MCG 5 9 1 5002

UNIVERSITY OF CALIFORNIA

SCRIPPS INSTITUTION OF OCEANOGRAPHY

DOWNWIND EXPEDITION 1957-1958.

LIST OF CORES AND DREDGE SAMPLES.

COPIED FROM SHIPBOARD LOGS.

S.F. BAIRD Oct 57 - Feb 1958

H5[illegible]

May 1958

MCG 1 8 9 5 0 0 2

DOWNWIND EXPEDITION, 1957-1958:
CORES COLLECTED BY THE SPENCER F. BAIRD.

DWBG 1: 24 Oct. 1957, 1019-1145 hrs.; 24° 20'N, 126° 25'W; depth 4150 m.; core length 43 cm.; brown clay. Subdued 50-fm. hills.

BG 2: 25 Oct. 1957, 0912-1050 hrs.; 21° 27.2'N, 126° 43'W; depth 4370 m; core length 105 cm.; brown clay. Subdued 50-fm. hills.

BG 2 B&C: 25 Oct. 1957, 1930-2025 hrs.; 21° 27.2'N, 126° 43'W; depth 2370 fm.; core length, both 29 cm.; brown clay. Small cores on deep-sea camera.

BG 3: 27 Oct. 1957, 1323-1500 hrs.; 17° 01'N, 129° 46'W; depth 4850 m.; core length 144 cm.; brown clay. Near 200-fm. hills.

BG 4: 28 Oct. 1957, 1122-1300 hrs.; 13° 25'N, 130° 18'W; depth 4712 m.; core length 142 cm.; brown radiolarian ooze resting on lighter clay. 50-fm. hills.

BG 5: 29 Oct. 1957, 0506-0633 hrs.; 10° 26'N, 130° 38'W; depth 4733 m.; core length 140 cm.; radiolarian ooze overlying light brown clay. Subdued 50-fm. hills.

BG 6: 29 Oct. 1957, 2057-2230 hrs.; 9° 36'N, 130° 41'W; corrected depth 5003 m.; core length 121 cm.; radiolarian ooze overlying light brown clay overlying dark brown clay. 100-fm. hills.

BG 7: 30 Oct. 1957, 0335-0500 hrs.; 8° 48'N, 130° 48'W; corrected depth 4917 m.; core length 114 cm.; mottled brown clay with perhaps Mn nodules near top.

BG 8: 30 Oct. 1957, 1100-1230 hrs.; 7° 51'N, 130° 55'W; corrected depth 5069 m.; core length 150 cm., but approx. 10 cm. is missing from the top of the core because sediment penetrated beyond top of liner and was lost; radiolarian ooze.

BG 9: 30 Oct. 1957, 1327-1455 hrs.; 7° 39'N, 130° 55'W; corrected depth 4950 m.; core length 119 cm.; mottled, brownish-grey radiolarian clay, perhaps from a Middle Tertiary outcrop. Near the top of a high, in an area of 100-fm. hills.

002

BG 10: 30 Oct. 1957, 2050-2220 hrs.; 6° 54'N, 131° 00'W; corrected depth 4340 m.; core length 28 cm.; light brown ooze overlying coherent Middle Tertiary calcareous ooze. Near the top of a 100-fm. rise.

BG 11: 31 Oct. 1957, 0908-1026 hrs.; 5° 26'N, 131° 19'W; corrected depth 4155 m.; core length 74 cm.; winnowed foram. sand overlying more normal calcareous ooze.

BG 12: 1 Nov. 1957, 0836-1005 hrs.; 3° 12'N, 131° 31'W; corrected depth 4438 m.; core length 129 cm.; tan calcareous--siliceous ooze, with alternating darker and lighter layers. Flattish, 20-fm. relief.

BG 12 B: 1 Nov. 1957; 3° 12'N, 131° 31'W; about 1 lb. of badly washed calcareous ooze, collected on the deep-sea camera.

BG 13: 2 Nov. 1957, 0930-1050 hrs.; 1° 1'N, 132° 14'W; corrected depth 4392 m.; core length 129 cm.; white to tan calcareous ooze. 30-fm. relief.

BG 14 (trip core with BP 14): 3 Nov. 1957, 0850-1230 hrs.; 1° 24'S, 131° 30'W; corrected depth 4511 m.; core length 143 cm., but approx. 30 cm. was lost from the top because it penetrated above the liner; calcareous ooze.

BP 14: 3 Nov. 1957, 0850-1230 hrs.; 1° 24'S, 131° 30'W; corrected depth 4511 m.; core length approx. 29 feet; calcareous ooze.

BG 15: 3 Nov. 1957, 1303-1408 hrs.; 3° 2'S, 131° 53'W; corrected depth 3396 m.; core length 73 cm.; foram. sand with few finer constituents. Near the top of a 600-fm. seamount.

BG 16: 5 Nov. 1957, 0830-1105 hrs.; 6° 5'S, 132° 53'W; corrected depth 4855 m.; core length 127 cm.; radiolarian ooze, lighter above, darker below. Near a small hill in an area of low relief.

BG 17: 7 Nov. 1957, 1405-1520 hrs.; 12° 51'S, 135° 13'W; corrected depth 4318 m.; obtained a core approx. 30 cm. long, but lost it after bringing it aboard--catcher sample saved; chocolate clay. Near the base of a 100-fm. rise.

BG 18: 7 Nov. 1957, 1937-2105 hrs.; 13° 37'S, 135° 31'W; corrected depth 4337 m.; core length 106 cm.; chocolate clay with Mn nodules at the top. Low (30-fm.) relief.

BG 19: 8 Nov. 1957, 0743-1020 hrs.; 14° 59'S, 136° 02'W; corrected depth 4465 m.; core length 84 cm.; red clay with Mn nodules at the top.

BG 20: 8 Nov. 1957, 1848-1948 hrs.; 15° 11'S, 136° 23'W; corrected depth 3220 m.; no core. Near the top of a seamount.

BP 21 (nothing in gravity core BG 21): 10 Nov. 1957, 0850-1335 hrs.; 18° 34'S, 141° 21.5'W; corrected depth 4110 m.; core length approx. 18 feet. left in barrel because it could not be extruded, except for a sample from the top and bottom placed in plastic boxes; coarse calcareous sand.

BG 21A and BG 21B (on deep-sea camera): 10 Nov. 1957, 1615-1750 hrs.; 18° 31'S, 141° 23.5'W.; corrected depth 4080 m.; cores each 20 cm. long; brown clay and calcareous sand. About 8 cm. is missing from the top of both cores.

BG 21C: 10 Nov. 1957, 1817-approx. 1900 hrs.; 18° 30'S, 141° 26'W; corrected depth 4080 m.; core length 28 cm.; brown mud resting on calcareous sand.

BG 22: 12 Nov. 1957, 0616-0701 hrs.; 16° 34'S, 145° 51'W; corrected depth 1980 m.; no core. Hilly terrain with 200-fm. relief.

BG 23A and BG 23B (on deep-sea camera): 12 Nov. 1957, approx. 1100-1215 hrs.; 16° 42'S, 145° 48'W; cores each approx. 25 cm. long; calcareous--siliceous silt. Tuamotu Ridge.

BG 23: 12 Nov. 1957, 1336-1412 hrs.; 16° 42'S, 145° 49'W; corrected depth 2190 m.; no sample--apparently hit hard bottom.

BG 24: 13 Nov. 1957, 0700-0725 hrs.; 16° 8'S, 146° 15'W; corrected depth 1310 m.; no sample. Tuamotu Ridge.

BG 25: 14 Nov. 1957, 1916-1937 hrs.; 16° 23'S, 146° 2'W; corrected depth 1380 m.; short core entirely of semiconsolidated Eocene coccolith ooze, stored as a catcher sample. On a 100-fm. rise.

BG 26: 14 Nov. 1957, 2058-2130 hrs.; 16° 35'S, 146° 10'W; corrected depth 1980 m.; no sample. At the base of a rise.

BG 27: 19 Nov. 1957, 1507-1555 hrs.; 18° 9'S, 149° 25'W; corrected depth 2610 m.; core length 69 cm.; brown volcanic mud. Gentle downward slope with 10-20-fm. rises.

BG 28: 19 Nov. 1957, 1931-2220 hrs.; 18° 29'S, 149° 13'W; corrected depth 3940 m., no sample. Very hilly area.

BG 29: 20 Nov. 1957, 0025-0131 hrs.; 18° 48'S, 149° 6'W; corrected depth 3850 m.; no sample, because when the rig surfaced the core-nose, catcher and liner fell out with the contained core (if any). A very little brown mud was smeared on the core barrel.

BG 30A and BG 30B (collected with the triple-corer): 20 Nov. 1957, 0925-1640 hrs.; 19° 50'S, 148° 39'W; corrected depth 4620 m.; 30A is 126 cm. long, 30B is 136 cm. long; red clay. Relatively flat bottom at the base of a seamount. The corer dragged along the bottom and was damaged.

BG 31: 21 Nov. 1957, 0825-1015 hrs.; 21° 45'S, 147° 38'W; corrected depth 4820 m.; core length 77 cm.; red clay. Rather rough topography with 200-fm. relief. The corer came up upside down, tangled in the wire. An unknown amount of sediment washed out from the top of the barrel--the lower part of the core is probably undisturbed, because of its stiffness.

BG 32: 22 Nov. 1957, 1106-1222 hrs.; 24° 5'S, 146° 11'W; corrected depth 4020 m.; core length 44 cm.; a moderately calcareous clay. On the side of a 400-fm. rise.

BG 33: 22 Nov. 1957, 2132-2236 hrs.; 25° 24'S, 147° 05'W; corrected depth 3320 m.; no sample.

BG 34: 22 Nov. 1957, 2321-0033 hrs.; 25° 32'S, 147° 08'W; corrected depth 4100 m.; no sample. At the base of a 400-fm. rise. Corer came up empty, but there was a little red clay smeared on the barrel.

BG 35: 23 Nov. 1957, 1418-1441 hrs.; 25° 56'S, 146° 21'W; corrected depth 1320 m.; a few large calcareous grains, including pteropods. On the top of a guyot.

BG 35A (on the deep-sea camera): 23 Nov. 1957, approx. 1500-1545 hrs.; 25° 57'S, 146° 21'W; corrected depth 1320 m.; about a teaspoonful of pteropod ooze.

BG 36: 23 Nov. 1957, 2022-2132 hrs.; 26° 19'S, 147° 07'W; corrected depth 3680 m.; core length 42 cm.; calcareous ooze. Preliminary examination of the catcher sample indicated that there were two different ages of sediment--white Miocene material and buff Quaternary sediment. Near the base of a 700-fm. hill.

BG 37: 25 Nov. 1957, 0508-0629 hrs.; 29° 09'S, 143° 01'W; corrected depth 4120 m.; one Mn nodule about 4 cm. across and a lump of red clay about the same size. On a 100-fm. hill.

BG 38 (trip core on unsuccessful piston core BP 38): 25 Nov. 1957, 1330-1829 hrs.; 29° 43'S, 142° 23'W; corrected depth 4420 m.; core length 36 cm.; red clay. Subdued 50-fm. relief.

BG 39: 25-26 Nov. 1957, 2305-0042 hrs.; 30° 23'S, 141° 49'W; corrected depth 4560 m.; core length 91 cm.; red clay. No topographic relief.

BG 40: 26 Nov. 1957, 0615-0730 hrs.; 31° 13'S, 141° 12'W; corrected depth 4280 m.; a few small pieces of manganese. Irregular 50-100 fm. relief.

BG 41A and BG 41B (on deep-sea camera): 26 Nov. 1957, 1405-1550 hrs.; 32° 08'S, 140° 30'W; corrected depth 4770 m.; 41A is 17 cm. long and 41B is 26 cm. long; red clay. Subdued 50-fm. relief.

BG 42: 26 Nov. 1957, 1957-2205 hrs.; 32° 34'S, 140° 08'W; corrected depth 4820 m.; no core--a 3-5 foot red clay core slipped from the barrel into the sea. Gentle relief of about 100 fm.

BG 43: 27 Nov. 1957, 0841-1015 hrs.; 34° 01'S, 138° 55'W; corrected depth 4721 m.; small pieces of manganese and about a teaspoonful of red clay. Subdued 100-fm. relief.

