaceans.

Date	Location	Reference
Bowhead whale (<i>Balaena mysticetus</i>)		
not available	Arctic	B. Würsig, personal communication
1970–1971	Alaska	McVay (1973) ^a
Southern right whale (<i>Balaena glacialis australis</i>)		
1972–1979	Península Valdés, Argentina	Hain and Leatherwood (1982) ^c ; D. Palacios, personal communication
1992–1995		
1966	Walker Bay, South Africa	Best (1970) ^{a,c}
1969	Walker Bay, South Africa	Best (1970) ^{a,c}
1969	Mossel Bay, South Africa	Best (1970) ^{a,c}
1991	Hermanus, South Africa	Cafiero and Jahoda (1991) ^e ; Carwardine (1994) ^e
not available	southern Australia	Stewart (1978) ^e
Sei whale (<i>Balaenoptera borealis</i>)		
22 January 1974	Indian Ocean	P. Best, personal communication ^f
26 January 1976		
Fin whale (<i>Balaenoptera physalus</i>)		
not available	Mediterranean	Budker (1959) ^a
not available	Antarctic	Budker (1959) ^a
not available	Antarctic	Ogord in Kleinenberg (1936)
Humpback whale (<i>Megaptera novaeangliae</i>)		
1990s	Australia	P. Forestell, personal communication ^{c,e}
Gray whale (<i>Eschrichtius robustus</i>)		
June 1977	Bering Sea	Goebel and Dahlheim (1979) ^{a,c}
12 July 1978	Bering Sea	Goebel and Dahlheim (1979) ^a
6 May 1994	north of Florence, Oregon	B. Lagerquist, personal communication
February 1996	Ojo de Liebre Lagoon, Baja California, Mexico	J. A. Sanchez-Pacheco, personal communication
Sperm whale (<i>Physeter macrocephalus</i>)		
not available	Gulf of Mexico	A. Schiro, personal communication
1902	Azores, Atlantic Ocean	Graves (1961) ^e
1995–1997	Azores, Atlantic Ocean	Whitehead (1995) ^e
		D. Perrine, personal communication
21 August 1951	Pacific coast of Peru	Budker (1959)
19 April 1957	Akkeshi, Japan	Ohsumi (1958) ^a
17 September 1962	northeast United States	Hain and Leatherwood (1982)
1966	southern Gulf of Alaska	Berzin (1971) ^{a,c,e}
not available	Commander Islands, west Bering Sea	Zenkovich (1952) ^{a,c}
1961/1962	Southern Ocean	Gaskin (1972) ^e

Table 1. Continued.

Date	Location	Reference
Long-finned pilot whale (<i>Globicephala melas</i>)		
30 July 1976	Nova Scotia, Canada	Hain and Leatherwood (1982)
19 April 1980	Miðvágur, Faroe Islands	Ryggi (1960) in Bloch (1992)
1895		
1938	Vágur, Faroe Islands	Bloch (1992)
1979	Faroe Bank, Faroe Islands	Bloch (1992)
1983–1984	Hvannasund, Faroe Islands	Bloch (1992)
Spring 1995	southwest of Ireland	A. S. Couperus, personal communication
October 1997	Cape Cod Bay, Massachusetts	Cetacean Video, personal communication
Pilot whale		
not provided	Catalina Island, California	Leatherwood <i>et al.</i> (1976) ^e
Heaviside's dolphin (<i>Cephalorhynchus beavisidii</i>)		
1980–1983	Table Bay, South Africa	Rice and Saayman (1984) ^{e,e}
8 October 1981	Modderivier, South Africa	Best (1988)
Common dolphins (<i>Delphinus spp.</i>)		
not available	Santa Barbara, California	Howorth (1994) ^e ; M. Stack, personal communication ^c
not available	Orange County, California	D. Kelly, personal communication ^e
19 April 1971	off San Clemente Island, California	Hain and Leatherwood (1982)
15 June 1971	off La Jolla, California	Hain and Leatherwood (1982)
January 1996	South Australia	Dasey (1996) ^e
February 1969	Tasman Bay, New Zealand	Webb (1973) ^a
Summer 1970, 1971	Queen Charlotte Sound	Webb (1973) ^{a,c}
28 December 1978	New Zealand	N. Croft photo, courtesy of I. Visser, personal communication ^e
not available	Cape Brett, Bay of Islands, New Zealand	Doak (1981) ^e
April 1961	Cape Sarych, Black Sea	Delamure and Alexeiv (1962)
not available	Gibraltar	Dobbs (1984) ^e
March 1995	Marlborough Sounds, New Zealand	I. Visser, personal communication ^e
Atlantic white-sided dolphin (<i>Lagenorhynchus acutus</i>)		
not available	northeast United States	M. Weinrich, personal communication ^{ec}
1984	Jeffries Ledge, New Hampshire	Swift Tourism, personal communication ^e
Pacific white-sided dolphin (<i>Lagenorhynchus obliquidens</i>)		
1987–1996	Monterey Bay, California	Black (1989) (1994), personal communication
12 July 1954	Baja California, Mexico	Brown and Norris (1956) ^a

Table 1. Continued.

