

**85.—ANOTHER RECEIPT FOR COOKING CARP.**

**By JULIUS GROSS.**

In my family, carp have been eaten at all seasons of the year, but they are preferred during spring and fall. The spawning fish, either immediately before, during, or just after spawning time, are not fit to eat. We have cooked carp with and without the scales; but like them better with the scales, as a kind of jelly is then formed on the fish.

They have been cooked in several different ways, but the following is the one that we prefer:

**BAKED CARP.**—Bake in an oven with butter sauce; use spice, such as lemon and laurel leaf, according to taste. After the carp are finished and on the dish, a sauce of cream and eggs should be poured over them.

COLUMBIA, ILL., *October 18, 1886.*

**86.—RECORD OF HYDROGRAPHIC SOUNDINGS AND DREDGING STATIONS OCCUPIED BY THE STEAMER ALBATROSS IN 1886.**

**By Lieut.-Commander Z. L. TANNER, U. S. N., Commanding.**

In the following tables the abbreviations for the characters of the bottom and the instrument used are from the following code:

| Abbreviation. | Meaning.      | Abbreviation. | Meaning.         | Abbreviation. | Meaning.                        |
|---------------|---------------|---------------|------------------|---------------|---------------------------------|
| C.....        | Clay.         | fne.....      | fine.            | stf.....      | stiff.                          |
| Co.....       | Coral.        | lge.....      | large.           | bk.....       | black.                          |
| St.....       | Stones.       | rky.....      | rocky.           | bu.....       | blue.                           |
| G.....        | Gravel.       | rtn.....      | rotten.          | dk.....       | dark.                           |
| S.....        | Sand.         | stk.....      | sticky.          | gy.....       | gray.                           |
| For.....      | Foraminifera. | br.....       | brown.           | rd.....       | red.                            |
| Pter.....     | Pteropods.    | choc.....     | chocolate color. | wh.....       | white.                          |
| M.....        | Mud.          | gn.....       | green.           |               |                                 |
| P.....        | Pebbles.      | lt.....       | light.           | L. B. T..     | Large beam-trawl.               |
| Oz.....       | Ooze.         | slat.....     | slate color.     | S. B. T..     | Small beam-trawl.               |
| R.....        | Rock.         | yl.....       | yellow.          | Bl. Dr...     | Blake dredge (deep-sea dredge). |
| Sh.....       | Shells.       | crs.....      | coarse.          | Sh. Dr..      | Ship's dredge (mud-bag).        |
| Glob.....     | Globigerina.  | hrd.....      | hard.            | Tgls....      | Tangles.                        |
| Sp.....       | Specks.       | sml.....      | small.           |               |                                 |
| brk.....      | broken.       | sft.....      | soft.            |               |                                 |

For the record of hydrographic soundings preceding those herewith reported, reference should be made as follows: Nos. 46-557, pages 111-112, Fish Commission Report for 1884; Nos. 591-868, pages 74-77, Fish Commission Report for 1885.

## Record of hydrographic soundings of the U. S. Fish Commission steamer Albatross, from January 1 to October 26, 1886.

| Serial number. | Date.   | Hour.       | Position. |          | Depth.          | Character of bottom.        | Temperatures. |          |         | Current.                    |
|----------------|---------|-------------|-----------|----------|-----------------|-----------------------------|---------------|----------|---------|-----------------------------|
|                |         |             | Lat. N.   | Long. W. |                 |                             | Air.          | Surface. | Bottom. |                             |
|                | 1886.   |             |           |          | <i>Fathoms.</i> |                             |               |          |         |                             |
| 879            | Feb. 23 | 10.36 a. m. | 28 41 00  | 78 03 00 | 557             | gy. S. bk. Sp               | 69            | 70       | 39.7    | Nominal.                    |
| 876            | Feb. 23 | 12 m.       | 28 40 00  | 77 52 00 | 570             | gy. S. bk. Sp               | 71            | 68       | 39.7    | Do.                         |
| 871            | Feb. 23 | 1.30 p. m.  | 28 40 30  | 77 37 00 | 572             | gy. S. bk. Sp               | 73            | 73       | 39.7    | Do.                         |
| 872            | Feb. 23 | 2.58 p. m.  | 28 41 30  | 77 28 00 | 581             | wh. S. bk. Sp               | 86            | 74       | 39.7    | Do.                         |
| 873            | Feb. 23 | 4.44 p. m.  | 28 42 00  | 77 09 00 | 600             | wh. S. bk. Sp               | 86            | 74       | 39.2    | Do.                         |
| 874            | Feb. 23 | 6.45 p. m.  | 28 42 30  | 76 53 30 | 623             | gy. S. bk. Sp               | 71            | 70       | 39.2    | Do.                         |
| 875            | Feb. 23 | 8.20 p. m.  | 28 42 45  | 76 39 00 | 762             | Oz                          | 67            | 70       | 39.7    | Do.                         |
| 876            | Feb. 23 | 9.58 p. m.  | 28 43 00  | 76 26 55 | 2 845           | Oz                          | 70            | 70       | 36.8    | Northwest by north, 1 knot. |