BG 44: 27 Nov. 1957, 1448-1635 hrs.; 34° 25'S, 138° 47'W; corrected depth 4860 m.; three small Mn nodules and one manganese-coated pebble. Subdued 50-fm. relief.

BG 45: 27 Nov. 1957, 2232-2315 hrs.; 35° 08'S, 138° 12'W; corrected depth 2520 m.; several fragments of manganese. On top of a seamount.

BG 46: 28 Nov. 1957, 0845-1012 hrs.; 36° 23'S, 137° 15'W; corrected depth 4680 m.; core length 140 cm.; red clay with a Mn nodule on top. Subdued 50-fm. relief.

BG 47: 28 Nov. 1957, 1242-1420 hrs.; 36° 33'S, 137° 24'W; corrected depth approx. 4700 m.; core length 110 cm.; red clay core, slightly calcareous near the top, with Mn nodules on top. Subdued 50-fm. relief.

BG 48: 28 Nov. 1957, 1806-1955 hrs.; 37° 05'S, 137° 00'W; corrected depth 4940 m.; core length 78 cm.; red clay with a Mn nodule on top.

BG 49: 29 Nov. 1957, 0830-1033 hrs.; 38° 51'S, 135° 30'W; corrected depth 5060 m.; core length 133 cm.; red clay at the bottom, becoming tan-coloured toward the top.

BG 50: 29 Nov. 1957, 1335-1520 hrs.; 39° 08'S, 135° 02'W; corrected depth 4980 m.; no core--only a little mud smeared on the core barrel.

BG 51: 29 Nov. 1957, 1807-1940 hrs.; 39° 21'S, 134° 28'W; corrected depth 5030 m.; core length 112 cm.; tan clay overlying darker brown clay. Irregular 100-fm. relief.

BG 52: 30 Nov. 1957, 1817-1955 hrs.; 40° 36'S, 132° 49'W; corrected depth 5120 m.; core length 85 cm.; mottled tan and whitish mud, with Mn nodules near the top. Irregular 100-fm. relief.

BG 53: 1 Dec. 1957, 0815-1000 hrs.; 41° 15'S, 130° 02'W; corrected depth 4960 m.; no core.

BG 54: 1 Dec. 1957, 1404-1540 hrs.; 41° 24'S, 129° 06'W; corrected depth 4880 m.; only a Mn nodule--some sediment was seen to wash out of the corer as it surfaced. Irregular 50-fm. relief.

BG 55: 1 Dec. 1957, 1945-2115 hrs.; 41° 32'S, 128° 15'W; corrected depth 4750 m.; a few fragments of Mn. Subdued 100-fm. relief.

BG 56: 2 Dec. 1957, 0804-0930 hrs.; 42° 16'S, 125° 50'W; corrected depth 4560 m.; core length 95 cm.; brown calcareous clay, lighter near the top, with Mn nodules at the top.

BG 57A and BG 57B (on the deep-sea camera): 2 Dec. 1957, 1810-2020 hrs.; 42° 50'S, 125° 32'W; corrected depth 4560 m.; both cores 25 cm. long; calcareous ooze.

BG 58: 2 Dec. 1957, 2208-0034 hrs.; 43° 07'S, 125° 23'W; corrected depth 4640 m.; core length 82 cm.; mottled brown and whitish clay, with Mn nodule at top. Subdued 50-fm. relief.

BG 59: 3 Dec. 1957, 1210-1340 hrs.; 44° 23'S, 124° 39'W; corrected depth 4500 m.; core length 112 cm.; mottled light and dark brown, with Mn at top. Subdued 50-100 fm. relief.

BG 60: 3 Dec. 1957, 2147-2255 hrs.; 45° 27'S, 124° 01'W; corrected depth 4040 m.; core length 147 cm.; calcareous ooze. Among seamounts.

BG 61: 4 Dec. 1957, 0855-1015 hrs.; 46° 44'S, 123° 01'W; corrected depth 4250 m.; core length 126 cm.; calcareous ooze. Irregular 100-fm. relief. Corer came up upside down, so perhaps a little unconsolidated sediment is missing from the top.

~~BP~~ 61 and BG 61A (piston corer with trip gravity): 4 Dec. 1957, 1715-1955 hrs.; 46° 45'S, 123° 00'W; corrected depth 4040 m.; no sample. Corer did not reach bottom.

BG 62: 5 Dec. 1957, 0612-0719 hrs.; 47° 37'S, 121° 02'W; corrected depth 3800 m.; core length 125 cm.; calcareous ooze. Rough 100-fm. relief.

BG 63: 5 Dec. 1957, 1130-1240 hrs.; 47° 50'S, 120° 32'W; corrected depth 3830 m.; core length 80 cm.; calcareous ooze. Corer came up almost upside down, and thus lost a few cm. from the top of the core, as well as having to put about 20 cm. from the top of the core in a plastic box.

BG 64: 6 Dec. 1957, 0820-0933 hrs.; 46° 43'S, 118° 20'W; corrected depth 3480 m.; core length 102 cm.; calcareous ooze. Irregular 30-fm. relief.

BG 65: 6 Dec. 1957, 1253-1353 hrs.; 47° 11'S, 116° 43'W; corrected depth 3500 m.; core length 146 cm. plus about 35 cm. which protruded above the top of the liner and is stored in three plastic boxes; calcareous ooze. Near base of a 150-fm. rise.

BG 66: 6 Dec. 1957, 1535-1730 hrs.; 47° 16'S, 117° 31'W; corrected depth 2960 m.; no sample (?hard bottom?). On top of a 200-400 fm. rise

BG 67: 6 Dec. 1957, 1840-1916 hrs.; 47° 21'S, 117° 21'W; corrected depth 2100 m.; no sample (?hard bottom?). On top of a seamount.

BG 68: 7 Dec. 1957, 0904-1000 hrs.; 48° 27.5'S, 114° 18'W; corrected depth 2820 m.; core length 144 cm.; tan and whitish calcareous ooze. Irregular 50-fm. relief.

BG 69: 7 Dec. 1957, 1343-1428 hrs.; 48° 28'S, 113° 26'W; corrected depth 2480 m.; no sample. Core-nose was bent by hard bottom. On a 200-fm. rise.

BG 70: 7 Dec. 1957, 1510-1602 hrs.; 48° 28.5'S, 113° 17'W; corrected depth 2580 m.; core length 175 cm. plus 17 cm. which protruded above the top of the liner and is stored in a plastic tube; dark tan and light tan calcareous ooze. Irregular 200-fm. relief.

BG 71: 8 Dec. 1957, 1543-1640 hrs.; 46° 35.5'S, 113° 34'W; corrected depth 2790 m.; core length 86 cm.; calcareous ooze, darker above and lighter below. Irregular 200-fm. relief.

BG 72: 10 Dec. 1957, 0845-0940 hrs.; 44° 27'S, 110° 45'W; corrected depth 3180 m.; total core length approx. 137 cm. (0-43 cm. in a short plastic liner, 43-53 cm. in a plastic box, 53-137 cm. in plastic liner); tan calcareous ooze. Corer came up upside down, some sediment protruded above the main liner, and the sequence is not entirely reliable. Irregular 150-fm. relief.

BG 73: 11 Dec. 1957, 0605-0717 hrs.; 43° 48'S, 108° 09'W; corrected depth 3080 m.; core length 147 cm.; tan calcareous ooze. Irregular 200-fm. relief.

BG 74: 11 Dec. 1957, 0925-1030 hrs.; 43° 43'S, 107° 36'W; corrected depth 3220 m.; core length 120 cm.; tan calcareous ooze. Corer came up upside down, and sediment moved about in liner, so sequence may not be reliable over short intervals. Irregular 100-fm. relief.

BG 75: 11 Dec. 1957, 2004-2109 hrs.; 43° 33'S, 108° 18'W; corrected depth 3650 m.; core length 131 cm.; tan calcareous ooze.

BG 76: 12 Dec. 1957, 0802-0918 hrs.; 43° 45'S, 104° 28'W; corrected depth 3840 m.; core length 135 cm.; tan calcareous ooze, lighter above, darker below.

BG 77: 13 Dec. 1957, 0602-0730 hrs.; 44° 09'S, 101° 34.5'W; corrected depth 3820 m.; core length 116 cm.; tan calcareous ooze, lighter above, darker below. On side of E. Pacific Rise, among 100-fm. hills.

BG 78: 13 Dec. 1957, 1012-1130 hrs.; 44° 08'S, 100° 58'W; corrected depth 4100 m.; core length 113 cm.; tan calcareous ooze, lighter above, darker below. Hilly topography east of E. Pacific Rise.

BG 79: 13 Dec. 1957, 1530-1650 hrs.; 44° 06'S, 100° 04'W; corrected depth 3940 m.; core length 170 cm.; tan calcareous ooze, layered. Eastern side of a 300-fm. trough.

BG 80: 13 Dec. 1957, 2007-2105 hrs.; 44° 04.5'S, 99° 15'W; corrected depth 3540 m.; no sample (?hard bottom?). On a seamount.

BG 81: 14 Dec. 1957, 0852-1000 hrs.; 44° 03'S, 96° 19.5'W; corrected depth 3820 m.; no core. Rough topography east of E. Pacific Rise.

BG 82: 14 Dec. 1957, 1300 hrs.; 44° 04'S, 95° 50.5'W; corrected depth 4240 m.; no sample (apparently did not hit bottom).

BG 83: 14 Dec. 1957, 1635-1800 hrs.; 44° 03.5'S, 95° 42'W; corrected depth 4660 m.; core length 136 cm.; light brown sandy silt overlying darker brown. Smooth trough in rough topography.

BG 84: 15 Dec. 1957, 0604-0730 hrs.; 42° 43.5'S, 96° 06'W; corrected depth 4700 m.; core length 93 cm.; dark brown silty clay. Small plain east of E. Pacific Rise.

BG 85: 15 Dec. 1957, 1438-1645 hrs.; 42° 43'S, 96° 01'W; corrected depth 4660 m.; no sample. This was an attempt with the deep-sea camera.

BG 86: 17 Dec. 1957, 1011-2004 hrs.; 41° 05'S, 86° 39'W; corrected depth 3600 m.; no core in three attempts.

BG 87: 1 Jan. 1958, 1845-1957 hrs.; 23° 24.5'S, 72° 10.5'W; corrected depth 4260 m.; core length 74 cm.; chocolate brown mud overlying light tan clay.

BG 88: 2 Jan. 1958, 1020 hrs.; 23° 18'S, 70° 53'W; corrected depth 3075 m.; core length 62 cm.; green foraminiferal mud.

BG 89: 3 Jan. 1958, 0917 hrs.; 24° 14.5'S, 70° 59'W; corrected depth 2765 m.; core less than 10 cm. long, all contained in core-nose and core-catcher; stiff grey-brown fine micaceous sand.

BG 90: 3 Jan. 1958, 2030 hrs.; 23° 58'S, 70° 51'W; depth approx. 2600 m.; no core. Flat bottom between hilly areas.

BG 91: 4 Jan. 1958, 1822 hrs.; 23° 44.4'S, 72° 06'W; corrected depth 4325 m.; core length 129 cm.; chocolate mud with lighter layers.

BP 92 and BG 92: 5 Jan. 1958, 0930-1740 hrs.; 23° 17.5'S, 71° 22'W; depth approx. 7600 m.; no piston core, gravity core 52 cm. long; blue-grey clay below, browner above. Approximately in axis of trench off Antofagasta.

BG 93: 6 Jan. 1958, 0915-1020 hrs.; 23° 28'S, 72° 58'W; corrected depth 3850 m.; core length 37 cm.; mottled brown clay. Hilly area west of S. American Trough.

BG 94: 6 Jan. 1958, 1542-1640 hrs.; 23° 29.4'S, 72° 58.8'W; corrected depth 3710 m.; core length 60 cm.; brown clay over calcareous ooze.

BG 95A and BG 95B: 7 Jan. 1958, 1200 hrs.; 22° 43'S, 75° 40'W; depth 4600-4900 m.; small amount of sediment, not really a core; brown clay and yellowish-whitish material.

BG 96A and 96B (two attempts): 8 Jan. 1958, 1014-1240 hrs.; 21° 35'S, 79° 07.5'W; corrected depth 4440 m.; 96A is a small amount of brown clay, and 96B is a 44 cm. core of brown clay with lighter layers toward the bottom. Hilly, 200-500 fm. relief.

