

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

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1122 to 1155

U. S. Fish Comm.
Dredging Records,
Nos. 1122-1149.
1882.

11 22

Trawl over 10 38 down 11.30
heaving in 11.23 up 11.45
600 fms. out.

Great lot of *Acanella*
horvathi, with *Astro-*
chela *Symami* on it,
and *Psidium vitreum*

TEMPERATURE RECORD.

Instrument used, *Trawl*

Current number of observation, *1122*

Date, *Aug 26th 1882*

Locality, *off Nantucket*

Bearings, *Lat. 40°-02' N*
Long. 68°-30' W

Time of day, *11.28* ; of tide,

State of sky, *bc*

Temperature of air, *70*

“ surface of water, *67*

“ at depth of *5* fathoms, *66* *10 fms.* *60*

“ of bottom, *40 1/2*

Depth, in fathoms, *337 = 351*

Nature of bottom, *2 sand & stones*

Direction of surface current, *Wind N.W.E. force 4*

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

Direction of bottom current,

Force of bottom current,

Name of vessel, *Fish Hawk*

To what service attached, *U.S. Fish Commission*

Name and rank of commanding officer, *Lieut J. L. Tanner. U.S.N.*

Name and position of observer, *J. B. Blish*
Midshipman, U.S.N.

REMARKS.

11 2 3

Trawl over 12.31 down 12.57
 heaving in 3.22 up 3.33
 At 2.35 got east of led. in 4.27
 -880 fms out

Synalaba

Very interesting haul of
 rare things.

Phormosoma Sigsbeyi

Eledone verrucosa

3 specimens 1st taken by Fish Com.
New Pennatulid

Colossendeis Colassea

Several flexible sea urchins

Phormosoma Sigsbeyi

New Starfish

Pleurotomella Agassizii

Margarita regalis

Pecten vitreus

26

33

59

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1128*
 Date, *Aug. 28th 1882*
 Locality, *Off Nantuxet*
 Bearings, *Lat 39° 39' 45" N*
Long. 69° 54' W
 Time of day, *12.00* ; of tide.
 State of sky, *b.c*
 Temperature of air, *70*
 " surface of water, *69*
 " at depth of fathoms,
 " of bottom, *39*
 Depth, in fathoms, *761 = 787*
 Nature of bottom, *Sand & Green mud*
 Direction of ~~surface current~~, *wind N. N. E Force 4*
~~Force of surface current~~, *Drift 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,
 J. W. Blister
 Mid'n U.S.N.

1124

REMARKS.

Trawl over 429 down 4.44
Leaving in 5.17 up 5.44?
831 fms out

Large limestone nodules.
Large haul, and valuable

- Acanella Normani*, ^{large} lot.
Acanthogorgia armata
Bolocera Truediae.
Pandalus propinquus.
Diploaster multipes.
Leryon quinquegens.
Octopus Bairdii
Rossia megaptera - 20 known
1st by us.
Neo Chiton
Pennatulula borealis.
Hyalinoccia arlifera lot.
Atrochete Symani on *Acanella*
Calliostoma occidentale
Aporrhais occidentalis
Margaria regalis
Sipho pubescens
Choristis elegans
Neo Chiton (*Mopalia*?)
Simopsis minuta
Pennatulula borealis (2)

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1124*

Date, *Aug 26 1882*

Locality, *off Nantucket*

Bearings, *Lat 40° - 01' N
Long 68° - 54' W*

Time of day, *4.01* ; of tide.

State of sky, *bc*

Temperature of air, *65*

" surface of water, *65*

" at depth of _____ fathoms,

" of bottom, *99*

Depth, in fathoms, *630 - 640*

Nature of bottom, *fine sand & green mud*

Direction of ~~surface~~ ^{*Wind*} current, *N.W.E. Force 4*

~~Force of surface current,~~ ^{*drift*} *N.W. x N 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,

*J. W. Blist
Midin. U.S.N.*

1123

REMARKS.

