

*U. S. F. C.  
Records,*

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1078 to 1121

Copy

A

Station's 1078 to

1078

*Astrophyton agassizii*, abdt.  
*Aleyonium carneum*, rare,  
*Strongylocentrotus drobachi*. (1)  
*Asterias vulgaris*  
*Ctenodiscus crispatus*  
*Leptasterias compl.*  
*Rossea Hyattii*  
*Cyprina Islandica*  
*Fusus decemcostatus*

All bearings

Magnetic.

*Buccinum undatum*  
*Eupagurus*  
*Pandalus*  
*opheopholis aculeata*  
*Mysis,*  
*Solaster endeca* (large)  
*Diplo. Stimpsoni.*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1078.

Date, Aug. 2. 1882

Locality, off Cape Cod

Bearings, Nauset Beacons

N.W. 1/4 N, dist. 10 miles

Time of day, 7.30 A.M.; ~~of tide~~

State of sky, b.c.

Temperature of air, 72. ~~sig. serv. therm.~~

" surface of water, 63° N.Z. 47996

" at depth of 5 fathoms, 56°  $\frac{1}{2}$  of. 40°

" of bottom, 37. N.Z. 47995.

Depth, in fathoms, 53-55.

Nature of bottom, green mud, fine sand

Direction of surface current, wind W. S. W. force 3.

Force of surface current, ~~writh~~ S. by W. 1/2 m.

Direction of bottom current,

Force of bottom current,

Name of vessel, Fish Hawk.

To what service attached, U.S.A.C.

Name and rank of commanding officer, Lieut. J. L.

Tanner, U.S.N.

Name and position of observer,

J. B. Bleeker

Midn. U.S.N.

1079.

REMARKS.

*Actinopeltis Agassizii* Abbt  
*Lepis decemcostatus* S.  
*Cyprina Islandica*  
*Macoma sabulosa*  
*Terebratula*  
*Lacuna arctica*  
*Glycimeris siliqua*  
*Anomia aculeata*  
*Astarte lens* Walv.  
*Articina callosa*

## TEMPERATURE RECORD.

Instrument used,

Trawl.

Current number of observation, 1079.

Date, Aug. 2, 82.

Locality, off Cape Cod.

Bearings, Hauiset Beacon

N. W. by W.  $\frac{1}{2}$  N.  $8\frac{1}{4}$  m

Time of day, 8:40 A. of tide,

State of sky, f. c.

Temperature of air, 69.

" surface of water, 63.5

" at depth of 5 fathoms, 56.5

" of bottom, 37.

Depth, in fathoms, 59-6 $\frac{1}{2}$

Nature of bottom, fine sand

Direction of surface current,

Force of surface current, E. S. E. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

*Astrophyton Agassizii*, very abdt.  
*Sipho decemcostatus*.  
*Ayas.* *Eupagurus*.  
*Poterias vulgaris*, very large.  
*Reclita Islandica*.  
*Taccaea Norvegica*  
 " *arctica*  
*Cypria Islandica*  
*Glycimeris*  
*Cardium Islandicum*.  
*Lipha Timpanoni*  
*Macoma sabulosa*  
*Buccinum undatum*  
*Aporrhais occidentalis*  
*Anomia aculeata*  
*Hippasteria phrygania*  
*Solaster endeca*,  
*Urticina callosa*  
*Polycera Friedae*.  
*Ctenodiscus crispatus*.  
*Chalina*

## TEMPERATURE RECORD.

Instrument used,

*Travel*

Current number of observation, 1080.

Date, Aug. 2. 1882

Locality, off Cape Cod

Bearings, Nauset Beacons  
W. W. by N. 1/2 W. 67° 2' m

Time of day, 9.40 <sup>of tide</sup>,

State of sky, b. c.

Temperature of air, 69.

" surface of water, 61.5

" at depth of 5 fathoms, 56.

" of bottom, 37.

Depth, in fathoms, 53-55.

Nature of bottom, fine sand

Direction of surface current,

~~Force of surface current,~~ drift W. N. W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

*Cardium Islandicum*

*Glycimeris siliqua*

*Sipho Islandicum*

*Spisula ovalis*

*Modularia discors*.

*Pecten Islandicus*

*Saccicava arctica*

*Buccinum undatum.*

*Macoma sabulosa*

*Sipho decemcostata*.

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1081.

Date,

Aug. 2. 1882

Locality,

off Cape Cod

Bearings,

W. by S., 5½ miles

Time of day, 10.50; of tide, m.

State of sky, b. c.

Temperature of air, 69.

" surface of water, 59.