BG 97A and 97B (two attempts): 8 Jan. 1958, 1916 hrs.; approx. 21° 32'S, 79° 10'W; corrected depths 4520 and 4485 m. respectively; 97A a small amount of red clay, and 97B a 114 cm. core of red clay.

BG 98A-C (three tries): 9 Jan. 1958, 0946-1442 hrs.; 20° 49'S, 81° 08'W; corrected depth 2300 m.; core length (98C) 74 cm.; calcareous ooze. Higher part of a mountainous area.

BG 99: 9 Jan. 1958, 2335 hrs.; 20° 33'S, 81° 51'W; corrected depth 3520 m.; core length 16 cm.; calcareous ooze. Water washed through the core, disturbing it.

BG 100: 10 Jan. 1958, 1810-1915 hrs.; 19° 17'S, 79° 32'W; corrected depth 3640 m.; core length 143 cm.; calcareous ooze. Base of Nasca Ridge, SE side.

BG 101: 11 Jan. 1958, 1253-1403 hrs.; 16° 03'S, 78° 56'W; corrected depth 4280 m.; core length 84 cm.; red clay overlying bluish-green clay.

BG 102: 12 Jan. 1958, 0620-0738 hrs.; 13° 36'S, 79° 07'W; corrected depth 4495 m.; core length 138 cm.; red clay overlying bluish-grey clay

BG 103: 14 Jan. 1958, 0120-0320 hrs.; 12° 37'S, 78° 39'W; corrected depth 5960 m.; core length 46 cm.; greenish-grey clay. Trench bottom off Lima.

BG 104: 15 Jan. 1958, 0045 hrs.; 11° 49'S, 77° 51'W; depth 470 m.; no sample.

BG 105: 18 Jan. 1958, 1820-1840 hrs.; 12° 30'S, 77° 17'W; corrected depth 237 m.; no sample--traces of sand in core-catcher.

BG 106: 18 Jan. 1958, 1920-1940 hrs.; 12° 33'S, 77° 23'W; corrected depth 400 m.; core length 65 cm.; greenish silty sand, highly organic.

BG 107: 18 Jan. 1958, 2107-2125 hrs.; 12° 38'S, 77° 30'W; corrected depth 775 m.; core length 15 cm.; dark sand overlying greenish sandy silt.

BG 108: 19 Jan. 1958, 0033-0108 hrs.; 12° 49'S, 77° 51'W; corrected depth 2300 m.; core length 77 cm.; blackish green mud, darker at top.

BG 109: 19 Jan. 1958, 2133-2320 hrs.; 13° 02'S, 78° 20'W; corrected depth 5860 m.; core length 94 cm.; dark greenish mud, browner at top. Flat bottom of Peruvian trench off Callao.

BG 110A and 110B (two attempts): 20 Jan. 1958, 0814-1050 hrs.; 12° 53'S, 78° 06.5'W; corrected depth 3952 m.; core length 30 cm.; stiff, greenish black mud. Small flat area.

BG 111: 20 Jan. 1958, 1630-1729 hrs.; 12° 53'S, 78° 05.5'W; corrected depth 3520 m.; no sample.

BG 112: 22 Jan. 1958, 1440-1545 hrs.; 18° 29'S, 78° 17.5'W; corrected depth 4260 m.; small amount light brown clay scraped off ball-breaker.

BG 113: 22 Jan. 1958, 2020-2200 hrs.; 18° 26'S, 78° 17'W; corrected depth 4150 m.; no core.

BG 114: 23 Jan. 1958, 0650-0805 hrs.; 18° 20'S, 79° 20.5'W. corrected depth 3090 m.; core length 138 cm.; calcareous ooze.

BG ~~115A and~~ 115B (two attempts): 24 Jan. 1958, 0703-0950 hrs.; 18° 59.8'S, 81° 26.6'W; corrected depth 4340 m.; core length 170 cm. plus 5 or 6 cm. which protruded above top of liner; brownish clay with lighter zones.

BP 116 and BG 116: 27 Jan. 1958, 0712-1010 hrs.; 27° 05'S, 88° 48'W; corrected depth 3860 m.; BP116 was 10 cm. long, and BG 116 was 34 cm. long; red clay. BP116 stored in a glass jar.

BG 117A and 117B (two attempts): 27 Jan. 1958, 1520 hrs.; 27° 05'S, 88° 53'W; corrected depth for 117A 3780 m., for 117B 4044 m.; 117A is 25 cm. long, 117B approx. 5 cm. long.

BP 118B and BG 118A: 29 Jan. 1958, 0520-0910 hrs.; 28° 02'S, 96° 20'W; corrected depth 3425 m.; no piston core, gravity core 52 cm. long; brown foraminiferal clay.

BG 118C: 29 Jan. 1958, 0927-1020 hrs.; 28° 02'S, 96° 20'W; corrected depth 3400 m.; core length 73 cm.; red clay with foraminifera.

BP 119 and BG 119: 1 Feb. 1958, 0815-1048 hrs.; 27° 54'S, 106° 53'W; corrected depth 3200 m.; piston core approx. 28 feet, gravity core 20 cm.; foraminiferal red clay.

BG 120: 1 Feb. 1958, 1625-1714 hrs.; 27° 56'S, 106° 55'W; corrected depth 3060 m.; core length 131 cm.; clayey foram. ooze.

BG 121: 3 Feb. 1958, 2130-2228 hrs.; 27° 09'S, 109° 50'W; corrected depth 3320 m.; core length 91 cm.; brown clay with foraminifera.

BG 122A-C (three attempts): 5 Feb. 1958, 0915-1310 hrs.; 26° 35'S, 114° 52'W; corrected depth 2290-2800 m.; no sample, except for some Mn grains and forams in the core-catcher.

BG 123: 5 Feb. 1958, 1950-2042 hrs.; 26° 13'S, 115° 43'W; corrected depth 2580 m.; core length 76 cm.; clayey foram. ooze. Upper part of core disturbed.

BG 124 (five attempts): 7 Feb. 1958, 23° 18'S, 117° 49'W; depth 2500-3400 m.; no sample. Over a seamount.

BG 125: 7 Feb. 1958, 1752-1855 hrs.; 23° 14'S, 117° 48'W; corrected depth 3500 m.; core length 17 cm.; dark brown clay with forams. Flat area in generally mountainous region.

BG 126A and 126B (two attempts): 9 Feb. 1958, 0817-1315 hrs.; 20° 18'S, 113° 45'W; corrected depths 3090 and 3000 m. respectively; no core--only a few angular shards and forams. Moderately hilly--200 fm. relief.

BP 127: 9 Feb. 1958, 0932-1205 hrs.; 20° 18'S, 113° 46'W; corrected depth 3140 m.; about 1 quart of rock fragments and muddy, volcanic foram. sand.

BG 128: 9 Feb. 1958, 1750-1944 hrs.; 20° 18'S, 113° 50'W; corrected depth 3220 m.; core length 31 cm.; brown foram. mud. Core probably disturbed.

BG 129: 11 Feb. 1958, 0752-0841 hrs.; 14° 44.5'S, 112° 11'W; corrected depth 3100 m.; no sample--core barrel lost.

BG 130: 11 Feb. 1958, 1406-1455 hrs.; 14° 44'S, 112° 06'W; corrected depth 3120 m.; core length 122 cm.; calcareous ooze. Irregular hills, less than 100 fm. relief.

BP 131 and BG 131: 11 Feb. 1958, 1725-2020 hrs.; 14° 44'S, 112° 04'W; corrected depth 3090 m.; no gravity core, piston core approx. 20 ft. long; foram. sand.

BG 132A and 132B (two attempts): 13 Feb. 1958, 0631-0830 hrs.; 13° 32'S, 108° 31'W; corrected depth 3440 m.; core length 106 cm.; foram. ooze.

BG 133: 13 Feb. 1958, 1440-1540 hrs.; 13° 29'S, 108° 34'W; corrected depth 3720 m.; core length 28 cm.; calcareous ooze. For G. Shumway.

BP 134 and BG 134: 14 Feb. 1958, 0940-1245 hrs.; 11° 42'S, 109° 43'W; corrected depth 3230 m.; no gravity core, piston core approx. 20 feet long; calcareous ooze. Hilly, with less than 100 fm. relief.

BG 135: 14 Feb. 1958, 1640-1728 hrs.; 11° 38'S, 109° 49'W; corrected depth 3230 m.; core length 133 cm.; calcareous ooze.

BG 136: 15 Feb. 1958, 0622-0735 hrs.; 10° 03'S; 110° 37'W; corrected depth 3200 m.; core length 95 cm.; brown foraminiferal clay. Hilly, with approx. 400 fm. relief.

BG 137: 15 Feb. 1958, 1937-2027 hrs.; 09° 53'S, 110° 41'W; corrected depth 2770 m.; core length 161 cm.; dark brown foram. mud. Irregular topography.

BG 138: 16 Feb. 1958, 1521-1620 hrs.; 8° 11'S, 110° 50'W; corrected depth 3350 m.; core length 138 cm.; tan foram. ooze. Hilly topography.

BG 139: 17 Feb. 1958, 0553-0654 hrs.; 6° 12'S, 112° 16'W; corrected depth 3890 m.; core length 107 cm.; tan foram. ooze. Mountainous, 400 fm. relief.

BG 140: 17 Feb. 1958, 1318-1430 hrs.; 5° 55'S, 112° 31'W; corrected depth 4120 m.; core length 122 cm.; foram. ooze. Hilly.

BG 141: 18 Feb. 1958, 0601-0725 hrs.; 3° 42'S, 114° 09'W; corrected depth approx. 4400 m.; core length 43 cm.; mottled tan and white clay. Low hills.

BG 142: 18 Feb. 1958, 1255-1410 hrs.; 3° 38.5'S, 114° 15.5'W; corrected depth 4380 m.; no sample. Hilly.

BP 143 and BG 143: 18 Feb. 1958, 1440-1820 hrs.; 3° 37'S, 114° 18'W; corrected depth 4310 m.; BP 143 approx. 25 feet long, BG 143 is 128 cm. long; calcareous ooze. Hilly.

BG 144: 19 Feb. 1958, 0905-1025 hrs.; 1° 14'S, 115° 46'W; corrected depth 4200 m.; core length 112 cm.; light tan ooze over pale bluish grey ooze. Very little relief.

BG 145A and 145B (two attempts): 19 Feb. 1958, 2125-2342 hrs.; 00° 32'N, 115° 50.5'W; corrected depth 4000 m.; no sample--apparently hit hard bottom. Flat bottom--negligible relief.

BG 146: 20 Feb. 1958, 0615-0750 hrs.; 1° 30'N, 115° 52'W; corrected depth 3780 m.; no sample--corer did not reach bottom.

~~BG 147A~~ and 147B (two attempts): 20 Feb. 1958, 1237-1500 hrs.; 1° 27'N, 116° 13'W; corrected depth 4000 m.; core length (147B) 111 cm.; calcareous ooze with small Mn nodule on top. At base of 300 m. hill.

BG 148: 21 Feb. 1958, 0552-0700 hrs.; 4° 07'N, 115° 38'W; corrected depth 4180 m.; core length 15 cm.; brown foraminiferal clay. Core may be disturbed (washed). Flat bottom.

BP 149 and BG 149: 21 Feb. 1958, 1309-1610 hrs.; 4° 08'N, 115° 46'W; corrected depth 4160 m.; BP 149 is 19½ feet long. BG 149 is 126 cm. long; calcareous ooze. Nearly flat bottom. Part of the piston core may be disturbed during extrusion.

DOWNWIND EXPEDITION, 1957-1958:
CORES COLLECTED BY THE HORIZON.

DWHH 1: 22 Oct. 1957, 1706-1930 hrs.; 29° 25.5'N, 120° 26.5'W; corrected depth 4020 m.; core length 27 cm.; dark brown pelagic clay. Top few cm. lost in recovery of core.

HG 2: 23 Oct. 1957, 1938-2111 hrs.; 26° 45'N, 123° 00'W; corrected depth 4280 m.; no sample--smears of brown clay on barrel. Hilly.

HH 3: 23 Oct. 1957, 2209 hrs.; 26° 45'N, 123° 00'W; corrected depth 3900 m.; no sample.

HH 4: 25 Oct. 1957, 0406-0715 hrs.; 24° 22'N, 125° 00'W; corrected depth 4330 m.; core 54 cm. long.; dark brown pelagic clay. Hilly. Top of core very disturbed.