| 877            | Feb. 24 | 12.51 a. m. | 28 41 42  | 76 10 25 | 3 196           | Oz                          | 68            | 69       | 36.8    | Northwest, 1½ knots.        |
| 878            | Feb. 24 | 4.20 a. m.  | 28 24 00  | 76 10 25 | 1 407           | No specimen                 | 69            | 71       | 37.8    | Nominal.                    |
| 879            | Feb. 24 | 6.02 a. m.  | 28 12 30  | 76 15 00 | 691             | gy. S.                      | 69            | 71       | 39.2    | Do.                         |
| 880            | Feb. 24 | 7.41 a. m.  | 28 01 00  | 76 13 00 | 622             | yl. Oz. gy. S.              | 69            | 71       | 39.2    | Do.                         |
| 881            | Feb. 24 | 9.10 a. m.  | 27 49 00  | 76 12 00 | 633             | gy. and br. S.              | 70            | 71       | 39.5    | Do.                         |
| 882            | Feb. 24 | 10.41 a. m. | 27 38 00  | 76 23 24 | 677             | br. S.                      | 72            | 71       | 39      | Do.                         |
| 883            | Feb. 24 | 12 08 p. m. | 27 27 00  | 76 12 00 | 705             | gy. and br. S.              | 74            | 71       | 39.1    | Do.                         |
| 884            | Feb. 24 | 2.08 p. m.  | 27 42 00  | 76 02 00 | 762             | For.                        | 70            | 72       | 39.2    | Do.                         |
| 885            | Feb. 24 | 5.25 p. m.  | 27 51 00  | 75 53 30 | 2 539           | No specimen                 | 71            | 73       | Do.     | Do.                         |
| 886            | Feb. 25 | 6.45 a. m.  | 27 30 00  | 75 35 00 | 2 761           | No specimen                 | 70            | 71       | Do.     | North by west, 2 knots.     |
| 887            | Feb. 26 | 4.14 a. m.  | 25 29 00  | 74 50 00 | 2 589           | For. Oz                     | 73            | 72       | Do.     | North by west, 1 knot.      |
| 888            | Feb. 26 | 6.59 p. m.  | 24 25 00  | 74 36 45 | 2 700           | br. Oz                      | 74            | 73       | 36.7    | Do.                         |
| 889            | Feb. 26 | 2.59 p. m.  | 24 05 00  | 74 36 00 | 2 639           | br. Oz                      | 76            | 75       | 37.6    | Do.                         |
| 890            | Feb. 26 | 6.59 p. m.  | 24 05 00  | 74 35 00 | 1 135           | hrd.                        | 71            | 73       | 38.6    | Do.                         |
| 891            | Feb. 27 | 12.54 p. m. | 23 57 00  | 74 30 30 | 1 355           | Co.                         | 77            | 75       | 43.8    | Do.                         |
| 892            | Feb. 27 | 1.56 p. m.  | 23 50 00  | 74 38 00 | 1 264           | wh. S. Co.                  | 77            | 76       | 38.2    | Do.                         |
| 893            | Feb. 27 | 3.17 p. m.  | 23 43 00  | 74 39 30 | 1 263           | hr. br. Oz                  | 79            | 77       | 38.2    | Do.                         |
| 894            | Mar. 8  | 7.07 a. m.  | 23 32 20  | 74 57 40 | 850             | Co. S.                      | 78            | 75       | 39.1    | Do.                         |
| 895            | Mar. 8  | 8.16 a. m.  | 23 42 30  | 74 59 30 | 657             | Co. S.                      | 78            | 75       | 40.1    | Do.                         |
| 896            | Mar. 8  | 8.49 a. m.  | 23 44 35  | 75 01 35 | 1 017           | Co. S.                      | 78            | 75       | 38.7    | Do.                         |
| 897            | Mar. 8  | 9.40 a. m.  | 23 46 30  | 75 03 50 | 578             | Co. S.                      | 78            | 75       | 42.3    | Do.                         |
| 898            | Mar. 8  | 10.38 a. m. | 23 40 30  | 75 08 80 | 115             | wh. Co. S.                  | 74            | 73       | 67.8    | Do.                         |
| 899            | Mar. 8  | 3.44 p. m.  | 23 55 20  | 75 11 20 | 845             | Co. S. bk. Sp               | 74            | 75       | 39.2    | Do.                         |
| 900            | Mar. 8  | 4.49 p. m.  | 24 01 20  | 75 13 30 | 741             | wh. S. rd. and bk. Sp. For. | 73            | 75       | 39.5    | Do.                         |
| 901            | Mar. 8  | 5.54 p. m.  | 24 08 30  | 75 15 00 | 22              | wh. S. Sp. and brk. Sil.    | 73            | 74       | 74.3    | Do.                         |
| 902            | Mar. 8  | 7.35 p. m.  | 24 00 00  | 75 06 00 | 2 191           | br. At. Co. S.              | 72            | 74       | 37.9    | Do.                         |
| 903            | Mar. 8  | 10.18 p. m. | 24 08 00  | 74 56 30 | 2 482           | br. Oz                      | 72            | 74       | 36.7    | Do.                         |
| 904            | Mar. 9  | 12.56 a. m. | 24 08 00  | 74 45 00 | 2 255           | br. Oz                      | 72            | 74       | 36.5    | Do.                         |
| 905            | Mar. 9  | 3.20 a. m.  | 23 07 00  | 74 38 00 | 2 061           | br. Oz                      | 72            | 74       | 36.7    | Do.                         |
| 906            | Mar. 9  | 3.41 p. m.  | 23 35 00  | 74 47 30 | 149             | Co. S. Sil.                 | 78            | 75       | 65.1    | Do.                         |