" at depth of 10 fathoms, 40.

" of bottom, 39.

Depth, in fathoms, 32 to 33½

Nature of bottom, Coarse gravel & pebbles

Direction of surface current,

forw.

Force of surface current,

N. W. by N. 1m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1082.

REMARKS.

*Glycimeris siliqua*  
*Spirula ovalis*  
*Moderola modiolus*

## TEMPERATURE RECORD.

Instrument used,

Faawol

Current number of observation,

1082

Date, Aug. 2. 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light, N.W.

$\frac{3}{4}$  N.,  $11\frac{1}{2}$  miles

Time of day, 11.45 A.M. off tide,

State of sky, b.c.

Temperature of air, 70°

" surface of water, 59

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 27 - 28.

Nature of bottom, Coarse gravel

Direction of surface current,

Force of surface current, drift N. W. by N. 14 m.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

*Cyprina Islandica*  
*Apporhais occidentalis*  
*Glycimeris siliqua*  
*Lepho stejnegeri*  
*Pecten Islandicus*  
Leptula coeca?  
*Eupagurus*  
*Solaster endeca.*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1083,

Date, Aug. 2. 1882

Locality, off Cape Cod

Bearings, Cape Cod Light  
W. by N. 15 miles

Time of day, 12.45; of tide,

State of sky, b. c.

Temperature of air, 77.

" surface of water, 64

" at depth of 10 fathoms, 42

" of bottom, 38.

Depth, in fathoms, 80-83½

Nature of bottom,

Direction of surface current,

~~south~~ W. S. W. 12 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

water haul

## REMARKS.

*Pentacela pondoza*. very large.  
*Bolocera Thuediae*.  
*Pandalus leptoceros?*  
etras.  
*Peclen Islandicus*,  
*Spesula ovalis*.  
*Hycinetus siliquea*  
*Cyprina Islandica*,  
*Lipso Stimpsoni*  
*Peclen tenuirostratus*  
*Eupagurus*  
*Balanus porcatus?*  
*Anomia aculeata*  
*dolaseri endeca*.  
*Asterias vulgaris*,  
*Hippasteria phrygiana*  
*Leptasterias complana*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1084

Date,

Aug. 2. 1882

Locality, off Cape Cod

Bearings, Cape Cod Slight

3 hr. N.W., 3/8 m., 8 miles.

Time of day, 2.20 P.M.

State of sky, b.c.

Temperature of air, 78.

" surface of water, 62.5

" at depth of 10 fathoms, 43.5

" of bottom, 38.

Depth, in fathoms, 36-37½

Nature of bottom, Coarse sand

Direction of surface current,

W. drift Force of surface current, W. S. W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

*Astrophyton Agassizii*. very abdt.  
*Pandanus*.  
*Strongylacanthus Drobach*.  
*Aleyronium carneum*  
*Cupsa gratus*  
*Asterias vulgaris*  
*Leptasterias Compta*.  
*Cribrella sanguinolenta*  
*Hippasteria phrygiana*  
*Solaslei endeca*  
*Cyprina Islandica*  
*Cardium Islandicum*  
*Terebraria arctica*  
*Buccinum undatum*  
*Septa Timpanoni*  
*Glycimeris siligua*  
*Pecten tenuicostatus*  
*Astarte lens*,  
*Spisula ovalis*,  
*Apporfa occidentalis*  
*Pecten Islandicus*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1085.

Date, Aug. 3, 1882

Locality, off Cape Cod

Bearings, Race Point light.

S. 33° E., 2 miles.

Time of day, 6, 15 A.M.<sup>on tide</sup>,

State of sky, b, c,

Temperature of air, 67°,

" surface of water, 64,

" at depth of 5 fathoms, 61, 10 fms. 43,

" of bottom, 39.

Depth, in fathoms, 33 - 34 1/2

Nature of bottom, fine sand, green mud

Direction of surface current,

~~Wright~~ S. by E. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

*Astrophyton Agassizii*, <sup>Gymnusse</sup> Quantities  
*Ascidia vulgaris*.  
*Pandanus leptoceros*.  
*Ophiopholis aculeata*  
*Leptasterias Compta*  
*Solaster endeca*  
*Cribrella sanguinolenta*  
*Aleyrodon carneum*.  
*Pentacta pandora*, / large,  
*Lepto de crenulatus*  
*Modiolas modiolas*  
*Cardium Islandicum*  
*Spisula ovalis*  
*Cyprina Islandica*  
*Peleton Islandicum*  
*Margarita obscura*  
*Darevskia arctica*  
*Pseudostella Noachina*  
*Velutina halicoides*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1086,

Date, Aug. 3, 1882

Locality, off Cape Cod

Bearings, Race Pt. Light

S.  $20^{\circ}$  W.,  $2\frac{1}{4}$  miles

Time of day, 7 am; of tide,

State of sky, b.e.