HH 5: 28 Oct. 1957, 1100-1515 hrs.; 15° 00'N, 127° 35'W; corrected depth 3907 m.; no sample--may not have reached bottom.

HH 7: 29 Oct. 1957, 1140 hrs.; approx. 11° 05'N, 128° 34'W; corrected depth 4770 m.; core length 67 cm.; foram. ooze overlying red clay, and a Mn nodule caught in the ball-breaker. Subdued hills.

HT 8 (with triple corer): 30 Oct. 1957, 1320-1639 hrs.; 9° 03'N, 129° 00'W; corrected depth 4650 m.; length of 8a is 78 cm., of 8b is 75 cm.; of 8c is 84 cm.; calcareous ooze and red clay. Subdued hills.

HH 9: 31 Oct. 1957, 0945-1330 hrs.; 7° 15'N, 129° 15'W; corrected depth 4340 m.; no sample. ~~Clarion~~ Clarion fracture zone.

HH 10: 2 Nov. 1957, 0100-0345 hrs.; 3° 20'N, 130° 37'W; corrected depth 4490 m.; core length 63 cm.; red clay and calcareous ooze. Subdued hills.

HH 11: 3 Nov. 1957, 2151-2400 hrs.; 2° 08'S, 131° 28'W; corrected depth 4540 m.; core length 57 cm.; calcareous ooze. Subdued hills.

HH 12: 5 Nov. 1957, 0630-0940 hrs.; 6° 02'S, 131° 36'W; corrected depth approx. 4700 m.; core length 63 cm.; chocolate clay. Subdued hills.

HH 13: 6 Nov. 1957, 1410-1630 hrs.; 9° 59'S, 133° 23'W; corrected depth 4340 m.; core length 50 cm.; calcareous ooze over chocolate clay. Subdued hills.

HH 14: 8 Nov. 1957, 0210-0445 hrs.; 14° 28'S, 135° 29'W; corrected depth 4400 m.; core length 47 cm.; chocolate calcareous clay. Hills and filled basins.

HG 17: 15 Nov. 1957, 0735 hrs.; 16° 47'S, 148° 29'W; corrected depth 4200 m.; core length 69 cm.; chocolate silt and clay with forams and Mn. Plain.

HG 18: 19 Nov. 1957, 2243-2400 hrs.; 19° 21'S, 149° 20'W; corrected depth 4260 m.; no sample except a few sand grains--apparently hit hard bottom. Fault graben.

HH 19: 20 Nov. 1957, 0300-0700 hrs.; 19° 20'S, 149° 20'W; corrected depth 3860 m.; core length 47 cm.; foraminiferal silty clay. Core disturbed--corer came up upside down and core contained water pockets.

HG 20: 20 Nov. 1957, 0920 hrs.; 19° 36'S, 149° 11'W; corrected depth 4670 m.; core length 110 cm.; chocolate clay. Fault graben.

HG 22: 21 Nov. 1957, 0530-0715 hrs.; 21° 26'S, 148° 21'W; corrected depth 4470 m.; no sample--black smear on core nose. Hilly.

HG 23: 22 Nov. 1957, 1035-1205 hrs.; 24° 19'S, 145° 22'W; corrected depth 4600 m.; core length 88 cm.; chocolate clay. Subdued hills.

HH 24: 23 Nov. 1957, approx. 0200 hrs.; 24° 56'S, 145° 00'W; corrected depth 4350 m.; core length 22 cm.; chocolate clay. Subdued hills.

HG 26: 24 Nov. 1957, 2310-0045 hrs.; 28° 34'S, 143° 40'W; corrected depth 4240 m.; core length 110 cm.; chocolate clay, lighter near surface. Flat bottom.

HH 27: 26 Nov. 1957, 0440 hrs.; 29° 55'S, 140° 05'W; corrected depth 4360 m.; core length 48 cm.; coccolith ooze overlying chocolate clay. Hilly plain.

HG 29: 27 Nov. 1957, 1305 hrs.; 33° 25'S, 137° 13'W; corrected depth 4710 m.; no sample--probably did not hit bottom.

HH 30: 28 Nov. 1957, approx. 1000 hrs.; 34° 46'S, 135° 53'W; corrected depth 4260 m.; no sample--probably did not hit bottom.

HG 31: 28 Nov. 1957, 1910-2150 hrs.; 35° 11'S, 135° 32'W; corrected depth 4700 m.; one Mn nodule--Mn crust around obsidian (?) core. Hilly.

HH 32: 30 Nov. 1957, approx. 2100 hrs.; 40° 33'S, 131° 50'W; corrected depth 5010 m.; only a core-catcher sample. Apparently stopped by Mn nodules. Hilly.

HG 33: 1 Dec. 1957, 1510 hrs.; 42° 14'S, 129° 52'W; corrected depth 5130 m.; no sample. Subdued hills.

HG 34: 2 Dec. 1957, 0945-1105 hrs.; 44° 13'S, 127° 20'W; corrected depth 4600 m.; core length 118 cm.; foram. clay with Mn nodules on top. Subdued hills.

HH 35: 2 Dec. 1957, approx. 2200 hrs.; 44° 21'S, 127° 14'W; corrected depth 4675 m.; core length 58 cm.; tan foram. clay. Subdued hills.

HG 36: 6 Dec. 1957, 1715-1900 hrs.; 45° 30'S, 119° 50'W; corrected depth 3770 m.; core length 112 cm.; calcareous ooze.

HG 37: 7 Dec. 1957, 1015-1400 hrs.; 46° 03'S, 116° 11'W; corrected depth 3400 m.; no sample on first attempt, 150 cm. core on second attempt; calcareous ooze. West flank of E. Pacific Rise.

HG 38: 7 Dec. 1957, 2105-2345 hrs.; 46° 20'S, 114° 19'W; corrected depth 2750 m.; no sample, in two attempts.

HG 39: 8 Dec. 1957, 0935-1300 hrs.; approx. 46° 39'S, 113° 25'W; corrected depth 2730 m.; no sample in two attempts. On second attempt, corer bent. Crest of E. Pacific Rise.

HG 40: 9 Dec. 1957, 1210 hrs.; 46° 23'S, 112° 37'W; corrected depth 2700 m.; core length 182 cm. At least a few cm. of the top lost. Crest of E. Pacific Rise.

HG 41: 9-10 Dec. 1957, 2330-0040 hrs.; approx. 45° 13'S, 112° 25'W; corrected depth 2470 m.; a few chips of dark igneous rock. Crest of E. Pacific Rise.

HG 43: 11 Dec. 1957, 0215-0435 hrs.; approx. 44° 18'S, 109° 30'W; corrected depth 3140 m.; core length 98 cm.; calcareous ooze. East flank of E. Pacific Rise.

HG 44: 11 Dec. 1957, 1000-1125 hrs.; 44° 04'S, 107° 54'W; corrected depth 3420 m.; core length 151 cm.; calcareous ooze.

HG 45: 11 Dec. 1957, 1805 hrs.; 43° 55'S, 106° 20'W; corrected depth 3500 m.; core length 160 cm.; tan ooze. East flank of E. Pacific Rise.

HH 46: 12 Dec. 1957, approx. 0300 hrs.; 43° 51'S, 105° 24'W; corrected depth 3627 m.; core length 63 cm.; calcareous ooze. Hilly.

HG 48: 13 Dec. 1957, 1520-1705 hrs.; 42° 00'S, 102° 00'W; corrected depth 4240 m.; core length 136 cm.; chocolate clay with Mn Nodule on top.

HT 49A-C (with triple corer): 14 Dec. 1957, 0835-1200 hrs.; 42° 02'S, 98° 01'W; corrected depth 4350 m.; 49A is 130 cm., 49B is 82 cm., 49C is 136 cm.; chocolate clay. About 50 cm. of 49B slid out of the liner. Hilly.

HG 50: 14 Dec. 1957, 1810 hrs.; 42° 54'S, 97° 05'W; corrected depth 4550 m.; core length 91 cm.; chocolate clay. Hilly.

HG 51: 16 Dec. 1957, 0815-1000 hrs.; 41° 43'S, 92° 14'W; corrected depth 3610 m.; only a few manganese grains. Sharp hills.

HG 52: 16 Dec. 1957, 1345 hrs.; 41° 26'S, 91° 25'W; corrected depth 3230 m.; no sample--did not hit bottom.

HH 53: 17 Dec. 1957, 1930-2220 hrs.; 41° 25'S, 86° 09'W; corrected depth 4317 m.; no sample--may not have reached bottom.

HG 54: 18 Dec. 1957, 2318-0052 hrs.; 38° 49'S, 83° 21'W; corrected depth 4080 m.; core length 91 cm.; chocolate foram. clay overlying yellowish clay. Subdued hills.

HG 56: 19 Dec. 1957, 1905-2045 hrs.; 37° 03'S, 81° 50'W; corrected depth 3994 m.; core length 126 cm.; dark brown clay. Hilly.

HG 57: 20 Dec. 1957, 1015 hrs.; 35° 02'S, 80° 02'W; corrected depth 3820 m.; no core--it apparently washed out of the barrel.

HH 58: 20 Dec. 1957, 1620-1855 hrs.; 34° 30'S, 79° 30'W; corrected depth 3780 m.; core length 44 cm.; brown ooze.

HG 59: 30 Dec. 1957, approx. 1400 hrs.; 27° 30'S, 71° 02'W; depth 121 m.; only a few grams of gravel. Continental shelf.

~~HG 60~~: 30 Dec. 1957, 2005-2145 hrs.; 27° 17'S, 71° 22'W; corrected depth 3420 m.; no sample--hard bottom. Continental slope.

HG 61: 1 Jan. 1958, 0435 hrs.; approx. 24° 28'S, 72° 18'W; corrected depth 4200 m.; core length 183 cm., plus a few cm. which protruded above liner; brown at top, light tan below. A few cm. was lost from the top of the core. Sea floor west of Atacama Trench.

HH 62: 1 Jan. 1958, 2001-2330 hrs.; 22° 36'S, 72° 03'W; corrected depth 4280 m.; core length 64 cm.; dark brown clay. Rise to west of Atacama Trench.

HG 63: 2 Jan. 1958, 2236-2308 hrs.; 24° 24'S, 70° 33'W; depth 205 m.; small amount of yellowish-green sand and gravel. Edge of slope, 1 mile from shore.

HG 64: 3 Jan. 1958, 0040-0144 hrs.; 24° 30'S, 70° 49'W; corrected depth 1520 m.; small amount of gravel and hard clay. Continental slope.

HG 65: 3 Jan. 1958, 0315 hrs.; 24° 36'S, 71° 01'W; corrected depth 3210 m.; core length 60 cm.; light brown clay. Continental slope.

HH 67: 8 Jan. 1958, 0525-0820 hrs.; 22° 30'S, 78° 29'W; corrected depth 4740 m.; core length 65 cm.; brown clay. Hilly.

HG 69: 10 Jan. 1958, 1835-1950 hrs.; 17° 10'S, 77° 01'W; corrected depth 3500 m.; core length 178 cm.; brown clay overlying blue-grey clay. Edge of rise.

HG 70: 12 Jan. 1958, 0250-0410 hrs.; 14° 18'S, 78° 18'W; corrected depth 4300 m.; core 84 cm. long; olive clay. Plain.

HH 71: 22 Jan. 1958, 2240-0120 hrs.; 17° 13'S, 79° 00'W; corrected depth 3655 m.; core length 66 cm.; calcareous ooze. Northern slope of Nasca Ridge.

HG 74: 1 Feb. 1958, 0915-1020 hrs.; 28° 29'S, 106° 30'W; corrected depth 3030 m.; core length 77 cm.; brown clay and calcareous ooze. Hilly.

HG 77: 5 Feb. 1958, 0510-0610 hrs.; no sample--did not hit bottom.

HH 78: 6 Feb. 1958, 2145 hrs.; 23° 39'S, 118° 12'W; corrected depth 3445 m.; core length 62 cm.; dark brown clay. West side of rise.

HG 79: 7 Feb. 1958, 0405-0515 hrs.; 23° 36.5'S, 118° 13.5'W; corrected depth 3440 m.; core length 138 cm.; dark brown calcareous ooze. West side of rise.