## Record of hydrographic soundings, &amp;c.—Continued.

| Serial number. | Date.   | Hour.       | Position. |          |   | Depth.   | Character of bottom.    | Temperatures. |          |         | Current.                |
|----------------|---------|-------------|-----------|----------|---|----------|-------------------------|---------------|----------|---------|-------------------------|
|                |         |             | Lat. N.   | Long. W. |   |          |                         | Air.          | Surface. | Bottom. |                         |
|                |         |             |           | °        | ' |          |                         |               |          |         |                         |
| 950            | 1886.   |             |           |          |   |          |                         |               |          |         |                         |
| 950            | Apr. 4  | 6:42 a. m.  | 23 35 30  | 81 32 45 | 0 | Fathoms. | lt. br. Oz.             | 74            | 76       | 39.6    | No current.             |
| 961            | Apr. 4  | 8:25 a. m.  | 23 28 00  | 81 33 15 | 0 |          | lt. br. Oz.             | 74            | 77       | 39.6    | Do.                     |
| 962            | Apr. 4  | 10:03 a. m. | 23 20 30  | 81 33 45 | 0 |          | br. Oz.                 | 73            | 77       | 40.6    | Do.                     |
| 963            | Apr. 4  | 11:51 a. m. | 23 13 00  | 81 34 30 | 0 |          | br. Oz. Sh.             | 76            | 77       | 50.0    |                         |
| 964            | Apr. 4  | 12:36 p. m. | 23 08 00  | 81 35 30 | 0 |          | br. S. Sh.              | 76            | 77       | 56.7    |                         |
| 965            | Apr. 10 | 4:50 a. m.  | 26 21 00  | 78 50 45 | 0 |          | wh. Oz.                 | 68            | 76       | 48.4    |                         |
| 966            | Apr. 10 | 7:02 a. m.  | 26 27 00  | 78 38 00 | 0 |          | br. S. brk. Sh.         | 70            | 74       | 60.6    |                         |
| 967            | Apr. 10 | 9:16 a. m.  | 26 32 32  | 78 27 50 | 0 |          | br. S.                  | 70            | 73       | 40.7    | West-northwest, 1 knot. |
| 967            | Apr. 10 | 11:33 a. m. | 26 31 30  | 78 21 00 | 0 |          | yl. M.                  | 70            | 73       | 53.0    | Do.                     |
| 968            | Apr. 10 | 12:18 p. m. | 26 33 00  | 78 24 20 | 0 |          | Co. S.                  | 71            | 73       | 73.2    |                         |
| 969            | Apr. 10 | 12:26 p. m. | 26 32 30  | 78 24 00 | 0 |          | Co. S.                  | 71            | 73       | 73.2    |                         |
| 970            | Apr. 10 | 1:20 p. m.  | 26 38 30  | 78 18 30 | 0 |          | Co. S.                  | 71            | 73       | 74.7    |                         |
| 971            | Apr. 10 | 2:24 p. m.  | 26 38 30  | 78 14 00 | 0 |          | Co. lt. br. Oz.         | 71            | 74       | 62.3    |                         |
| 972            | Apr. 10 | 4:23 p. m.  | 26 39 00  | 78 09 00 | 0 |          | 157 gy. Oz.             | 72            | 74       | 67.2    |                         |
| 973            | Apr. 10 | 5:04 p. m.  | 26 38 45  | 78 00 00 | 0 |          | 10 gy. S. fine. Sh.     | 71            | 73       | n. t.   |                         |
| 974            | Apr. 10 | 5:32 p. m.  | 26 34 00  | 77 58 45 | 0 |          | 234 gy. Oz.             | 71            | 73       | 63.8    |                         |
| 975            | Apr. 10 | 7:35 p. m.  | 26 22 00  | 78 08 00 | 0 |          | 867 wh. Oz.             | 70            | 73       | 39.6    |                         |
| 976            | Apr. 10 | 10:16 p. m. | 26 16 00  | 77 55 00 | 0 |          | 711 br. Oz.             | 69            | 73       | 39.6    |                         |
| 977            | Apr. 12 | 9:17 p. m.  | 23 39 15  | 76 47 00 | 0 |          | 740 wh. Oz.             | 74            | 74       | 39.6    |                         |
| 978            | Apr. 12 | 11:08 p. m. | 23 44 00  | 77 00 00 | 0 |          | 756 wh. Oz.             | 73            | 74       | 40.2    |                         |
| 979            | Apr. 13 | 12:55 a. m. | 23 49 00  | 77 13 00 | 0 |          | 769 wh. Oz.             | 73            | 74       | 39.4    |                         |
| 980            | Apr. 13 | 3:12 a. m.  | 23 50 00  | 77 25 30 | 0 |          | 740 lt. br. Oz.         | 73            | 73       | 39.6    |                         |
| 981            | Apr. 13 | 4:43 a. m.  | 23 58 00  | 77 20 00 | 0 |          | 805 lt. br. Oz.         | 73            | 73       | 39.4    |                         |
| 982            | Apr. 13 | 6:18 a. m.  | 23 57 00  | 77 12 15 | 0 |          | 514 lt. br. Oz.         | 73            | 73       | 40.1    |                         |
| 983            | Apr. 13 | 2:22 p. m.  | 24 07 00  | 77 21 00 | 0 |          | 809 wh. Oz.             | 74            | 74       | 57.3    |                         |
| 984            | Apr. 13 | 3:54 p. m.  | 24 13 00  | 77 30 30 | 0 |          | 822 lt. br. Oz.         | 78            | 74       | 39.4    |                         |
| 985            | Apr. 13 | 5:20 p. m.  | 24 19 30  | 77 24 30 | 0 |          | 832 lt. br. Oz.         | 70            | 74       | 47.6    |                         |
| 986            | Apr. 13 | 6:49 p. m.  | 24 25 00  | 77 18 15 | 0 |          | 639 wh. M.              | 74            | 74       | 50.8    |                         |
| 987            | Apr. 14 | 3:35 a. m.  | 24 29 30  | 77 19 00 | 0 |          | 444 wh. M.              | 72            | 73       | 45.7    |                         |
| 988            | Apr. 14 | 7:28 a. m.  | 24 37 00  | 77 30 00 | 0 |          | 939 Co. M.              | 80            | 73       | 39.1    |                         |
| 989            | Apr. 14 | 9:28 a. m.  | 24 43 00  | 77 42 00 | 0 |          | 734 lt. br. Oz.         | 76            | 74       | 39.6    |                         |
| 990            | Apr. 14 | 7:01 p. m.  | 25 19 30  | 77 57 30 | 0 |          | 959 lt. br. Oz.         | 71            | 73       | 38.6    |                         |
| 991            | Apr. 15 | 7:23 a. m.  | 25 11 00  | 77 47 30 | 0 |          | 1,195 lt. br. Glob. Oz. | 69            | 73       | 40.7    |                         |
| 992            | Apr. 15 | 9:23 a. m.  | 25 02 30  | 77 40 00 | 0 |          | 1,084 yl. M.            | 74            | 73       | 39.8    |                         |
| 993            | Apr. 17 | 7:42 a. m.  | 25 05 00  | 77 32 00 | 0 |          | 794 Co. S.              | 72            | 73       | 39.4    |                         |
| 994            | Apr. 30 | 12:12 p. m. | 25 35 45  | 76 57 00 | 0 |          | 1,527 lt. br. Oz.       | 79            | 76       | 44.2    |                         |
| 995            | Apr. 30 | 1:39 p. m.  | 25 39 30  | 76 53 45 | 0 |          | 1,962 wh. Co. Oz.       | 79            | 76       | 36.9    |                         |
| 996            | Apr. 30 | 3:10 p. m.  | 25 43 00  | 76 58 00 | 0 |          | 2,222 br. Oz.           | 79            | 76       | 39.1    |                         |
| 997            | Apr. 30 | 4:55 p. m.  | 25 47 00  | 77 03 00 | 0 |          | 1,773 gy. S. bk. Sp.    | 77            | 76       | 37.0    |                         |