Temperature of air, 74,

" surface of water, 64.

" at depth of 10 fathoms, 44.

" of bottom, 39 $\frac{1}{2}$

Depth, in fathoms, 33-34,

Nature of bottom, fine sand.

Direction of surface current,

Force of surface current, S.  $3\frac{1}{4}$  mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

*Hippasteria phrygiana*  
*Ayas.*

*Pandalus*

*Bolocera Thiedieci*

" *multicornis*

*Hydroids.*

*Bryozoa.*

*Cribrella sanguinolenta*  
*Rossia*

*Sipho decemcostatus*

*Cardium Icelandicum*

*Opisula ovalis.*

*Cyprina Icelandica*

*Pselen tenuicostatus*

*depcta coeca.*

*Sarcocava areteca*

# TEMPERATURE RECORD.

Instrument used,

Travel

Current number of observation, 1087.

Date, Aug. 3, 1882

Locality, off Cape Cod

Bearings, Cape Cod light  
S. S. W., 7 miles

Time of day, 8:30 a.m.

State of sky, h.e.

Temperature of air, 84.

" surface of water, 62.5

" at depth of 5 fathoms, 46.10 fm. 41.

" of bottom, 39.

Depth, in fathoms, 42-44.

Nature of bottom, grey sand

Direction of surface current,

Force of surface current, N. S. N. 1/2 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

*Apporhais occidentale*  
*Sipho decemcostatus.*  
*Terebratula septen.*  
*Buccinum undatum*  
*Cardium Celandicum*  
*Reclivit* "  
 " *tenuicostatus*  
*Astarte lens,*  
*Cyprina Celandica*  
*Dacryina ~~variegata~~*  
*Anomia aculeata*  
*Lunaria*  
*Natica clausa*  
*Maeoma sabulosa*  
*Modiolaria discors.*  
 3 Cephalopods,  
*Articina nodosa*  
*Boloena Friediae.*  
 " *multicornis.*  
*Pandalus borealis*  
*Hippasteria*  
*Solaster; Porania,*  
*Cribrella sanguinolenta*  
*Sponges. Ophiopholis aculeata*  
*Hippolyte. Hydroids. Bryozoa,*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1088

Date,

Aug. 3, 1882

Locality,

off Cape Cod

Bearings, Cape Cod Light

S. W. 3/4 N. 9 1/2 miles

Time of day, 9.50 at tide

State of sky, B. C.

Temperature of air, 82.5

" surface of water, 62

" at depth of 5 fathoms, 59.5

" of bottom, 38,

Depth, in fathoms, 86-90

Nature of bottom, Coarse sand

Direction of surface current,

drift

Force of surface current,

N. W. 1 1/2 miles

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

THE END OF THE RECORD

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1089

Date, Aug. 3, 1882

Locality, off Cape Cod

Bearings, Cape Cod Light  
S. W.  $\frac{3}{4}$  N. 14 miles

Time of day, 11.10; of tide, low

State of sky, hazy

Temperature of air, 78.

" surface of water, 63.

" at depth of fathoms,

" of bottom, 38.5

Depth, in fathoms, 106-110.

Nature of bottom, grey mud

Direction of surface current,

W. drift Force of surface current, N. W. by N. 34 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

Water haul

## REMARKS.

*Apponaria occidentalis*  
*Lavacina norvegia*  
*Solaria lens.*  
*Goldia Thraciformis*  
*Pecten Islandica*  
*Mya truncata*  
*Lipso pygmaea*  
*Dentalium striolatum*  
" " *occidentalis*  
*Goldia capatilla*  
*Nucera arctica*  
*Cardium pinnulatum*  
*Leda tenuisulcata*  
*Nucra sp.*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1090

Date, Aug. 3. 1882

Locality, Off Cape Cod

Bearings, Cape Cod Light

S. W. 31 $\frac{1}{4}$  N. 13 $\frac{3}{4}$  miles

Time of day, 11, 50; of tide am

State of sky, b. e.

Temperature of air, 81, 5°

" surface of water, 62

" at depth of 5 fathoms, 56, 10 fms 52,

" of bottom, 38, 5

Depth, in fathoms, 106 = 110.

Nature of bottom, grey mud

Direction of surface current,

Force of surface current, N.W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1091.