HG 80: 7 Feb. 1958, 2105-2245 hrs.; 22° 24'S, 116° 24'W; corrected depth 3115 m.; no sample.

HG 82: 8 Feb. 1958, 1313-1420 hrs.; 22° 05'S, 115° 12'W; corrected depth 3100 m.; core length 57 cm.; dark brown foram. clay. Top of Albatross Plateau.

HH 83: 10 Feb. 1958, 2255-0130 hrs.; 15° 45'S, 112° 09'W; corrected depth 3140 m.; core length 42 cm.; coarse foram. ooze.

HG 84: 11 Feb. 1958, 0420-0530 hrs.; 15° 44'S, 112° 13'W; corrected depth 3200 m.; core length 145 cm.; calcareous ooze. On top of Albatross Plateau.

HG 85: 12 Feb. 1958, 0907-1036 hrs.; 13° 09'S, 110° 38'W; corrected depth 3100 m.; core length 166 cm.; calcareous ooze. Albatross Plateau.

HH 86: 13 Feb. 1958, 0020-0305 hrs.; 14° 16'S, 108° 50'W; corrected depth 3580 m.; core length 59 cm.; buff calcareous ooze. Albatross Plateau.

HH 87: 15 Feb. 1958, 2030-2150 hrs.; 9° 13'S, 109° 37'W; corrected depth 2613 m.; core length 66 cm.; foram. ooze. Albatross Plateau, north slope of a 600-fm. seamount.

HG 88: 16 Feb. 1958, 1526-1650 hrs.; 8° 03'S, 110° 00'W; corrected depth 3435 m.; core length 141 cm.; brown clayey foram. ooze.

HH 89: 18 Feb. 1958, approx. 0200 hrs.; 4° 02'S, 113° 18'W; corrected depth 4140 m.; core length 33 cm.; foram. ooze.

HG 90: 18 Feb. 1958, 1945-2135 hrs.; no core--no evidence of hitting bottom.

HH 91: 20 Feb. 1958; no core.

HH 92: 23 Feb. 1958, 0530-0800 hrs.; 9° 59'N, 118° 00'W; corrected depth 4295 m.; core length 55 cm.; Mn crust over red clay.

DOWNWIND EXPEDITION, 1957-1958
DREDGE HAULS MADE BY THE SPENCER F. BAIRD.

DWBD 1: 25 Oct. 1957, 1106-1800 hrs.; 21° 27'N, 126° 43'W; depth 4300 m.; roughly 60 kg., of which 1/3 are rounded Mn nodules and 2/3 are fragments of a crust. Pieces of white amorphous greasy material are common.

BD 2: 29 Oct. 1957, 0915-1420 hrs.; 10° 26'N, 130° 38'W; corrected depth 4890 m.; five 2-4 cm. Mn nodules and one black "angler fish."

BD 3: 1 Nov. 1957, 1313-1750 hrs.; 03° 12'N, 131° 31'W; depth 4440 m.; about 4 litres calcareous ooze.

BD 4: 12 Nov. 1957, 2140-2325 hrs.; at 930 fm. on E. side of a peak rising to 380 fm. on edge of Tuamotu escarpment west of Fakarava; approx. 3 kg. MnO_2 crusts and calcareous fragments.

BD 5: 14 Nov. 1957, approx. 0900-1130 hrs.; at base of slope on E side of Niau Atoll in the Tuamotus; depth 650 fm.; approx. 3 kg. coral debris coated with MnO_2.

BD 6: 23 Nov. 1957, 1545-1620 hrs.; 25° 57'S, 146° 21'W; corrected depth 1320 m.; pteropod ooze in two pipe dredges--stored in a plastic box.

BD 7 (dredge haul made with ball breaker above temperature probe): 4 Dec. 1957; 1100-1520 hrs.; 46° 44'S, 123° 01'W; depth approx. 4100m.; several small Mn nodules.

BD 8: 10 Jan. 1958, 1057-1300 hrs.; SW end of Nasca Ridge, approx. 20°S, 81° W; depth approx. 520 fm.; a good haul of corals, Mn nodules and shark teeth, and calcareous rocks.

BD 9: 21 Jan. 1958, 1918-2206 hrs.; NW end of Nasca Ridge; depth approx. 1060 fm.; small rocks, foram. ooze, and biological specimens--rocks mostly gritty sandstone covered with Mn, except for one chunk of quartzite.

DOWNWIND EXPEDITION, 1957-1958
DREDGE HAULS MADE BY THE HORIZON.

DWHD 15: 8 Nov. 1957, 1900-0130 hrs.; 15° 23'S, 136° 18'W; corrected depth 4480 m.; 10 lbs. Mn-coated rocks.

HD 16: 12 Nov. 1957, 1950-2300 hrs.; 16° 29'S, 145° 33'W; corrected depth 1270 m.; 500 lbs. Mn nodules and coral.

HD 21: 20 Nov. 1957, 1230-1800 hrs.; 19° 40'S, 149° 10'W; corrected depth 4670 m.; only a couple of pounds of chocolate clay in pipe dredge.

HD 25: 23 Nov. 1957, 1224-1810 hrs.; 25° 50'S, 144° 29'W; corrected depth 4260 m.; a rounded piece of pumice, a shark tooth, and a pipe dredge full of mud.

HD 28: 26 Nov. 1957, a.m.; 29° 56'S, 140° 04'W; corrected depth 4350 m.; a little foram. ooze in pipe dredge.

HD 42: 10-11 Dec. 1957, 2015-0145 hrs.; approx. 44° 18'S, 109° 32'W; corrected depth 3210-3270 m.; two small rocks covered with thin Mn stain. East flank of E. Pacific Rise.

HD 47: 13 Dec. 1957, 0810-1515 hrs.; 41° 59'S, 102° 01'W; corrected depth approx. 4200 m.; about 15 kg. Mn nodules.

HD 55: 19 Dec. 1957, 1315-1855 hrs.; 37° 04'S, 81° 50'W; corrected depth 4000 m.; 17 Mn nodules, one piece of yellow material (?hard clay?) and some clay.

HD 66: 4 Jan. 1958, 1415-2140 hrs.; 23° 16'S, 70° 53'W; corrected depth 3330 m.; no sample.

HD 68: 10 Jan. 1958, 1310-1810 hrs.; 17° 11'S, 77° 01'W; corrected depth 3680 m.; a couple of pounds of calcareous ooze.

HD 72: 26 Jan. 1958, 1150-1330 hrs.; 25° 31'S, 85° 14'W; depth 920 m.; about 300 lbs. Mn nodules, corals, and foram. sand. Top of a guyot.

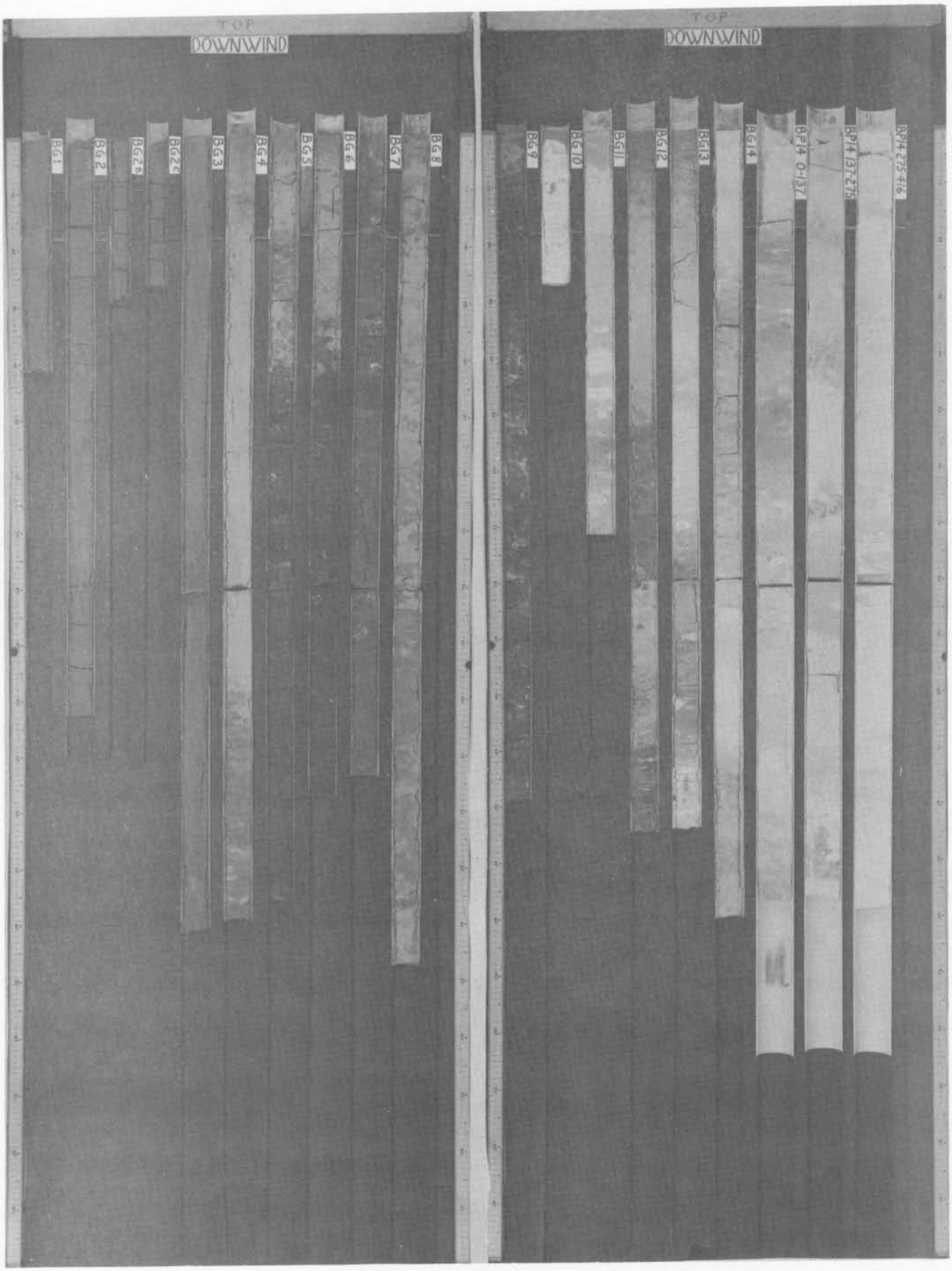
HD 73: 26 Jan. 1958, 1520-1600 hrs.; 25° 44'S, 85° 25'W; depth 228 m.; 50-100 lbs. invertebrate skeletons. Shoal guyot.

HD 75: 2 Feb. 1958, 0440-0530 hrs.; 27° 04'S, 109° 16'W; depth 132-174 m.; 50 lbs. invertebrate skeletons.