|      |      |    |             |    |    |    |    |    |    |  |    |    |       |
|------|------|----|-------------|----|----|----|----|----|----|--|----|----|-------|
| 998  | Apr. | 30 | 6.25 p. m.  | 25 | 50 | 45 | 77 | 09 | 00 | No specimen                                  | 77 | 76 | n. l. |
| 999  | May  | 1  | 1.51 a. m.  | 26 | 40 | 00 | 76 | 49 | 30 | brk. Sh                                      | 75 | 77 | 39.1  |
| 1000 | May  | 1  | 3.47 a. m.  | 26 | 43 | 00 | 76 | 38 | 30 | br. Oz.                                      | 75 | 77 | 36.8  |
| 1001 | May  | 1  | 6.55 a. m.  | 26 | 45 | 00 | 76 | 20 | 00 | gy. Co. S                                    | 77 | 76 | 38.1  |
| 1002 | May  | 1  | 9.42 a. m.  | 26 | 47 | 00 | 76 | 15 | 00 | br. Co. S                                    | 76 | 74 | 38.4  |
| 1003 | May  | 1  | 12 m.       | 26 | 50 | 00 | 76 | 04 | 45 | br. Oz.                                      | 76 | 74 | 38.1  |
| 1004 | May  | 1  | 4.36 p. m.  | 27 | 11 | 00 | 76 | 19 | 00 | Co. S. For                                   | 76 | 73 | 38.1  |
| 1005 | May  | 2  | 12.06 p. m. | 27 | 41 | 00 | 76 | 41 | 00 | gy. Oz. bk. Sp                               | 69 | 72 | 38.6  |
| 1006 | May  | 2  | 2.18 a. m.  | 27 | 45 | 00 | 76 | 52 | 30 | yl. Oz. bk. Sp                               | 69 | 72 | 41.1  |
| 1007 | May  | 2  | 4.18 a. m.  | 27 | 49 | 00 | 77 | 04 | 00 | yl. Oz. bk. Sp                               | 69 | 72 | 41.1  |
| 1008 | May  | 2  | 6.15 a. m.  | 27 | 53 | 00 | 77 | 16 | 00 | yl. Oz. bk. Sp                               | 71 | 73 | 39.9  |
| 1009 | May  | 2  | 11.13 a. m. | 27 | 49 | 30 | 77 | 35 | 00 | Co. S. For                                   | 72 | 73 | 39.9  |
| 1010 | May  | 2  | 12.57 p. m. | 27 | 42 | 30 | 77 | 45 | 00 | lc. br. Oz.                                  | 72 | 73 | 40.5  |
| 1011 | May  | 2  | 2.30 p. m.  | 27 | 35 | 45 | 77 | 51 | 00 | Wire parted, lost 400 turns, ther., and lead | 74 | 74 | 40.8  |
| 1012 | May  | 2  | 3.59 p. m.  | 31 | 27 | 00 | 77 | 59 | 00 | wh. S.                                       | 74 | 74 | 50.2  |
| 1013 | May  | 5  | 4.35 p. m.  | 31 | 27 | 00 | 79 | 12 | 45 | crs. S. S                                    | 76 | 77 | 50.2  |
| 1014 | July | 18 | 3.03 a. m.  | 39 | 57 | 00 | 71 | 24 | 45 | br. S. Sh.                                   | 72 | 71 | 53.1  |
| 1015 | July | 18 | 3.43 a. m.  | 39 | 50 | 00 | 71 | 20 | 30 | gn. M.                                       | 72 | 71 | 51.0  |
| 1016 | July | 18 | 5.26 a. m.  | 39 | 50 | 00 | 65 | 56 | 00 | br. S. Sh.                                   | 72 | 71 | 53.1  |
| 1017 | Aug. | 3  | 2.10 p. m.  | 40 | 14 | 00 | 65 | 56 | 00 | br. Oz. C                                    | 68 | 75 | 36.7  |
| 1018 | Aug. | 3  | 6.22 p. m.  | 40 | 15 | 00 | 65 | 56 | 00 | br. Oz.                                      | 68 | 75 | 36.7  |
| 1019 | Aug. | 4  | 1 a. m.     | 40 | 20 | 00 | 64 | 54 | 00 | gy. and br. Oz.                              | 68 | 74 | 36.2  |
| 1020 | Aug. | 4  | 6.40 a. m.  | 40 | 52 | 24 | 63 | 53 | 00 | lc. br. Oz.                                  | 68 | 73 | 37.3  |
| 1021 | Aug. | 4  | 12.27 p. m. | 41 | 29 | 28 | 63 | 27 | 30 | lc. br. Oz.                                  | 70 | 66 | 37.9  |
| 1022 | Aug. | 4  | 1.50 p. m.  | 41 | 29 | 28 | 63 | 17 | 00 | lc. br. Oz.                                  | 69 | 64 | 37.7  |
| 1023 | Aug. | 4  | 3.04 p. m.  | 41 | 29 | 28 | 63 | 10 | 15 | lc. br. Oz.                                  | 68 | 64 | 37.3  |
| 1024 | Aug. | 4  | 4.35 p. m.  | 41 | 29 | 28 | 63 | 05 | 15 | lc. br. Oz.                                  | 69 | 64 | 37.3  |
| 1025 | Aug. | 4  | 6.02 p. m.  | 41 | 29 | 28 | 63 | 08 | 00 | lc. br. Oz.                                  | 65 | 66 | 36.2  |
| 1026 | Aug. | 4  | 7.37 p. m.  | 41 | 25 | 30 | 63 | 19 | 00 | lc. br. Oz.                                  | 66 | 65 | 36.3  |
| 1027 | Aug. | 4  | 10.44 p. m. | 41 | 24 | 00 | 63 | 19 | 00 | lc. br. Oz.                                  | 66 | 65 | 36.3  |
| 1028 | Aug. | 5  | 1.03 a. m.  | 41 | 22 | 20 | 63 | 20 | 30 | lc. br. Oz.                                  | 65 | 66 | 36.2  |
| 1029 | Aug. | 5  | 3.11 a. m.  | 41 | 31 | 00 | 63 | 27 | 30 | lc. br. Oz.                                  | 65 | 66 | 36.2  |
| 1030 | Aug. | 5  | 4.45 a. m.  | 41 | 30 | 30 | 63 | 15 | 00 | lc. br. Oz.                                  | 63 | 64 | 36.3  |
| 1031 | Aug. | 5  | 6.22 a. m.  | 41 | 32 | 30 | 63 | 00 | 30 | lc. br. Oz.                                  | 62 | 64 | 36.3  |
| 1032 | Aug. | 5  | 8.19 a. m.  | 41 | 29 | 30 | 62 | 47 | 30 | lc. br. Oz.                                  | 67 | 64 | 36.2  |
| 1033 | Aug. | 5  | 12.31 p. m. | 41 | 53 | 00 | 62 | 35 | 15 | No specimen                                  | 62 | 67 | 38.2  |
| 1034 | Aug. | 5  | 4.47 p. m.  | 42 | 21 | 00 | 62 | 18 | 00 | gy. S. bk. Sp                                | 69 | 66 | 40.8  |
| 1035 | Aug. | 5  | 8.48 p. m.  | 42 | 43 | 00 | 57 | 49 | 00 | lc. br. Oz.                                  | 67 | 64 | 40.8  |
| 1036 | Aug. | 6  | 8.44 p. m.  | 43 | 30 | 00 | 56 | 00 | 00 | stck. br. M                                  | 64 | 62 | 37.2  |
| 1037 | Aug. | 7  | 4.37 a. m.  | 43 | 45 | 00 | 54 | 39 | 00 | lc. gy. M.                                   | 66 | 64 | 36.9  |
| 1038 | Aug. | 7  | 12.58 p. m. | 44 | 02 | 00 | 54 | 39 | 00 | br. Oz.                                      | 63 | 63 | 37.7  |
| 1039 | Aug. | 7  | 6.43 p. m.  | 44 | 13 | 00 | 53 | 47 | 00 | For. bk. Sp                                  | 61 | 62 | 31.9  |
| 1040 | Aug. | 8  | 12.03 a. m. | 44 | 23 | 00 | 52 | 42 | 00 | rd. S. bk. Sp                                | 62 | 62 | 39.7  |
| 1041 | Aug. | 8  | 12 m.       | 44 | 52 | 00 | 50 | 25 | 24 | wh. S. brk. Sh                               | 60 | 62 | 31.1  |
| 1042 | Aug. | 8  | 6.12 p. m.  | 45 | 00 | 49 | 49 | 15 | 00 | 35 hrd                                       | 60 | 62 | 31.0  |
| 1043 | Aug. | 8  | 6.54 p. m.  | 45 | 00 | 49 | 09 | 00 | 00 | 35 wh. S                                     | 57 | 59 | 30.9  |
| 1044 | Aug. | 8  | 7.27 p. m.  | 45 | 00 | 49 | 03 | 00 | 00 | 38 P   | 57 | 58 | 31.4  |
| 1045 | Aug. | 8  | 8.03 p. m.  | 45 | 00 | 48 | 57 | 00 | 00 | P. wh. S. brk. Sh                            | 57 | 58 | 30.4  |
| 1046 | Aug. | 8  | 8.39 p. m.  | 45 | 00 | 48 | 51 | 00 | 00 | crs. wh. S. brk. Sh                          | 57 | 57 | 58    |
| 1047 | Aug. | 8  | 9.13 p. m.  | 45 | 00 | 48 | 45 | 00 | 00 | 115  | 57 | 56 | 31.9  |
| 1048 | Aug. | 8  | 11.43 p. m. | 45 | 02 | 00 | 48 | 20 | 00 | lc. br. Oz.                                  | 57 | 56 | 37.8  |
| 1049 | Aug. | 9  | 6.47 a. m.  | 45 | 02 | 00 | 47 | 08 | 00 | lc. br. Oz.                                  | 62 | 59 | 38.2  |

East by south,  $\frac{1}{2}$  knot.  
Do.