REMARKS.

*Archaeol. Americanus*, very abt.  
*Pandanus*.

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1091.

Date, Aug. 11, 1882.

Locality, Off Martha's Vineyard

Bearings, Lat.  $40^{\circ} 03' N.$

Lng.  $69^{\circ} 44' W.$

Time of day, 5:30; of tide, low

State of sky, clear

Temperature of air, 77.

" surface of water, 75.

" at depth of 10 fathoms, 62.

" of bottom, 46.

Depth, in fathoms, 62 = 65 fms.

Nature of bottom, grey sand & broken shells

Direction of surface current,

Wright

Force of surface current, N.W. by N.  $\frac{1}{2}$  mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1092.

REMARKS.

*Archaeaster Florae.*  
*Pennula aculeata*  
*Ateleton.*  
*Eupagurus.*  
*Randanus.*  
Worm tubes.  
*Schizaster fragilis*

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1092

Date, Aug. 11, 1882

Locality, off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 58'$  N.

Long.  $69^{\circ} 42'$  W.

Time of day, 6:54 A. M.

State of sky, b. c.

Temperature of air, 79.

" surface of water, 76

" at depth of fathoms,

" of bottom, 41.

Depth, in fathoms, 194 = 202.

Nature of bottom, gray sand

Direction of surface current,

W. S. W.

Force of surface current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

ARMED FORCES RECORD

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1093.

Date,

Aug. 11, 1882

Locality,

Off Martha's Vineyard

Bearings, Lat  $39^{\circ} 56' 00''$  N.

Long.  $69^{\circ} 45'$  - W

Time of day, 8, 35 a<sub>m</sub> at tide

State of sky, b. c.

Temperature of air, 82

" surface of water, 75,

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 336 = 349

Nature of bottom, sand & blue mud

Direction of surface current,

Force of surface current, N. N. W. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

# TEMPERATURE RECORD.

Instrument used,

Deep Sea Trawl

Current number of observation, 1094.

Date, Aug. 11, 1882.

Locality, Off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 57'$  N  
Long.  $69^{\circ} 47'$  W

Time of day, 10, 10; ~~at low~~

State of sky, ~~b. c.~~

Temperature of air, 84.

" surface of water, 76

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 301.

Nature of bottom, blue mud

Direction of surface current,

Force of surface current, drift, N.W. by N. 1 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

UNUSUAL AND RECONDITE

## TEMPERATURE RECORD.

Instrument used,

Deep Sea Trawl

Current number of observation,

1095.

Date,

Aug. 11, 1882

Locality,

Off Martha's Vineyard

Bearings,

Lat.  $39^{\circ} 55' 28''$  N.  
Long.  $69^{\circ} 47' 00''$  W.

Time of day,

11, 55 A.M.

State of sky,

b. c.

Temperature of air,

82

" surface of water,

76.

" at depth of fathoms,

of bottom, 40.

Depth, in fathoms,

321.

Nature of bottom,

soft green mud

Direction of surface current,

drift.

Force of surface current,

N. N. W.  $\frac{1}{2}$  W. 3 fm.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

# TEMPERATURE RECORD.

Instrument used, Trawl.

Current number of observation, 1096.

Date, Aug. 11, 1882

Locality, off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 53' N.$

Long.  $69^{\circ} 47' W$

Time of day, 1.39 P.M., of tide,

State of sky, b.c.

Temperature of air, 78.

" surface of water, 75.5

" at depth of fathoms,

" of bottom, 40.

Depth, in fathoms, 317.

Nature of bottom, green mud

Direction of surface current,

Force of surface current, drift, N.W. N.W.  $\frac{1}{2}$  mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

# TEMPERATURE RECORD.

Instrument used,

*Travel*

Current number of observation,

1097.

Date,

Aug. 11. 1882.

Locality, Off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 54' N.$

Long.  $69^{\circ} 44' W$

Time of day, 3.10 P.M., of tide,

State of sky, *dry*

Temperature of air, 76.

" surface of water, 76.5

" at depth of fathoms,

" of bottom, 45.

Depth, in fathoms, 158.

Nature of bottom, *fine sand*

Direction of surface current,

~~Force of surface current,~~ *N. 42 W. 1/2 mile*

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

# TEMPERATURE RECORD.

Trawl

Instrument used,

Current number of observation, 1098.

Date, Aug. 11, 1882.

Locality, off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 53'$  N.

Long.  $69^{\circ} 43'$  W.

Time of day, 4.35 P.M., of tide,

State of sky, b.c.

Temperature of air, 78.

" surface of water, 75.