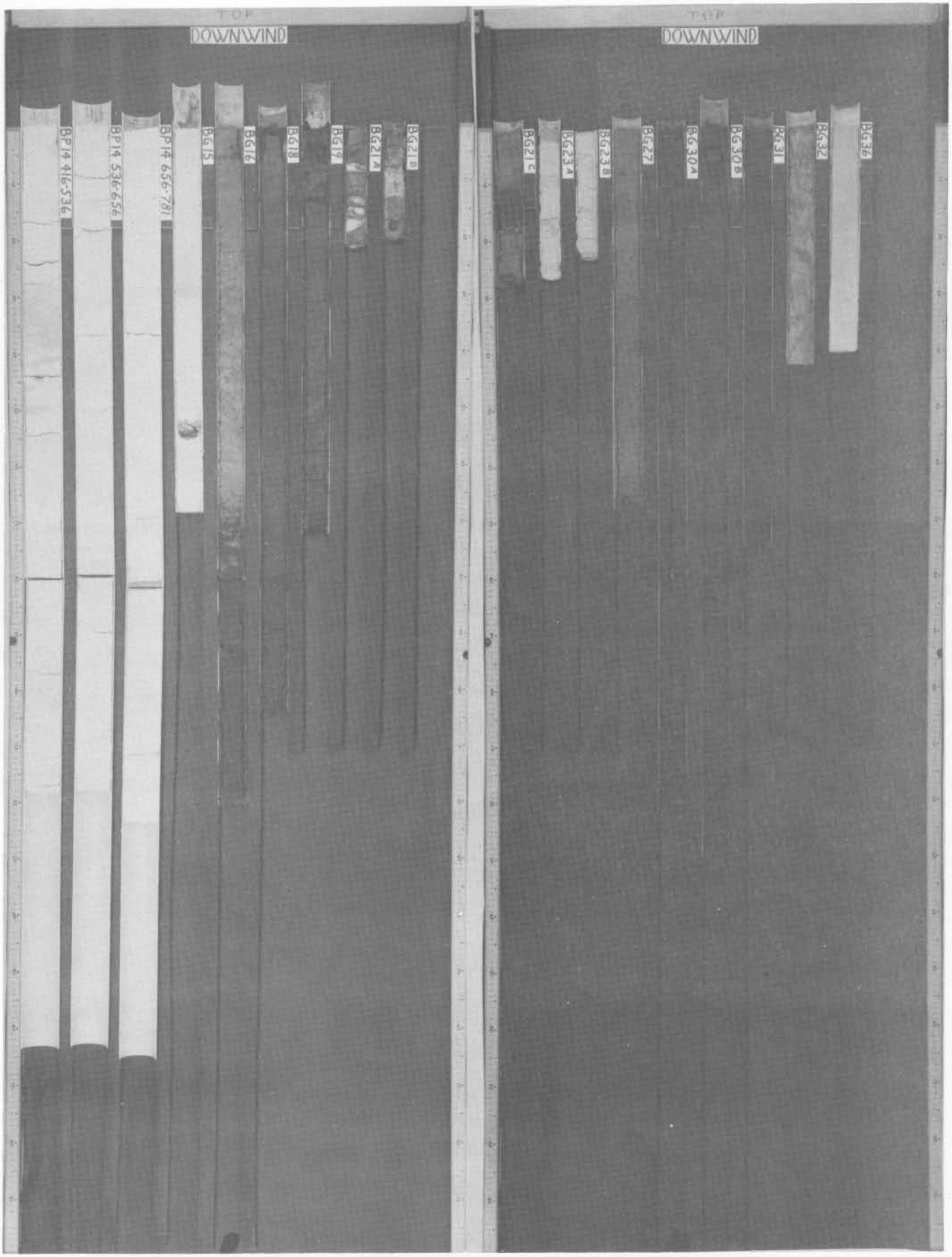
HD 76: 2 Feb. 1958, 0600-0645 hrs.; 27° 04'S, 109° 18'W; depth 40-100 m.; 200 lbs. basalt cobbles and calcareous skeletons. La Perouse Bay, Easter Island.

HD 81 (Rock dredge with canvas bag for dredging mud for Bullard): 8 Feb. 1958, 0755-1255 hrs.; 22° 07'S, 115° 10'W; corrected depth 3190 m.; 200-300 lbs. brown calcareous mud. Top of Albatross Plateau.