North,  $\frac{1}{2}$  knot.

Northwest, 1 knot.

Northwest, 1 knot.  
Do.

East-northeast, 1 knot.  
East, 1 knot.

Northwest by east, 2 knots.

East-northeast, 1 knot.

East,  $\frac{1}{2}$  knot.  
East, 1 knot.

East, 1 knot.

Record of hydrographic soundings, &c.—Continued.

| Serial num. | Date.   | Hour.       | Position. |          |      | Depth.          | Character of bottom.   | Temperatures. |         |      | Current.                   |
|-------------|---------|-------------|-----------|----------|------|-----------------|------------------------|---------------|---------|------|----------------------------|
|             |         |             | Lat. N.   | Long. W. | Air. |                 |                        | Surface.      | Bottom. |      |                            |
|             | 1886.   |             |           |          |      | <i>Fathoms.</i> |                        |               |         |      |                            |
| 1050        | Aug. 9  | 1.32 p. m.  | 45 02 00  | 45 58 00 | "    | 1,981           | br. Oz.                | 65            | 62      | 86.3 |                            |
| 1051        | Aug. 9  | 7.56 p. m.  | 45 04 00  | 44 38 00 | "    | 2,549           | br. Oz.                | 65            | 63      | 36.2 |                            |
| 1052        | Aug. 10 | 2.40 a. m.  | 45 06 00  | 43 23 30 | "    | 2,621           | lt. br. Oz.            | 67            | 68      | 36.8 | North, 1 knot.             |
| 1053        | Aug. 10 | 9.36 a. m.  | 45 14 00  | 42 03 00 | "    | 2,638           | br. Oz. For            | 69            | 70      | 37.8 | North-northwest, 1½ knots. |
| 1054        | Aug. 10 | 6.47 p. m.  | 45 03 00  | 43 00 00 | "    | 2,577           | lt. br. Oz.            | 69            | 68      | 36.8 | Do.                        |
| 1055        | Aug. 11 | 3.03 a. m.  | 46 21 00  | 43 47 00 | "    | 2,135           | S. G.                  | 57            | 60      | 37.3 | Northeast, 1½ knots.       |
| 1056        | Aug. 11 | 7.43 p. m.  | 47 12 00  | 45 06 30 | "    | 103             | hrd.                   | 59            | 58      | 38.2 |                            |
| 1057        | Aug. 11 | 9.20 p. m.  | 47 04 30  | 45 31 30 | "    | 155             | wh. S. bk. Sp          | 58            | 58      | 38.2 |                            |
| 1058        | Aug. 12 | 1.51 a. m.  | 47 32 12  | 46 11 30 | "    | 423             | br. Oz.                | 56            | 57      | 33.7 |                            |
| 1059        | Aug. 12 | 6.58 a. m.  | 47 44 00  | 46 53 30 | "    | 477             | No specimen            | 53            | 49      |      |                            |
| 1060        | Aug. 12 | 4.37 p. m.  | 47 44 00  | 46 11 30 | "    | 170             | gy. S. P.              | 55            | 50      | 37.1 | Southerly, ½ knot.         |
| 1061        | Aug. 12 | 5.21 p. m.  | 47 46 00  | 48 19 30 | "    | 168             | gy. S. bk. Sp          | 55            | 51      | 36.5 | Do.                        |
| 1062        | Aug. 12 | 7.17 p. m.  | 47 49 00  | 48 41 30 | "    | 147             | gy. S. bk. Sp. brk. Sh | 54            | 51      | 35.2 |                            |
| 1063        | Aug. 13 | 12.14 a. m. | 47 57 00  | 49 24 30 | "    | 106             | gy. S. bk. Sp          | 54            | 52      | 32.4 |                            |
| 1064        | Aug. 13 | 3.48 a. m.  | 48 02 00  | 50 10 30 | "    | 100             | gy. M.                 | 55            | 53      | 30.4 |                            |
| 1065        | Aug. 13 | 7.58 a. m.  | 47 31 00  | 50 17 00 | "    | 62              | br. Oz.                | 56            | 54      | 26.1 |                            |
| 1066        | Aug. 13 | 11.31 a. m. | 47 26 00  | 51 00 30 | "    | 74              | fine, gy. S. bk. Sp    | 57            | 54      |      |                            |
| 1067        | Aug. 13 | 2.57 p. m.  | 47 30 00  | 51 45 00 | "    | 98              | gn. M.                 | 55            | 55      | 55   |                            |
| 1068        | Aug. 22 | 8.55 p. m.  | 44 40 00  | 56 43 30 | "    | 226             | gy. M.                 | 60            | 58      | 40.4 |                            |
| 1069        | Aug. 23 | 11.43 p. m. | 44 31 00  | 57 09 00 | "    | 33              | gy. S. P.              | 60            | 58      | 33.7 |                            |
| 1070        | Aug. 23 | 7.23 a. m.  | 44 25 00  | 57 35 00 | "    | 63              | wh. S. bk. Sp          | 63            | 59      |      |                            |
| 1071        | Aug. 23 | 3.44 p. m.  | 43 38 00  | 59 18 30 | "    | 63              | gy. S. bk. Sp          | 67            | 62      | 35.6 |                            |
| 1072        | Aug. 25 | 8.02 a. m.  | 41 37 00  | 62 58 00 | "    | 1,943           | dk. br. Oz.            | 63            | 65      | 36.9 | Southeast, 2 knots.        |
| 1073        | Aug. 25 | 9.33 a. m.  | 41 37 00  | 63 05 00 | "    | 1,854           | dk. br. Oz.            | 63            | 68      | 36.7 | Do.                        |
| 1074        | Aug. 25 | 10.58 a. m. | 41 37 00  | 63 11 30 | "    | 1,798           | dk. br. Oz.            | 63            | 65      | 37.2 | Southeast, 1½ knots.       |
| 1075        | Aug. 25 | 12.21 p. m. | 41 37 00  | 63 18 00 | "    | 1,739           | dk. br. Oz.            | 64            | 65      | 37.1 | East, 2 knots.             |
| 1076        | Aug. 25 | 1.53 p. m.  | 41 37 00  | 63 26 00 | "    | 1,762           | dk. br. Oz.            | 70            | 73      | 36.9 | Do.                        |
| 1077        | Aug. 25 | 3.15 p. m.  | 41 37 00  | 63 34 00 | "    | 1,741           | dk. br. Oz.            | 70            | 73      | 36.9 |                            |
| 1078        | Aug. 25 | 4.35 p. m.  | 41 42 00  | 63 27 00 | "    | 1,644           | dk. br. Oz.            | 70            | 72      | 37.2 |                            |
| 1079        | Aug. 25 | 6.01 p. m.  | 41 42 00  | 63 21 00 | "    | 1,683           | dk. br. Oz.            | 70            | 72      | 36.9 |                            |
| 1080        | Aug. 25 | 7.28 p. m.  | 41 42 00  | 63 14 30 | "    | 1,697           | dk. br. Oz.            | 70            | 72      | 36.9 |                            |
| 1081        | Aug. 25 | 9.05 p. m.  | 41 42 00  | 63 11 30 | "    | 1,713           | lt. br. Oz. For        | 70            | 71      | 37.5 | Easterly, 2 knots.         |
| 1082        | Aug. 26 | 12.29 p. m. | 41 49 00  | 63 50 00 | "    | 1,587           | br. Oz. gy. M.         | 73            | 73      | 37.5 |                            |
| 1083        | Aug. 26 | 2.09 p. m.  | 41 42 00  | 63 47 30 | "    | 1,620           | br. Oz. For            | 74            | 73      | 37.2 | East by north, 2 knots.    |
| 1084        | Aug. 26 | 3.34 p. m.  | 41 37 00  | 63 45 00 | "    | 1,699           | br. Oz. For            | 74            | 74      | 36.7 |                            |
| 1085        | Aug. 26 | 4.59 p. m.  | 41 32 00  | 63 43 00 | "    | 1,895           | br. Oz. For            | 74            | 74      | 36.7 |                            |
| 1086        | Aug. 26 | 6.26 p. m.  | 41 26 00  | 63 40 45 | "    | 1,910           | br. Oz. For            | 74            | 73      | 36.7 |                            |
| 1087        | Aug. 26 | 8.26 p. m.  | 41 27 00  | 63 54 30 | "    | 1,880           | lt. br. Oz.            | 70            | 73      | 36.7 |                            |
| 1088        | Aug. 27 | 12.26 a. m. | 41 27 00  | 64 22 30 | "    | 1,879           | lt. br. Oz. For        | 67            | 72      | 36.7 |                            |
| 1089        | Aug. 27 | 4.10 a. m.  | 41 28 00  | 64 51 30 | "    | 1,696           | No specimen            | 68            | 72      |      |                            |