" at depth of fathoms,

" of bottom, 43.5

Depth, in fathoms, 156.

Nature of bottom, fine sand

Direction of surface current,

Force of surface current, Drift, or, by E. 3/4 mile

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1099

Date, Aug. 18<sup>th</sup> 1882

Locality, Vineyard Id.

Bearings, Stobska Rh. Light  
N. S. W. 14 N. 1578 miles

Time of day, 11.06; ~~at tide~~

State of sky, Partly cloudy

Temperature of air, 76,

" surface of water, 72

" at depth of fathoms,

" of bottom, 71.5

Depth, in fathoms, 6,

Nature of bottom, Sand, gravel

Direction of surface current,

Force of surface current, N.E. by N. 1/2 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

LEMMELVINE RECORD

# TEMPERATURE RECORD.

Instrument used, Trawl

Current number of observation, 1100.

Date, Aug. 18. 1882,

Locality, Vineyard Isd

Bearings, Goldskaft Light  
N. S. W. 14 m. 14 miles

Time of day, 11.47 A.M.; of tide,

State of sky, b. c.

Temperature of air, 77.  
" surface of water, 72.

" at depth of      fathoms,

" of bottom, 71.5

Depth, in fathoms, 4 3/4.

Nature of bottom, sand gravel, shells

Direction of surface current,

Force of surface current, W.S. by N. 42 m.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

JENNEDYLINE SECOND

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1101.

Date, Aug. 18. 1882

Locality, Vineyard Sd

Bearings, Abisko Pt Light.

N. by S. 1 $\frac{1}{2}$  miles.

Time of day, 12.15 P.M. of tide.

State of sky, b.c.

Temperature of air, 78.

" surface of water, 72.

" at depth of fathoms,

" of bottom, 71.

Depth, in fathoms, 5.

Nature of bottom, shells.

Direction of surface current,

Force of surface current, N.E. 1 m.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

LEPILOVSKY SECOND

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1102

Date, Aug. 18. 1882

Locality, vineyard Isd

Bearings, East Chop Light  
Alt. 3/4 m. 212 miles

Time of day, 110 P.M., of tide,

State of sky, clear

Temperature of air, 73.

" surface of water, 70

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms, 5,

Nature of bottom, Coarse sand

Direction of surface current,

Force of surface current, Drifts E by S. 72 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

LEWISBURG BECOMES

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1103.

Date,

Aug. 18. 1882

Locality,

Vineyard Isd

Bearings,

East Chop. eight

N. W. by W. 23 $\frac{1}{4}$  m

Time of day,

1,42 P.M. of tide

State of sky,

0°C

Temperature of air,

70.

" surface of water,

70.

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms,

5.

Nature of bottom,

Coarse sand

Direction of surface current,

Force of surface current,

E. by S. 1/4 m

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

LEWIS JONES SECOND

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1104,

Date,

Aug. 18, 1882

Locality, vineyard Id

Bearings, East Chop light.

W. from N. 4 miles

Time of day, 2, 12 P.M., of tide

State of sky, b.c.

Temperature of air,

79.

" surface of water,

70

" at depth of fathoms,

" of bottom, 69.

Depth, in fathoms,

8 $\frac{1}{2}$

Nature of bottom,

shells

Direction of surface current,

72 mds.

Force of surface current,

drift N. by W.  $\frac{3}{4}$  M.P.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

LEMMERMAYER REC'D

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1105

Date, Aug. 18, 1882

Locality, vineyard Isd.

Bearings, Cape Rose light  
S by W 4 miles

Time of day, 3 P.M., of tide,

State of sky, b.s.

Temperature of air, 80.

" surface of water, 72

" at depth of fathoms,

" of bottom, 76

Depth, in fathoms, 10.

Nature of bottom,

Coarse sand

Direction of surface current,

Drift N.E. x E. 72°. 2 miles

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1106

**REMARKS.**

1.0227	72
1.0227	72

# TEMPERATURE RECORD.

Instrument used,

*Traverse*

Current number of observation,

1106

Date,

Aug 18 1882

Locality,

Vineyard Sound

Bearings,

S and Poge S't. House

S X N  $\frac{1}{2}$  N  $5\frac{1}{2}$  miles

Time of day, 8.35 ; of tide,

beginning of most

State of sky, *fc*

Temperature of air, 80

" surface of water,  $72\frac{1}{2}$

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 5

Nature of bottom, sand & shells

Direction of surface current, N. E. Force 3

*Drift*

Force of surface current,

N.E. x N  $\frac{1}{2}$  mile.