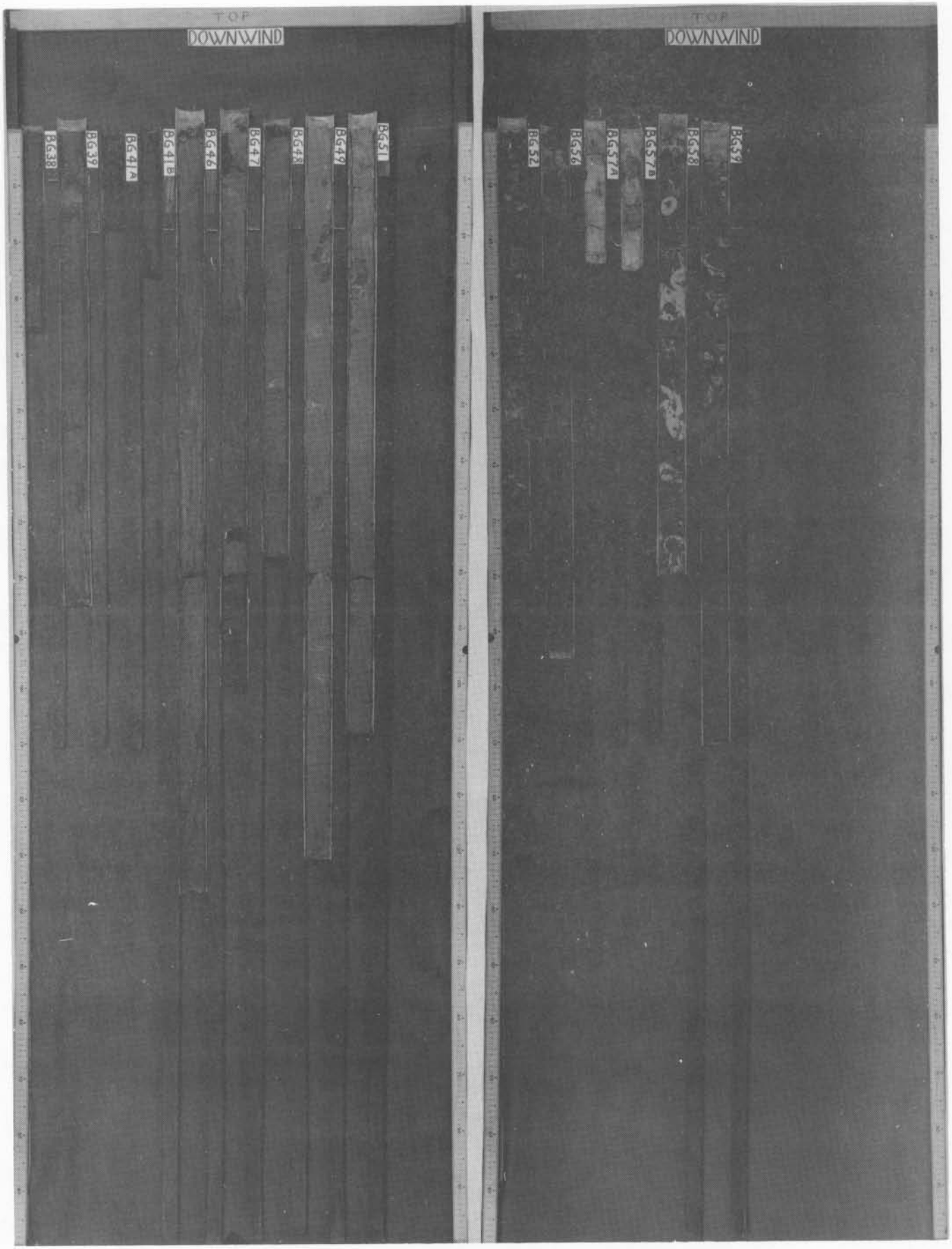
MCG1 5 0 0 5 0 0 2



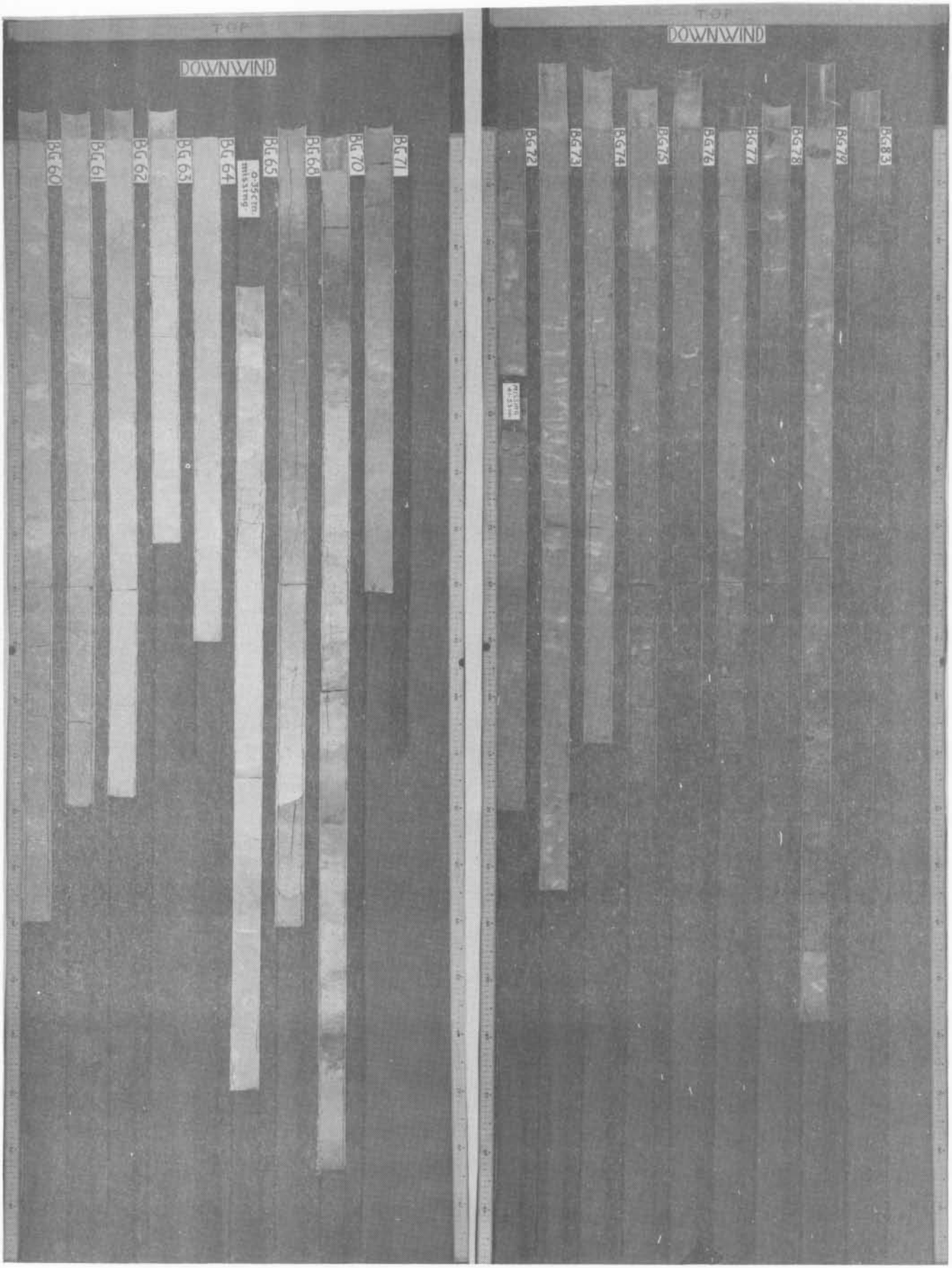
MGG1 5 9 9 5 0 0 2



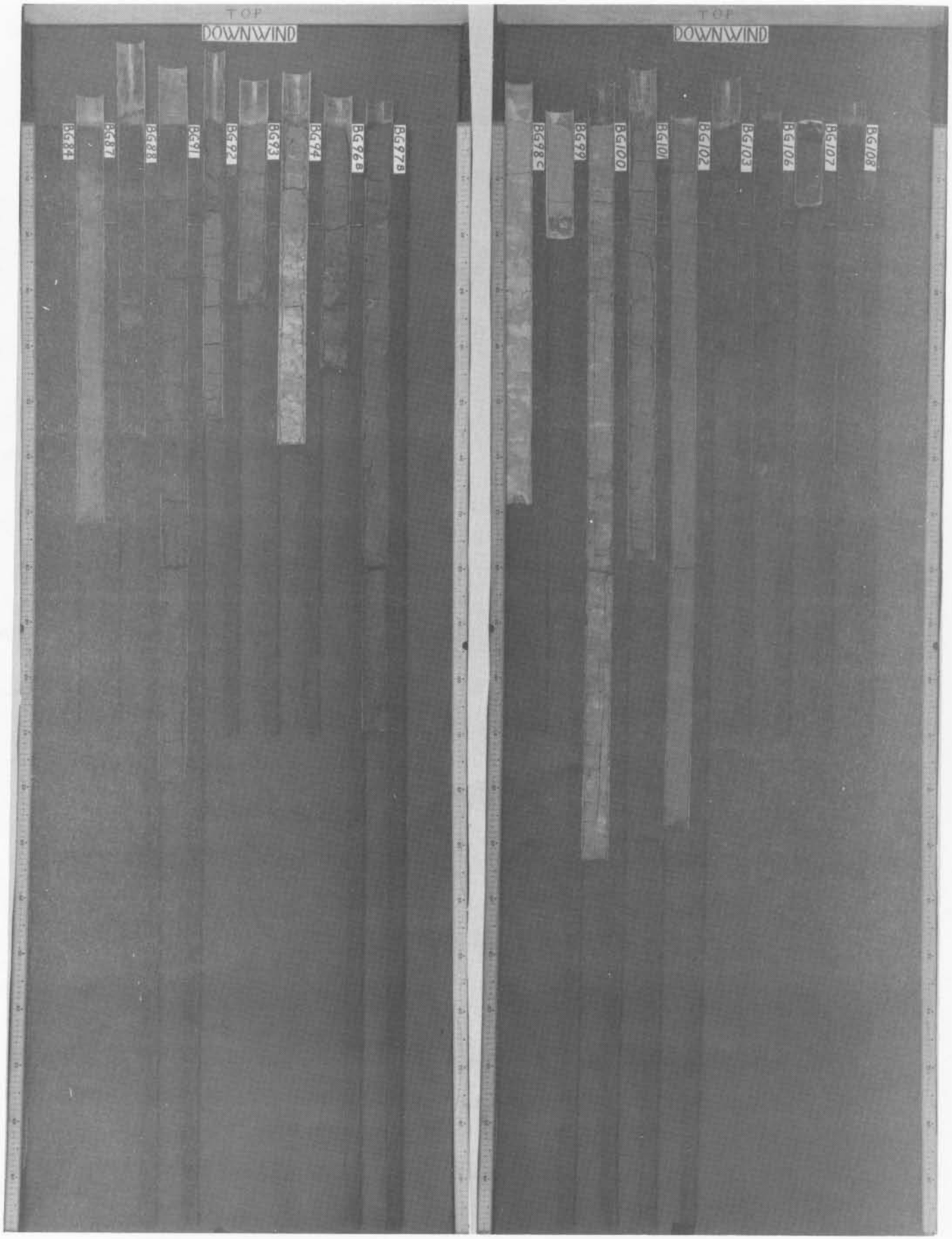
MGG15995002



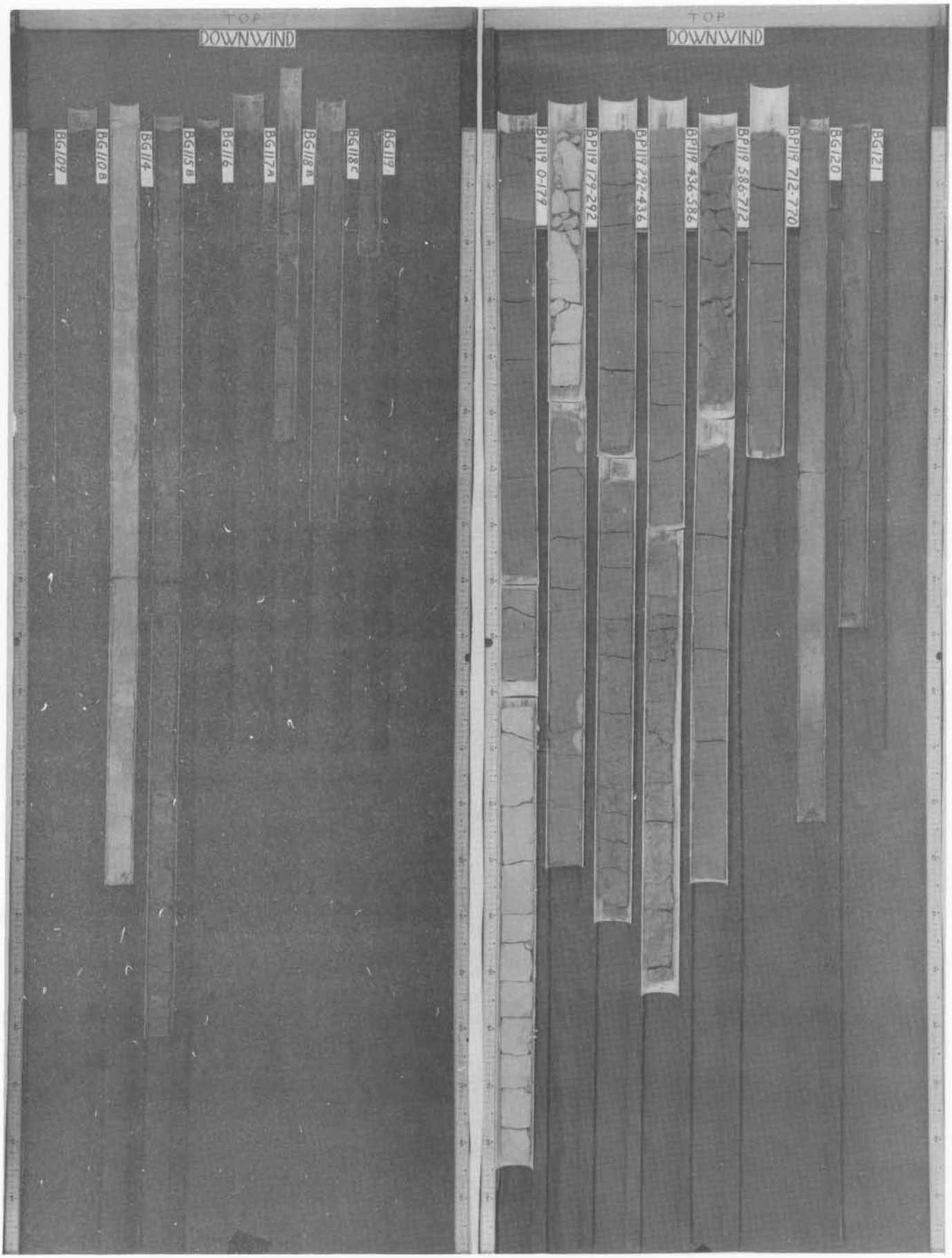
MCG15905002



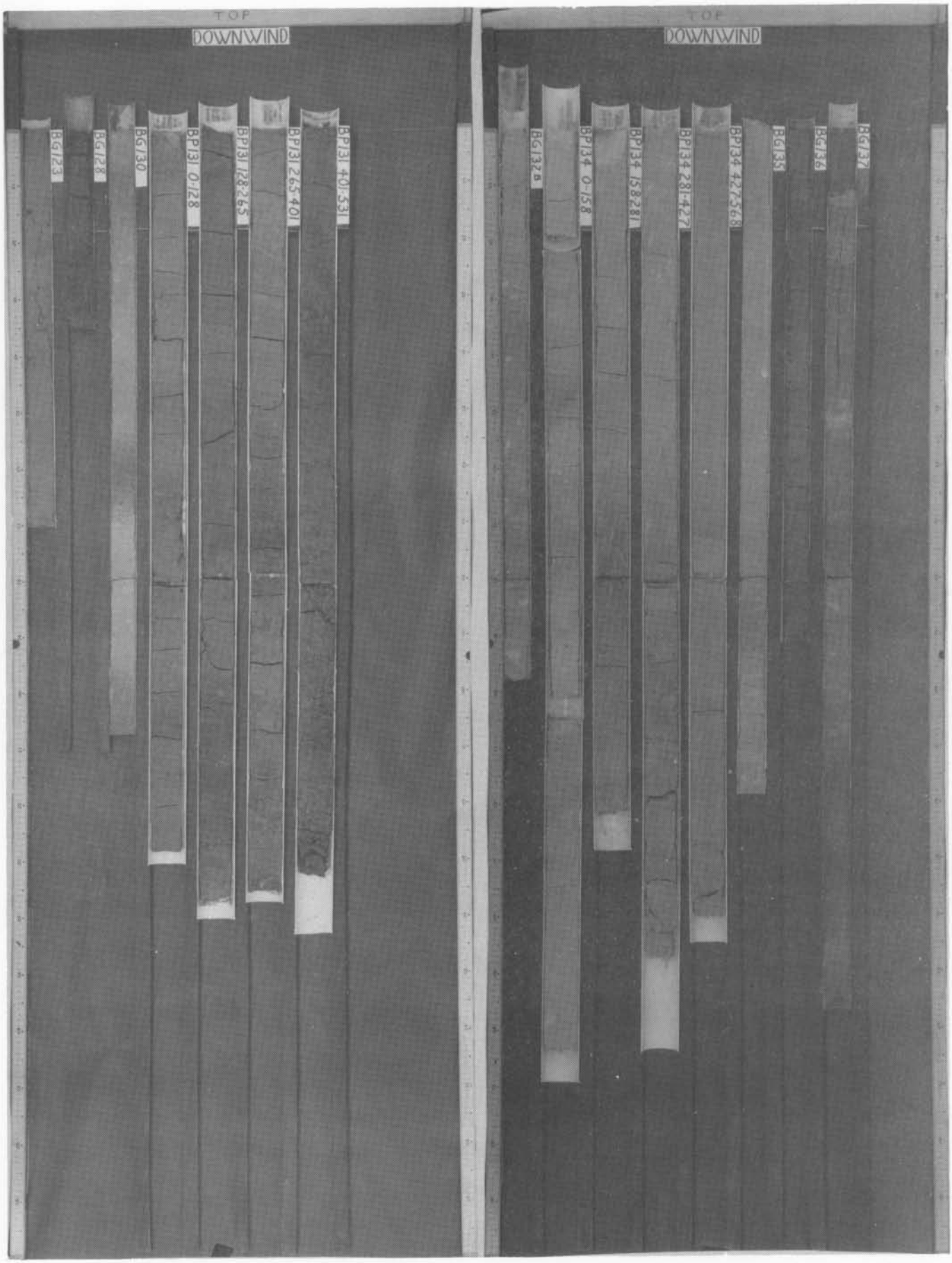