Record of dredgings and trawlings of the U. S. Fish Commission steamer Albatross, from January 1 to October 20, 1886.

[For the record of Albatross dredging stations preceding that herewith presented, reference should be made as follows: Nos. 2001-2116, pages 219-221, Fish Commission Report for 1883; Nos. 2117-2310, pages 106-110, Fish Commission Report for 1884; Nos. 2311-2628, pages 66-73, Fish Commission Report for 1885.]

| Serial number. | Date.   | Hour.       | Position. |          | Temperatures. |          | Depth. | Character of bottom. | Wind.      |            | Drift.                    |                 | Instrument used. |
|----------------|---------|-------------|-----------|----------|---------------|----------|--------|----------------------|------------|------------|---------------------------|-----------------|------------------|
|                |         |             | Lat. N.   | Long. W. | Air.          | Surface. |        |                      | Bottom.    | Direction. | Force.                    | Direction.      |                  |
| 2629           | 1886.   |             |           |          |               |          |        |                      |            |            |                           |                 |                  |
| 2630           | Mar. 8  | 12.07 p. m. | 23 48.40  | 75 10.40 | 73            | 73       | 38.4   | Co. S.               | N.         | 1          | S. by W. $\frac{3}{4}$ W. | 2 $\frac{1}{4}$ | L. B. T.         |
| 2631           | Mar. 12 | 2.10 p. m.  | 24 39.45  | 76 11.30 | 72            | 72       | 61.8   | Co. S.               | SE.        | 4          | ESE.                      | 4               | T. gls.          |
| 2632           | Mar. 12 | 3.03 p. m.  | 24 39.30  | 76 11.30 | 73            | 72       | 59.8   | Co. S.               | SE.        | 4          | NNW.                      | 4               | T. gls.          |
| 2633           | Mar. 13 | 2.29 p. m.  | 24 30.43  | 76 23.45 | 75            | 73       | 39.4   | Co. S. gy. Oz.       | SSE.       | 4          | E. by N.                  | 2               | L. B. T.         |
| 2634           | Apr. 7  | 8.05 a. m.  | 23 11.00  | 82 19.30 | 74            | 76       | 66.8   | Co. S.               | N.E.       | 3          | N.                        | 3               | T. gls.          |
| 2635           | Apr. 7  | 8.48 a. m.  | 23 10.45  | 82 18.45 | 74            | 76       | 66.8   | br. S. brk. Sh.      | N.E.       | 3          | N.                        | 3               | T. gls.          |
| 2636           | Apr. 7  | 10.05 a. m. | 23 10.55  | 82 18.55 | 71            | 73       | 62.8   | dead Co. Sh.         | N. by E.   | 3          | N. by E.                  | 3               | T. gls.          |
| 2637           | Apr. 7  | 10.52 a. m. | 23 10.45  | 82 18.45 | 71            | 73       | 62.6   | dead Co. Sh.         | N. by E.   | 3          | N. by E.                  | 3               | T. gls.          |
| 2638           | Apr. 7  | 11.32 a. m. | 23 19.45  | 82 19.00 | 70            | 75       | 65.8   | dead Co. Sh.         | N. by E.   | 3          | N. by E.                  | 3               | T. gls.          |
| 2639           | Apr. 7  | 2.09 p. m.  | 23 17.45  | 82 18.00 | 69            | 76       | 39.6   | yl. S.               | N.         | 3          | N.                        | 3               | T. gls.          |
| 2640           | Apr. 9  | 6.05 a. m.  | 25 04.50  | 80 15.10 | 70            | 73       | 56     | Co. S.               | N.E.       | 4          | N.E. by N.                | 4               | L. B. T.         |
| 2641           | Apr. 9  | 6.33 a. m.  | 25 05.06  | 80 15.00 | 70            | 73       | 56     | Co. S.               | N.E.       | 4          | N.E. by N.                | 4               | L. B. T.         |
| 2642           | Apr. 9  | 8.14 a. m.  | 25 11.30  | 79 58.00 | 71            | 74       | 69.2   | Co. S.               | N.E.       | 4          | N.E. by N.                | 4               | L. B. T.         |
| 2643           | Apr. 9  | 10.41 a. m. | 25 20.30  | 79 58.00 | 71            | 74       | 42.6   | gy. S.               | N.E. by E. | 4          | N.E. by N.                | 4               | L. B. T.         |
| 2644           | Apr. 9  | 11.54 a. m. | 25 25.00  | 80 55.15 | 71            | 74       | 43.1   | gy. S.               | N.E. by E. | 4          | N.E. by N.                | 4               | L. B. T.         |
| 2645           | Apr. 9  | 2.01 p. m.  | 25 40.00  | 80 00.00 | 73            | 73       | 43.4   | gy. S.               | NNE.       | 3          | N. $\frac{3}{4}$ W.       | 3               | L. B. T.         |
| 2646           | Apr. 9  | 3.15 p. m.  | 25 46.30  | 80 02.00 | 70            | 73       | 43.4   | gy. S.               | NNE.       | 3          | N.                        | 3               | L. B. T.         |
| 2647           | Apr. 9  | 4.14 p. m.  | 25 47.00  | 80 05.00 | 71            | 75       | 85     | gy. S. For           | NNE.       | 3          | N.                        | 3               | L. B. T.         |
| 2648           | Apr. 9  | 4.49 p. m.  | 25 48.00  | 80 04.00 | 71            | 75       | 85     | gy. S. For           | NNE.       | 3          | N.                        | 3               | L. B. T.         |
| 2649           | Apr. 9  | 5.17 p. m.  | 25 53.00  | 80 03.30 | 71            | 73       | 84     | gm. M.               | NNE.       | 3          | N.                        | 3               | L. B. T.         |
| 2650           | Apr. 12 | 5.25 p. m.  | 23 34.00  | 76 34.00 | 73            | 74       | 74.2   | Co. S.               | SE.        | 6          | NNE.                      | 6               | L. B. T.         |
| 2651           | Apr. 12 | 6.01 p. m.  | 23 34.30  | 76 34.00 | 73            | 74       | 57.8   | Co. S. wb. Oz.       | SE.        | 6          | SE. by E.                 | 2               | T. gls.          |
| 2652           | Apr. 13 | 9.46 a. m.  | 24 02.06  | 77 12.45 | 75            | 74       | 73.4   | wh. Oz.              | E.         | 4          | N.                        | 4               | T. gls.          |
| 2653           | Apr. 13 | 10.00 a. m. | 24 12.30  | 77 13.00 | 75            | 74       | 97     | wh. M.               | E.         | 4          | N.                        | 4               | T. gls.          |
| 2654           | Apr. 14 | 11.35 a. m. | 24 52.30  | 77 39.00 | 78            | 74       | 39.1   | lt. br. Oz.          | N.         | 4          | N.W. by W.                | 3               | L. B. T.         |
| 2655           | May 2   | 8.29 a. m.  | 27 57.30  | 77 27.30 | 76            | 73       | 39.3   | gy. S.               | WNW.       | 3          | N.W. by W.                | 1               | L. B. T.         |
| 2656           | May 2   | 8.59 a. m.  | 27 22.06  | 78 07.30 | 72            | 76       | 47.5   | yl. Oz. bk. Sp.      | NW.        | 3          | N.W. by W.                | 3               | L. B. T.         |
| 2657           | May 3   | 8.35 a. m.  | 28 08.00  | 78 58.00 | 69            | 71       | 41.2   | For                  | N.         | 3          | WNW.                      | 13              | L. B. T.         |
| 2658           | May 3   | 12.20 p. m. | 28 21.00  | 78 53.00 | 72            | 73       | 44.7   | For                  | N.         | 3          | WNW.                      | 13              | L. B. T.         |
| 2659           | May 3   | 3.35 p. m.  | 28 32.00  | 78 42.00 | 73            | 74       | 43.2   | For brk. Sh.         | N. by E.   | 3          | NNW. $\frac{3}{4}$ W.     | 14              | L. B. T.         |
| 2660           | May 3   | 6.47 p. m.  | 28 40.00  | 78 46.00 | 72            | 74       | 45.7   | yl. For.             | NNE.       | 3          | NW.                       | 1               | L. B. T.         |
| 2661           | May 4   | 5.29 a. m.  | 29 16.30  | 79 36.30 | 70            | 75       | 45.5   | gy. S. bk. Sp.       | E.NE.      | 4          | NNW.                      | 4               | L. B. T.         |
| 2662           | May 4   | 8.19 a. m.  | 29 24.30  | 79 43.00 | 72            | 75       | 43.7   | gy. S. brk. Sh.      | E.NE.      | 4          | NNW.                      | 4               | L. B. T.         |