Date	Location	Reference
13 April 1955	South Catalina Island, California	Brown and Norris (1956) ^a
November 1967	Pedro Point, Santa Cruz Island, California	Stacey and Baird (1991) ^e
September 1968	Pedro Point, Santa Cruz Island, California	Hain and Leatherwood (1982)
1992/1993/July 1997	Hokkaido, Japan	T. K. Yamada, personal communication ^e
Dusky dolphin (<i>Lagenorhynchus obscurus</i>) not available	New Zealand	B. Würsig, personal communication
Southern right whale dolphin (<i>Lissodelphis peronii</i>) not available	southwestern Pacific	Watson (1981)
Killer whale (<i>Orcinus orca</i>) 2 January 1942	Washington State	Scheffer and Slipp (1948) ^a
23 August 1923	Chatham Sound, British Columbia	Moran (1924)
1923–1959	British Columbia	Carl (1959) ^{a,c,e}
1 March 1970	Pedder Bay, British Columbia	Ridgway (1979)
not available	Vancouver, British Columbia	Cousteau and Dolé (1972) ^e
1 October 1977	Great Barrier Island, New Zealand	I. Visser, personal communication
31 June 1985 (<i>sic</i>)	Azores, Atlantic Ocean	Pilleri and Pilleri (1987)
Atlantic spotted dolphin (<i>Stenella frontalis</i>) 18 September 1997	Pico, Azores, Atlantic Ocean	R. Seitre, personal communication ^e
Spinner dolphin (<i>Stenella longirostris</i>) June 1993	Midway Island, Pacific Ocean	S. Yin, personal communication
not available	Malaga Bay, Lanai, Hawaii	Pantukhoff (1996) ^e
15 October 1970	eastern tropical Pacific	Hain and Leatherwood (1982)
16 May 1974	eastern tropical Pacific	Hain and Leatherwood (1982)
June 1975	eastern tropical Pacific	Hain and Leatherwood (1982)
11 October 1980	eastern tropical Pacific	Hain and Leatherwood (1982)
July 1992	Pamilacan Island, Bohol, Philippines	M. L. Dolar, personal communication ^e
Rough-toothed dolphin (<i>Steno bredanensis</i>) 1987	Cocos Islands, Costa Rica	M. Webber, personal communication ^e
Bottlenose dolphin (<i>Tursiops truncatus</i>) not available	South Padre Island, Texas	D. Weller, personal communication
not available	Aransas Bay, Texas	L. May, personal communication
June/July 1994	Little Lake, Louisiana	this report

Table 1. Continued.

Date	Location	Reference
not available	outside Gulfport, Mississippi	M. Magaw, personal communication
not available	Georgia	Caldwell and Caldwell (1972) ^d
4 August 1962	St. Helena Sound, South Carolina	Essapian (1962) ^{a,c} ; Gray (1974) ^{c,e}
August 1968	St. Helena Sound, South Carolina	Caldwell <i>et al.</i> (1971) ^e
early 1980's	Cape Hatteras, North Carolina	A. Foreman, personal communication
28 December 1989	Southern California Bight	M. Couffer, personal communication
19 August 1990		
January 1969	Tasman Bay, New Zealand	Webb (1973) ^a
March–May 1996	Sal Island, Cape Verde Islands, northeast Atlantic	F. Wenzel, personal communication ^{c,e}
not available	Harlingen, The Netherlands	Slijper (1962)
Harbor porpoise (<i>Phocoena phocoena</i>)		
28 April 1928	Black Sea	Kleinenberg (1936) ^{a,g}
10 August 1911	Scotland	McIntosh (1912) ^a , Prince (1913)
July 1929	Skagerrak (North Sea)	Peters (1929) ^e , Flower (1929) ^e
Dall's porpoise (<i>Phocoenoides dalli</i>)		
29 July 1980	Kushiro, Japan	Joyce <i>et al.</i> (1982) ^{a,b}
13 August 1980	25 km off Washington State	Joyce <i>et al.</i> (1982) ^{a,b}

^a Cited in Hain and Leatherwood (1982).

^b Originally cited as personal communications, but now published.

^c Multiple individuals or sightings listed.

^d The Caldwells report the possibility that this is the same animal in Essapian (1962).

^e Photograph included.

^f Same individual whale, tagged with Discovery tag that was recovered.

^g Corrects species identification made in Mal'm (1933) of an albino common dolphin. The addresses for personal communication references can be obtained from the authors.

anomalously white cetaceans not found in Hain and Leatherwood (1982) (Table 1). We found that anomalously white individuals have been observed in 20 cetacean species.

As noted by Hain and Leatherwood (1982), costs of this aberrant pigmentation may include reduced heat absorption in colder waters, increased conspicuousness to predators, and impaired visual communication. Social and ecological correlates of visual appearance in cetaceans are discussed in great detail by Madsen and Herman (1980), Würsig *et al.* (1990), Yablokov (1963), and Mitchell (1970).

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ANESTHESIA OF JUVENILE PACIFIC HARBOR SEALS USING PROPOFOL ALONE AND IN COMBINATION WITH ISOFLURANE

Anesthesia of pinnipeds is required for a variety of clinical and research purposes. It is, however, associated with difficulties due primarily to the anatomical and physiological adaptations of these animals to diving (Kooyman *et al.* 1981, Gales 1989). A variety of sedatives and anesthetic agents have