MCG1A9 65002



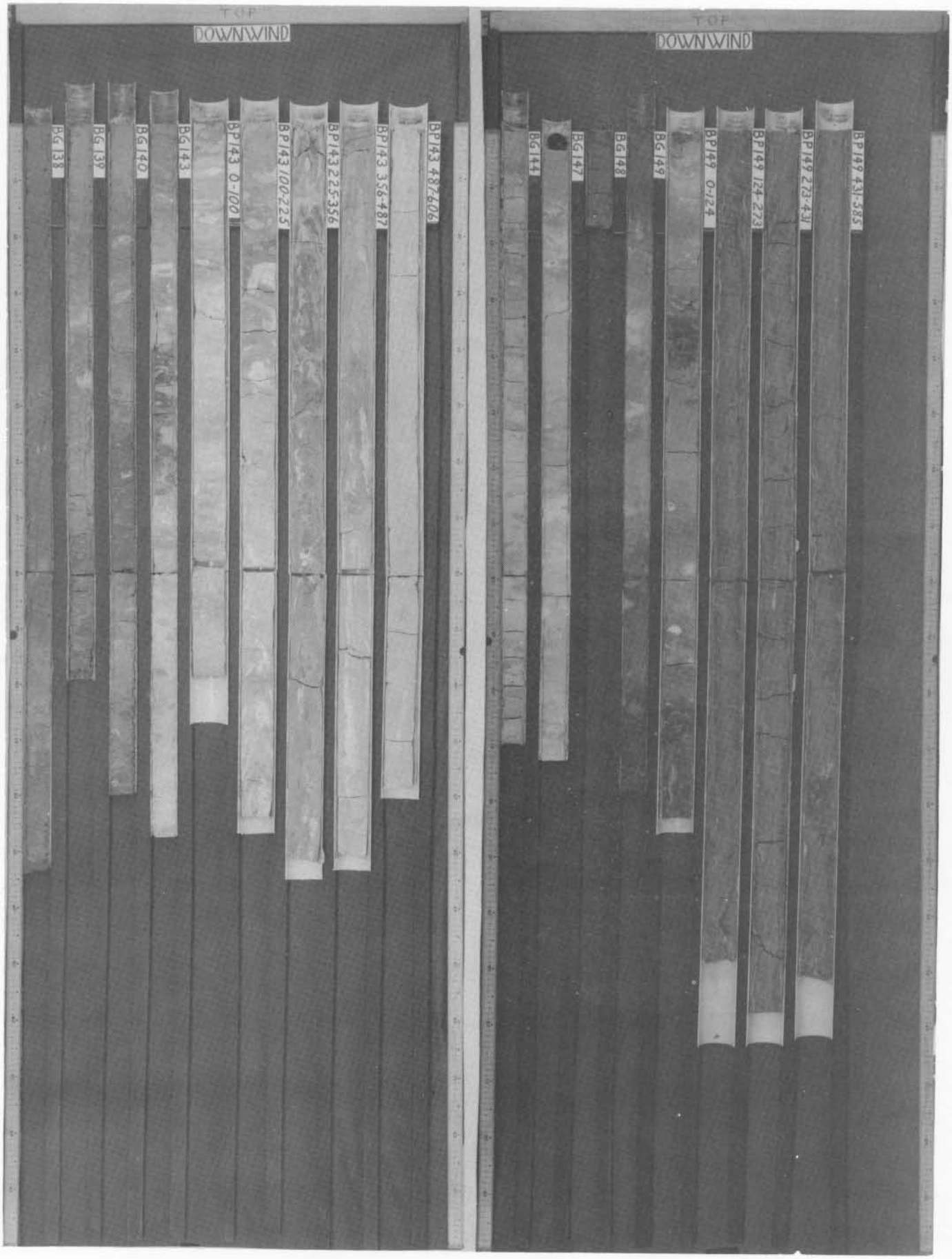
MCG15965002



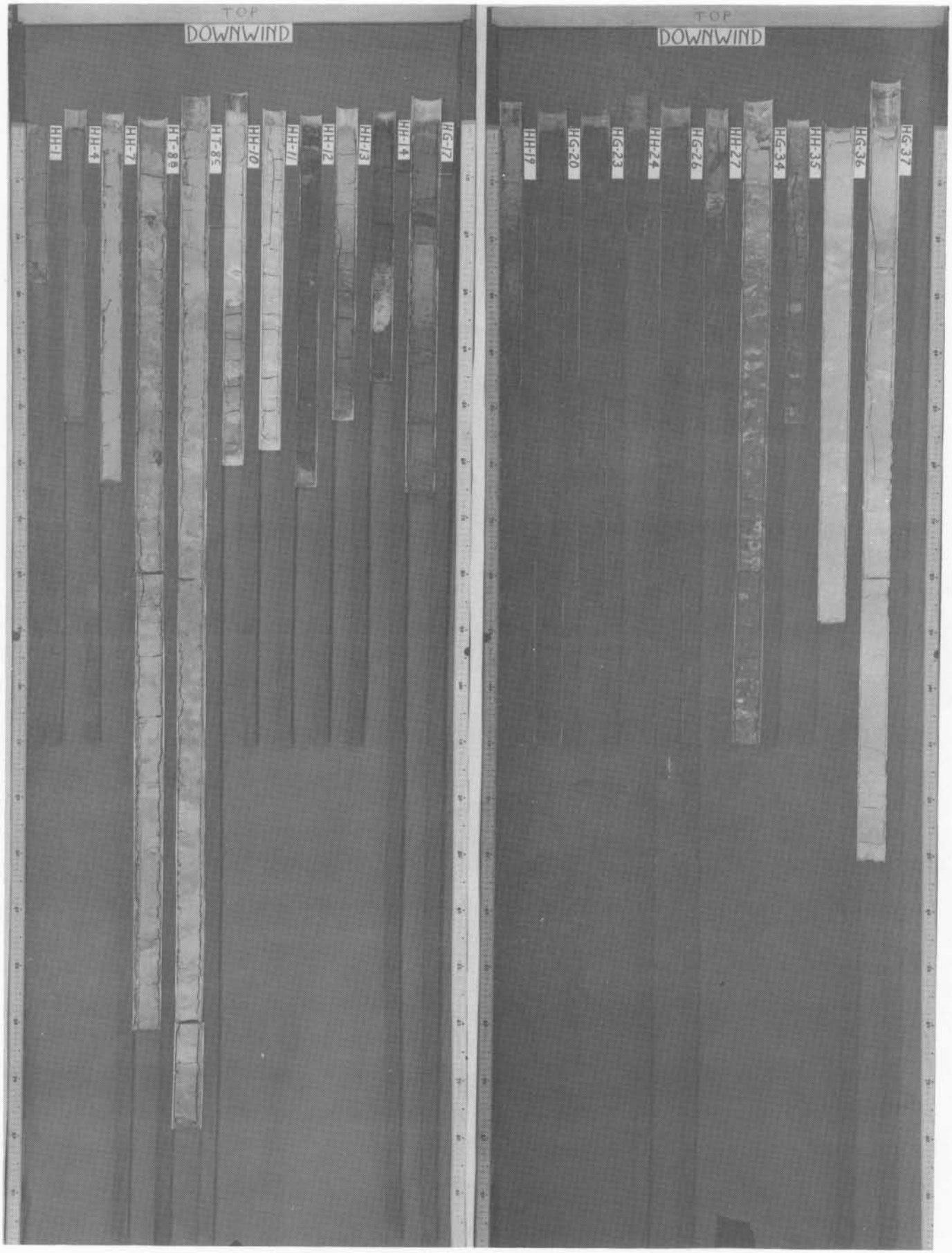
MCG15995002



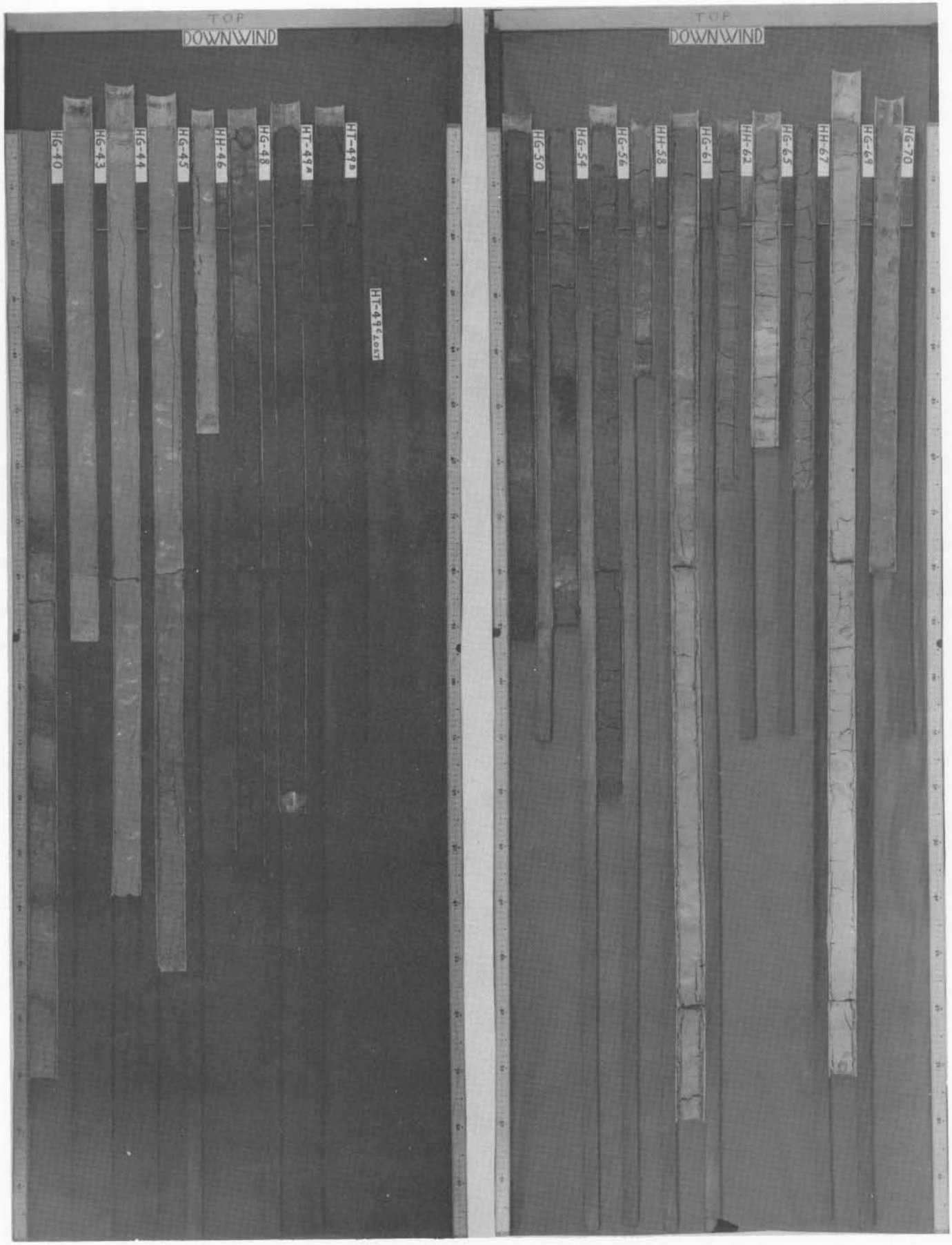
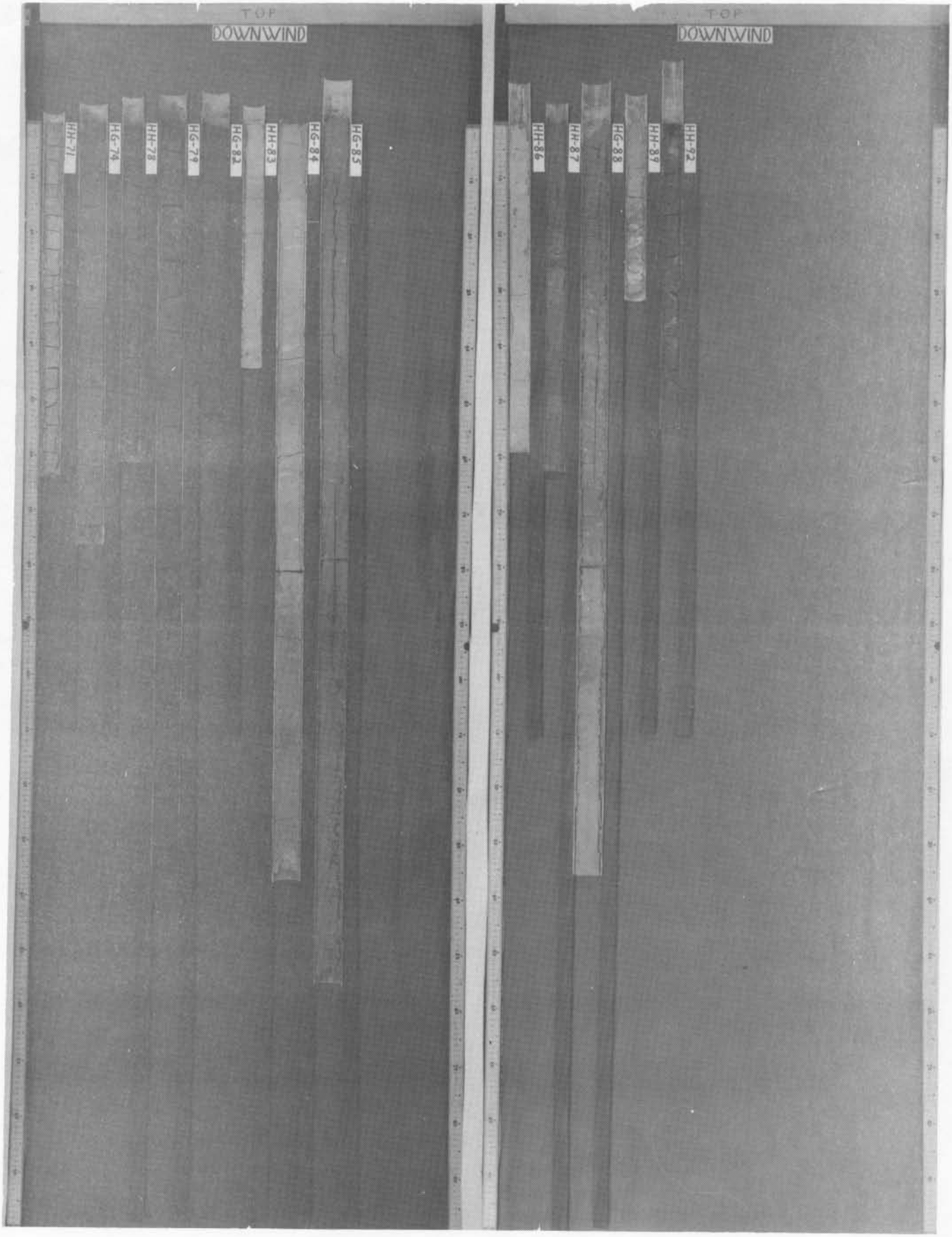
MGGT BP 05002



MGG159105002



MCG15P05002



MCG1 F P 05002