

State or Country: CALIFORNIA Field No. HS3-221 to 227

County: San Diego Map: 1

Locality: San Diego Trough, NW of Los Coronados Ids.

Collections at Lat. 32°30'45" to 32°44' N, Long. 117°28' to 117°40'20" W.

Water: clear, salt

Vegetation: none, except a little floating kelp

Bottom: green mud throughout

Cover: none Temp.:

Shore:

Dist. offshore:

Depth of capture: various Depth of water: ~~surface~~ to 670 fath.

Collected by S/O M.V. "HORIZON": Carl Hubbs, Robt L. Winer, Boyd W. Walker,

Tides: Demarest, Devonport & party Date: XII: 11-12: 1953

Method of capture: 10' & 6' midwater trawls with water net and, diving dredge, dipnet

Orig. preserv.: 10% form. + borax Time: day & night

XII: 17: 1953

This was a demonstration as well as collecting cruise, arranged with Dr. Boyd W. Walker of UCLA and Dr. Demarest Devonport of Santa Barbara College. All fish (except 2, as noted) were saved. Most of the invertebrates were taken by Devonport & party, a few by Walker's party (see each sheet).

Robert L. Winer was technician in charge, assisted by Alan J. Storer.

Running Notes (positions may be computed approximately by reference to locations of collections).

Time P.S. 10 35

Birds

Seal

Birds 1059

1100

1102

1104

Departure from N.E. dock, San Diego Harbor entrance

In vicinity Brown Pelican with several Heermann Gulls

Some W Gulls. 2 Gr. Blue Herons pass over breakwater & harbor entrance. Brandt Cormorants. Calif (?) Gulls.

1 seal in channel. 1 Common Loon. 1 pod of ca 15 seals on basking, with a few flippers, just off tip of Jennings Breakwater.

Just off Pt. Loma: 1 Loon, just Common → S.

Calif. Gulls common up, but not very numerous

Red Phalarope Sev Calif Gulls 1 W. Gull.

Cormorants mostly Brandt, 1 Least-crowned.

at least 1 Ring-bill Gull. Sev Heermann Gulls → S.

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HS3-221-227 HORIZON FIELD NO.

- 1107 Ringbill Gulls. 1 Shearwater-wing Gull ad. very clearly seen.
 2 Heermann Gulls → S. One seems to be feeding.
 1110 Whistling Bury (#1). 6 Brandt Cormorants with + 2 nearby.
 2 W. Gulls. 1 yg. Ringbill Gull.
 1113 1 dk & 1 lt. Fulmar
 1120 Sev. dk Fulmars; a few Calif. Gulls.
 1122 1 great blue shark seen by me clearly almost
 directly down from bow; staid near surface.
 1 Pterodroma flying. Several W. Gulls.
 Another shark at bow (not seen by me).
 1135 1 lt. & 2 dk. Fulmars. Several W. Gulls. One with
 very definite white wing patch, suggesting those
 Heermann Gulls; it was a few birds in full
 adult plumage & was seen with 7x50 glasses
 within 50 feet, looking down as well as out at it.
 Sketch made on ship:



- 1145 Several Ringbill Gulls; 1 yg. W. Gull; 1 lt. & 1 dk.
 Fulmars.
 1150 1 Sea-bird; 1 dk. Fulmar
 1155-1200 1 Bl-f. Albatross; sev. Fulmars (both phases)
 many Gulls, Ringbill & Calif. — all following
 ship.
 1206 Now 2 Bl-f. Albatrosses
 1230 ± 3 small porpoises at bow for several minutes;
 white belly of typical extent; broken in D. nearly
 pure white; a flukes light-gray. All adults.

- 1315 ± Fulmars still behind ship.
 1320 One large sea-bird near ship.
 1335-40 Flock of about 3/8 mile of Stelbricephala;
 mostly adults, but at least 1 small yg., close
 beside an adult; all of considerable no. seen
 closely, had the usual light gray triangular
 saddle with bar from near middle of P
 to behind D. one had the light mark
 invaded by sharp indentations of the dark
 light ground color.

- 1415 1 Bl-f. Albatross
 1450 Mola mola — medium size; at surface near edge of broad
 slick running from horizon to horizon, N-S (seen from
 top of high A frame); 6 Fulmars (5 dark, 1 lt.) also

General notes (con.)

H53-221 to 227 (con.)

(Horizon trip to
San Diego trough)

birds
(con.)

busy feeding near edge of slick; apparently there was a concentration of surface debris, as the birds were picking rapidly at the surface; 2ulls here and for some time almost all adult ~~California~~ California 2ulls. The Fulmars have been with us continuously, with changes (some dropping out, others picked up).

XII:12:1953

0640 - spotted school of dolphins passing about 1/4 mile to port, with light still rather dim. There were perhaps 20 pilot whales (Globicephala), on which the saddle couldn't be seen clearly in the early morning light, closely following a more active group of smaller porpoises, presumably either Delphinus or Lagenorhynchus. There had a submedian somewhat falcate D (too dark to see in fin light. red); No marks seen, but light inadequate; considerable white showed, especially forward, or on that leaved clear. At the time identification as Lagenorhynchus seemed most probable, but later observation near here of Delphinus mixed with Globicephala makes Delphinus a more plausible name. The group headed obliquely into the edge of a long, broad, somewhat irregular N-S slick, where the

(over)

(over)

porpoises spread out for about 1/2 mile and seemed, from rather rapid circling, to be feeding. Most of the blackfish kept to the N but at least one mingled with the smaller sp.

0640-0700 (when trawl was started in) a considerable no. of Fulmars in both phases and Gulls (some and probably mostly Calif. Gulls) were about the ship, with 1 Bl.-f. Petrel.

Birds

0835 After end of haul, as ship had drifted to canyon edge (over a depth of 400 fathoms), saw 1 Mola, about 2 ft. long; 1 Brown Pelican (far out); Fulmars, both types; Gulls (mostly Calif., a few imm. W. Gulls).

Mola

Birds

Globicephala, 0900-0910

Delphinus

Passed directly thru school of Globicephala (40?), followed by about 10-20 dolphins, clearly shown at bow and later at stern to be Delphinus.

Ca. 1000

Schrichtius

Whales sighted about 2 miles to SE. After they had squirted frequently for a minute or 2 I reached the top of the light A frame and counted for 9 blows near one spot, each followed by a fluking. Toward end one exposed whole anterior third. The peduncle was definitely slender and the whales were definitely Grays. (con.)

General notes (con-2)

Eschrichtius (con.) Occasionally spouts in quick succession with several yards apart. The group was probably in the supposedly courtship "play", and judging from similar closer observations, probably contained 4 or more (as the long series of repeatedly blowing would suggest. The count I'd give is 2-2-5. Rattle suddenly the blowing & fluking stopped and the group then disappeared. Hight close watching by 2 from A-frame top and one by party on deck, for a full half-hour, and slightly sporadic watching thereafter, nothing further was seen. At the time a low fog ~~was~~ obscured Pt. Loma, the low shore, and the bay, Los Coronados so it is possible that the whales swam underwater into the fog.

Delphinid 1010± Porpoise splashing about 3/8 mi. to SE. Not seen again.

1043 Linn (probably Common) circled ship twice (reversing direction), then continued S.

Delphinid 1053 Porpoise again splashing about 3/8 mi. to SW. Not seen again.

Birds Still hear to. and det. Fulmars, Calif. Gulls (adults and imm.) and a few
(over)

over

immature W. Gulls.

ca 1345

A few Fulmars as well as Gulls followed into harbor entrance.

Carl L. Hubbs.

Fathometer tracings kept, filed under "Egged."