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1107

**REMARKS.**

Specific Gravity

Surface	1.0244	67
8 fms	44	67
10 fms	48	68

Travel over 6.12 down 6.25  
 leaving in 6.46 up 6.54  
 220 fms. out

Water Haul

## TEMPERATURE RECORD.

Instrument used, Trawl (came up empty)

Current number of observation, 1107

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat  $41^{\circ} - 02'$  N  
Long.  $70^{\circ} - 35'$  W

Time of day, 6.08 A.M. of tide,

State of sky, 

Temperature of air,  $69\frac{1}{2}$

" surface of water, 71

" at depth of 5 fathoms,  $71\frac{1}{2}$  ~~10 fms~~ 66

" of bottom, 48

Depth, in fathoms, 116

Nature of bottom, ~~W.~~ grey mud

Direction of surface current, ~~W.S.W.~~ Force 2

Force of surface current, ~~Drift~~ N.W. 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

**REMARKS**  
Specific Gravities

Surface	1.0249	67
5 fms	42	68
10 fms.	42	68

Travel over 6.58 down 7.07  
 having in 7.97 up 7.50  
8.7 fms. out.

# TEMPERATURE RECORD.

Instrument used,

*Drum*

Current number of observation, 1108

Date,

Aug. 22 1882

Locality,

Off Northam's Vineyard

Bearings,

Lat.  $40^{\circ} 02' N$

Long.  $70^{\circ} 37' 30'' W$

Time of day, 6.55 ; of tide,

State of sky, *fc*

Temperature of air,

$69 \frac{1}{2}$

" surface of water, 71

" at depth of fathoms,

" of bottom, 48

Depth, in fathoms,

101

Nature of bottom,

*Grey mud & fine sand*

Direction of surface current,

*W.S.W. Force 2*

Force of surface current,

*N.W. 3/4*

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1109

**REMARKS.**

Specific Gravities

Surface	1.0243	66
5 fms.	49	66
10 fms	44	68

Travel over 8.00 down 8.10  
leaving in 8.40 up 8.50  
250 fms out

## TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1109

Date, Aug. 22 1882

Locality, off Martha's Vineyard

Bearings, Lat. 41°-42° N

Long 70°-88° W

Time of day, 17.35; of tide,

State of sky, fc

Temperature of air, 78 1/2

" surface of water, 71

" at depth of fathoms,

" of bottom, 219

Depth, in fathoms, 89

Nature of bottom, gray sand

Direction of surface current, North force 2

Drift Force of surface current, N. N.W. 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1110

**REMARKS.**

Shee. Grav.

Surface 1,023.5 72

5 fms 83 72

10 " 87 71

Travel over 9.25 down 9.83  
bearing in 10.05 up 10.18  
900 fms out

# TEMPERATURE RECORD.

Instrument used,

*Travel*

Current number of observation, **1110**

Date, **Aug. 22 1882**

Locality, **Off Martha's Vineyard**

Bearings, Lat.  $41^{\circ} - 02' N$

Long.  $70^{\circ} - 33' W$

Time of day, **9.16**; of tide,

State of sky, **Sc**

Temperature of air, **75**

" surface of water, **72**

" at depth of                  fathoms,

" of bottom, **47**

Depth, in fathoms, **150**

Nature of bottom, **green mud & fine sand**

Direction of ~~surface current~~, **w. force 2**

Force of ~~surface current~~, **Drift N x W 1/2 W 1'**

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1111

## REMARKS.

Spec. Grav.

Surface	1.0289	71
5 fms	40	70
10 fms	40	72

Travel over 10.30 down 10.57  
 leaning in 11.30 up 11.40  
 8.77 fms out.

# TEMPERATURE RECORD.

Instrument used,

Deep Sea Trawl

Current number of observation, 1111

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat  $41^{\circ} 33' N$

Long  $70^{\circ} - 83' W$

Time of day, 18.43 ; of tide,

State of sky, be

Temperature of air, 78

" surface of water, 72 N.W. 48482

" at depth of 3 fathoms, 71

" of bottom, 47

Depth, in fathoms, 224

Nature of bottom, fine sand

Direction of surface current, N.E. force 2

Force of surface current, N.N.E. 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1112

**REMARKS.**

Spec. Grav.

Surface	1.0240	69
5 fms	41	70
10 fms	48	89

Travel over 12.55 down 1.85  
 leaning in 1.88 up 1.45  
 480 fms. out

# TEMPERATURE RECORD.

Instrument used, Deep Sea Trawl

Current number of observation, 1112

Date, Aug 22 1882

Locality, Off Martha's Vineyard

Bearings, Latitude  $39^{\circ} 36' N$   
Long.  $70^{\circ} - 85' W$

Time of day, 12.43 ; of tide,

State of sky, b.c.