## Record of dredgings and trawlings, &amp;c.—Continued.

| Serial number. | Date.          | Hour.       | Position. |          | Temperatures. |          |         | Depth.                        | Character of bottom.          | Wind.      |        | Drift.      |             | Instrument used. |
|----------------|----------------|-------------|-----------|----------|---------------|----------|---------|-------------------------------|-------------------------------|------------|--------|-------------|-------------|------------------|
|                |                |             | Lat. N.   | Long. W. | Air.          | Surface. | Bottom. |                               |                               | Direction. | Force. | Direction.  | Distance.   |                  |
| 2662           | 1886,<br>May 4 | 10:46 a. m. | 29 39 00  | 79 49 00 | 72            | 77       | 42.7    | Fath.                         | br. S.                        | E.         | 4      | NNW.        | Miles,<br>1 | L. B. T.         |
| 2663           | May 4          | 9:26 p. m.  | 29 41 00  | 79 55 00 | 74            | 75       | 42.7    | Co. S.                        | Co. S.                        | E.         | 3      | NNW.        | 1           | L. B. T.         |
| 2665           | May 4          | 5:16 p. m.  | 29 47 00  | 80 05 45 | 75            | 76       | 45.9    | fine gy. S.                   | fine gy. S.                   | ESE.       | 3      | SSE.        | 1           | L. B. T.         |
| 2666           | May 5          | 4:20 a. m.  | 30 47 30  | 79 49 00 | 70            | 74       | 48.2    | gy. S.                        | gy. S.                        | E.         | 1      | NNNE.       | 1           | L. B. T.         |
| 2667           | May 5          | 7:22 a. m.  | 30 53 00  | 79 42 30 | 75            | 75       | 48.7    | gy. S. bk. Sp.                | gy. S. bk. Sp.                | E.         | 1      | NNNE.       | 1           | L. B. T.         |
| 2668           | May 5          | 9:37 a. m.  | 30 58 30  | 79 38 30 | 73            | 76       | 46.3    | gy. S. dd. Co.                | gy. S. dd. Co.                | E.         | 2      | NNNE.       | 1           | L. B. T.         |
| 2669           | May 5          | 11:23 a. m. | 31 09 00  | 79 33 30 | 73            | 77       | 47.7    | gy. S. dd. Co.                | gy. S. dd. Co.                | E.         | 2      | NNNE.       | 1           | L. B. T.         |
| 2670           | May 5          | 1:52 p. m.  | 31 20 00  | 79 22 00 | 73            | 74       | 44.5    | gy. S. dd. Co.                | gy. S. dd. Co.                | E.         | 1      | NNNE.       | 1           | L. B. T.         |
| 2671           | May 5          | 2:45 p. m.  | 31 20 00  | 79 22 00 | 76            | 77       | 44.5    | gy. S. dd. Co.                | gy. S. dd. Co.                | E.         | 1      | NNNE.       | 1           | L. B. T.         |
| 2672           | May 5          | 5:55 p. m.  | 31 31 00  | 79 05 00 | 73            | 77       | 54.3    | crs. br. S.                   | crs. br. S.                   | SE.        | 1      | NE, by E.   | 1           | T. gals.         |
| 2673           | May 6          | 5:17 a. m.  | 32 26 00  | 77 43 30 | 72            | 77       | 51.6    | Co. gy. S. bk. Sp.            | Co. gy. S. bk. Sp.            | SW.        | 1      | NE, by E.   | 1           | L. B. T.         |
| 2674           | May 6          | 8:45 a. m.  | 32 32 00  | 77 17 00 | 72            | 76       | 46.0    | gy. S. bk. Sp. Sh.            | gy. S. bk. Sp. Sh.            | SW.        | 2      | E.          | 1           | L. B. T.         |
| 2675           | May 6          | 10 a. m.    | 32 32 30  | 77 15 00 | 73            | 75       | 45.8    | gy. S. bk. Sp. Sh.            | gy. S. bk. Sp. Sh.            | SW.        | 2      | E.          | 1           | L. B. T.         |
| 2676           | May 6          | 12:19 p. m. | 32 39 00  | 77 01 00 | 73            | 77       | 45.8    | gn. Oz. gy. S.                | gn. Oz. gy. S.                | SW.        | 2      | E.          | 1           | L. B. T.         |
| 2677           | May 6          | 2:49 p. m.  | 32 39 00  | 76 50 30 | 75            | 78       | 39.3    | gn. M.                        | gn. M.                        | SW.        | 2      | E.          | 1           | L. B. T.         |
| 2678           | May 6          | 5:42 p. m.  | 32 40 00  | 76 40 30 | 74            | 77       | 38.7    | br. gy. Oz.                   | br. gy. Oz.                   | SSW.       | 3      | SSW.        | 1           | L. B. T.         |
| 2679           | May 6          | 8:14 p. m.  | 32 40 00  | 76 40 30 | 72            | 75       | 38.6    | br. gy. Oz.                   | br. gy. Oz.                   | SSW.       | 3      | SSW.        | 1           | L. B. T.         |