Temperature of air, 72

" surface of water, 72

" at depth of 5 fathoms, 72, 18 fms 63

" of bottom, 43

Depth, in fathoms, 248

Nature of bottom, green mud & sand

Direction of surface current, Wind NW X N 1°

Force of surface current, Drift N.W. X N. 1°

Direction of bottom current, Temperature at 20 fms 49

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1113

**REMARKS.**

Spec. grav.

Surface 1.0240 68

3 fms 40 70

10 " 41 70

Gravel over 1.54 down 2.03

bearing in 2.25 up 2.40

975 fms. out

# TEMPERATURE RECORD.

Instrument used, Deep Sea Trawl

Current number of observation, 1118

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 57' N$   
Long.  $70^{\circ} 37' W$

Time of day, 1, 43; of tide,

State of sky, fc

Temperature of air, 75°

" surface of water, 72

" at depth of 5 fathoms,  $71\frac{1}{2}$  fms 63 $\frac{1}{2}$

" of bottom, 43

Depth, in fathoms, 192

Nature of bottom, green mud

Direction of surface current, Wind A.E. force 2

Force of surface current, Drift North 1'

Temperature at 20 fms 49

Direction of bottom current, " 30 " 46

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1114

REMARKS.

Tram over 2.48 down 2.53 -  
leaving in 3.16 up 8.28  
800 fms out

# TEMPERATURE RECORD.

Instrument used,

Deep Sea Frame

Current number of observation,

1114

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Latitude  $39^{\circ} 38' N$

Long.  $70^{\circ} 38' W$

Time of day, 2:48; of tide,

State of sky,  $bC$

Temperature of air, 74

" surface of water, 72

" at depth of 3 fathoms,  $71\frac{1}{2}$  10 fms 83

" of bottom, 43

Depth, in fathoms, 101

Nature of bottom, green mud

Direction of surface current, N.E. force 2

Force of surface current, 4 X N 1'

Temperature at 50 fms 43°

Temperature " 50 " 49°

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

Bottom Thermometer

X N.Y. # 47998

1115-

REMARKS.

Dredge over 8.83 down 8.44  
leaving in 4.11 up 4.20  
975 fms out  
No fish.

# TEMPERATURE RECORD.

Instrument used,

Rake Dredge

Current number of observation,

1118

Date,

Aug. 22 1882

Locality,

Off Martha's Vineyard

Bearings,

Lat.  $39^{\circ} - 59' N$

Long.  $70^{\circ} - 41' W$

Time of day, 5:28 P.M. of tide,

State of sky,  $\frac{1}{2}$ C

Temperature of air, 75°

" surface of water,  $72\frac{1}{2}$

" at depth of 5 fathoms,  $72 \frac{1}{2}$  fms 70

" of bottom, 45°

Depth, in fathoms, 146

Nature of bottom, green mud & sand

Direction of surface current, Wind

Force of surface current, Drift

N.E. force 2'

Force of surface current,  $1\frac{1}{2} \times 2 \frac{3}{4}$

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1116

REMARKS.

Drove over 4.26 down 4.83  
leaving in 4.53. up 5.07  
80 fms. out  
At 5.08 got sounding in  
146 fms.

# TEMPERATURE RECORD.

Instrument used,

Frasse

Current number of observation,

1116

Date, Aug. 22 1882

Locality, Off Martha's Vineyard

Bearings, Lat.  $39^{\circ} 39' N$

Long.  $70^{\circ} 44' W$

Time of day, 4.20 ; of tide,

State of sky, f.c

Temperature of air, 77

" surface of water, 72

" at depth of 5 fathoms, 72 18 fms 68

" of bottom, 46

Depth, in fathoms, 144

Nature of bottom, hard sand & green mud

Direction of surface current, S.E. force 2

Force of surface current, NW x NW 1'

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## 1117 REMARKS.

Flew over 5.37 down 5.41  
leaving in 6.08 up 6.12  
240 fms out

# TEMPERATURE RECORD.

Instrument used,

*Franke*

Current number of observation,

*1117*

Date,

*Aug. 22 1882*

Locality,

*Off Martha's Vineyard*

Bearings,

*Lat. 40° 02' N*

*Long. 70° 43' W*

Time of day,

*3.30*; of tide,

State of sky,

*fc*

Temperature of air,

*78*

" surface of water,

*72*

" at depth of

*5 fathoms, 72* ~~11 fms 82~~

" of bottom,

*48*

Depth, in fathoms,

*89*

Nature of bottom,

*Fine sand*

Direction of surface current,

*N Force 8*

Force of surface current,

*N E 1'*

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1118

**REMARKS.**

Trawl over 6.25° down 6.30  
bearing in 6.33° up 6.40  
2410 fms. out

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation,

1118

Date,

Aug 22 1882

Locality,

Off Northam's Vineyard

Bearings,

Lat.  $40^{\circ} 03' N$   
Long.  $70^{\circ} - 43' W$

Time of day,

620 P.M.

of tide,

State of sky,

fc

Temperature of air,

74

" surface of water,

72

" at depth of fathoms,

" of bottom, 49

Depth, in fathoms,

78

Nature of bottom,

fine sand

Direction of surface current,

Wind N force 2

Force of surface current,

Drift N.N.W  $1\frac{1}{4}$

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1119

REMARKS.

Trawled over 6.97 down 6.41  
bearing in 7.12 up 7.22  
215 fms. out.

At 5.22 got sounding in 5.6 fms.

Large *Neopilina decemcostata*.

Aechates *Americanus*.

# TEMPERATURE RECORD.

Instrument used,

*frame*

Current number of observation, 1119

Date, Aug. 26 1882

Locality, Off Nantucket

Bearings, Lat.  $40^{\circ} 8' N$

Long.  $68^{\circ} - 45' W$

Time of day, 6.32 P.M. of tide,

State of sky, *fc*

Temperature of air, 68

" surface of water, 65

" at depth of 5 fathoms, 65

" of bottom, 48

Depth, in fathoms, 97

Nature of bottom, sand & broken shells

~~Wind~~, N.N.E. force 3

~~Drift~~, N.E.  $\frac{1}{2}$  N  $\frac{3}{4}$

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

Travel over 7.5° down 8.0°  
bearing in 8.9° up 8.45°

&lt;

Lots of *Astrophyton Samarekii*  
not before taken by us.  
*Dolium Bairdii*, frag.  
*Neptunia decemcostata*  
*Sipho Simpsoni*  
*Buccinum undatum*  
*Sipho pubescens*  
*Addisonia paradoxa*  
*Doris complanata*  
*Hyalinococcia artifex*  
*Diplasterias multipes*  
*Brissopsis lyrafera*  
*Bolocera Tiediae*  
*Porania spinulosa*  
*Archaster Agassizii*

# TEMPERATURE RECORD.

Instrument used,

*Frawle*

Current number of observation,

*1120*

Date,

*Aug. 26 1882*

Locality,

*Off Nantucket*

Bearings,

*Lat 40° - 05' N*

*Long. 68° - 48' W*

Time of day,

*7 42 A.M.*

of tide,

State of sky,

*Sc*

Temperature of air,

*69*

" surface of water,

*65*

" at depth of

*5 fathoms, 65, at 10 56*

" of bottom,

*49 1/2*

Depth, in fathoms,

*194*

Nature of bottom,

*fine sand + stones*

Direction of surface current,

*Wind N.W. from*

*Drift*

Force of surface current,

*N.W. 1 1/2*

Direction of bottom current,

Force of bottom current,

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## REMARKS.

Travel over 9.18 down 9.28  
 leaving in 9.48 up 10.05  
 550 fms. out.

Large lot *Ophicantha*  
*millespina*  
*Bolocera Tridacna* lot.  
*Hyalinocia artifex* "  
*Dolium Bairdii* frag.  
*Pecten vitreus*  
*Urticina callosa*  
*Paramuricea borealis*  
*Anelidium devulatum*.  
*Porania frondis*, 1 very  
 large, taken home alive  
*Solaster Earlii*, large  
*Lophaster fucifer*  
 (very rare) This out  
 last not taken in  
 this region before

# TEMPERATURE RECORD.

Instrument used,

Trawl

Current number of observation, 1121

Date, Aug 26 1882

Locality, Off Nantucket

Bearings, Lat.  $40^{\circ} - 04' N$

Long.  $68^{\circ} - 49' W$

Time of day, 9.05 A.M. of tide,

State of sky, fc

Temperature of air, 65

" surface of water, 65

" at depth of 5 fathoms, 64 10 fms 86

" of bottom, 41  $\frac{1}{2}$

Depth, in fathoms, 294

Nature of bottom, fine sand & fossil stones

Direction of surface current, NNE force 4

Drift, N-NW 1'

Direction of bottom current,

Force of bottom current, \*

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

## **REMARKS.**