| 2680           | July 16        | 3:27 a. m.  | 33 30 00  | 70 26 00 | ...           | ...      | 585     | No specimen.                  | No specimen.                  | S, by E.   | 5      | SSE, 1/2 E. | 1           | L. B. T.         |
| 2681           | July 16        | 12:55 p. m. | 33 43 00  | 70 29 00 | ...           | ...      | 900     | gn. M.                        | gn. M.                        | S.         | 4      | SE.         | 1           | L. B. T.         |
| 2682           | July 16        | 5:28 p. m.  | 33 43 00  | 70 22 00 | ...           | ...      | 1,004   | gn. M. S.                     | gn. M. S.                     | WSW.       | 3      | SE, by E.   | 1           | L. B. T.         |
| 2683           | July 17        | 5:04 a. m.  | 33 33 00  | 70 50 00 | ...           | ...      | 887     | br. Oz.                       | br. Oz.                       | SSW.       | 2      | SE, by S.   | 1           | L. B. T.         |
| 2684           | July 17        | 8:18 a. m.  | 33 35 00  | 70 54 00 | ...           | ...      | 1,106   | br. C. bk. Sp.                | br. C. bk. Sp.                | SSW.       | 2      | SSW.        | 1           | L. B. T.         |
| 2685           | July 17        | 1:59 p. m.  | 33 35 00  | 71 02 30 | ...           | ...      | 1,137   | gn. M. wh. Sp.                | gn. M. wh. Sp.                | Galm.      | 0      | S.          | 1           | L. B. T.         |
| 2686           | July 18        | 4:31 a. m.  | 33 52 00  | 71 20 45 | ...           | ...      | 226     | gn. M.                        | gn. M.                        | SW.        | 2      | W.          | 1           | L. B. T.         |
| 2687           | July 18        | 8:12 a. m.  | 33 46 00  | 71 19 00 | ...           | ...      | 326     | gn. M.                        | gn. M.                        | SW.        | 1      | W.          | 1           | L. B. T.         |
| 2688           | July 18        | 8:17 a. m.  | 33 42 00  | 71 12 00 | ...           | ...      | 644     | gn. M.                        | gn. M.                        | SW.        | 1      | SW, by W.   | 1           | L. B. T.         |
| 2689           | July 18        | 10:18 a. m. | 33 42 00  | 71 15 30 | ...           | ...      | 525     | gn. M.                        | gn. M.                        | SSW.       | 1      | NW.         | 2           | L. B. T.         |
| 2690           | July 18        | 1:12 p. m.  | 33 39 00  | 71 11 00 | ...           | ...      | 643     | gn. M.                        | gn. M.                        | Galm.      | 0      | NW.         | 1           | L. B. T.         |
| 2691           | July 18        | 5:18 p. m.  | 33 37 00  | 71 08 00 | ...           | ...      | 835     | br. gy. S.                    | br. gy. S.                    | SSW.       | 1      | NW.         | 1           | L. B. T.         |
| 2692           | Aug. 11        | 10:49 a. m. | 46 50 00  | 44 35 00 | ...           | ...      | 73      | rd. and gn. S. bk. and gy. P. | rd. and gn. S. bk. and gy. P. | W.         | 3      | W, by S.    | 1           | L. B. T.         |
| 2693           | Aug. 11        | 12:09 p. m. | 46 53 00  | 44 29 30 | ...           | ...      | 78      | rd. and gn. S. bk. and gy. P. | rd. and gn. S. bk. and gy. P. | NW.        | 3      | W, by S.    | 1           | L. B. T.         |
| 2694           | Aug. 11        | 1:55 p. m.  | 46 52 30  | 44 34 30 | ...           | ...      | 80      | gy. S. bk. Sp.                | gy. S. bk. Sp.                | WSW.       | 3      | W, by S.    | 1           | L. B. T.         |
| 2695           | Aug. 11        | 3:44 p. m.  | 46 51 30  | 45 06 30 | ...           | ...      | 105     | gy. S. bk. Sp. P.             | gy. S. bk. Sp. P.             | W.         | 3      | NW.         | 1           | L. B. T.         |
| 2696           | Aug. 11        | 4:33 p. m.  | 46 53 30  | 45 05 30 | ...           | ...      | 98      | gy. S. bk. Sp.                | gy. S. bk. Sp.                | W.         | 3      | NW.         | 1           | L. B. T.         |
| 2697           | Aug. 12        | 12:09 p. m. | 47 40 00  | 47 35 30 | ...           | ...      | 206     | gn. M. bk. Sp.                | gn. M. bk. Sp.                | SSW.       | 2      | SW, by S.   | 1           | L. B. T.         |
| 2698           | Aug. 22        | 8:10 a. m.  | 45 07 00  | 55 09 00 | ...           | ...      | 90      | gy. S. bk. Sp. P.             | gy. S. bk. Sp. P.             | SSW.       | 2      | S, by W.    | 1           | L. B. T.         |
| 2699           | Aug. 22        | 10:53 a. m. | 45 04 00  | 55 23 00 | ...           | ...      | 72      | Co.                           | Co.                           | WSW.       | 2      | E, 3/4 S.   | 1           | L. B. T.         |