Trawl over 6.08 down 6.10
 hauling in 6.32 up 6.50
 577 fms out

Hyaliocacia arctifera
Acanella normani
Bunodes Tuediae
Lagarctia abyssicola
Pandalus propinquus
Lithodes mada
Geryon quinquebens
Pecten vitreus
Terebratulina septentrionalis
Scaphander puncto-striatus
Schizaster fragilis

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1125*
 Date, *Aug 26 1882*
 Locality, *Off Nantuxet*
 Bearings, *Lat 40°-03' N*
 Long 68°-56' W
 Time of day, *5.45* ; of tide.
 State of sky, *b.c*
 Temperature of air, *65*
 " surface of water, *64*
 " at depth of fathoms,
 " of bottom, *40*
 Depth, in fathoms, *284-291*
 Nature of bottom, *Sand & Mud*
 Direction of surface current, *Wind N. N. E. Force 4*
 Drift N. N. W. x W 1'
~~Force of surface current,~~
 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,

1126.

REMARKS.

Cancer borealis

" *erronatus*.

Platyonchus ocellatus

Stomatopus americanus

Stomatopus *truncatus*

Mysis edulis.

Echinarachnium palma

Ascidia floribunda

A. - bulgarica

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation. *1196*
Date, *Aug. 28 1882*
Locality, *Vineyard Sound*
Bearings, *Say, Head St. House*
N.S.W. 2 3/4
Time of day, *1.46* ; of tide, *half ebb (west)*
State of sky, *b.c*
Temperature of air, *72*
" surface of water, *66*
" at depth of _____ fathoms,
" of bottom, *63 1/2*
Depth, in fathoms, *14*
Nature of bottom, *black mud & sand*
Direction of ~~surface current~~, *Wind S.E. Force 4*
~~Force of surface current.~~ *Drift S.E. 1/2 E 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,

1127

REMARKS.

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1197*
 Date, *August 22 1882*
 Locality, *Weymouth Sound*
 Bearings, *East Head Light*
N 85° 3'
 Time of day, *2.30* ; of tide, *ebb (west)*
 State of sky, *b.c*
 Temperature of air, *65*
 " surface of water,
 " at depth of fathoms,
 " of bottom, *64*
 Depth, in fathoms, *10*
 Nature of bottom, *gray sand*
 Direction of ~~surface~~ *wind* *E.S.E* *Force 4*
 Force of ~~surface~~ *Draft* *E.S.E* *12*
 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.

1128

REMARKS.

same as 1126.

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1128*
 Date, *Aug. 28 1882*
 Locality, *W. end of Sound*
 Bearings, *Gay Head Pt. 1st 300 =*
N 3/4 S 1/2 E
 Time of day, *3.10* ; of tide, *ebb.*
 State of sky, *b.c.*
 Temperature of air, *19*
 " surface of water, *66*
 " at depth of fathoms,
 " of bottom, *65*
 Depth, in fathoms, *9*
 Nature of bottom, *grass sand & mud*
 Direction of ~~surface current~~ *W. 1/4 S 1/2 E Force 4*
 Force of surface current, *5 x E 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,

REMARKS.

Echinorachis parva
Asterias

Molgula arcuata
Asterias, *Capitulum*

Cancer eroratus

Eubalanus boltoni

Fritillaria leucitula

Halysia leucitula

Halysia leucitula

Maclura solidaginea

Syzygium

TEMPERATURE RECORD.

Instrument used, *Dredge*
Current number of observation. *1129*
Date, *Sept 2nd 1882*
Locality, *Off the N. side of*
Bearings, *Fishing, village*
South 1/2
Time of day, *2.00* ; of tide.
State of sky, *b.c*
Temperature of air, *72*
" surface of water, *65*
" at depth of fathoms,
" of bottom, *62*
Depth, in fathoms, *4*
Nature of bottom, *Sand & stones*
Direction of surface current, *W. 1/2 N. 1/2 E.*
~~Force of surface current.~~
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,

1130.

REMARKS.

Same species as 1129

TEMPERATURE RECORD.

Instrument used, *Dodge*
Current number of observation, *1193*
Date, *Sept 2nd 1882*
Locality, *Off Cape Cod*
Bearings, *Fishing range*
S 10 E 1/2
Time of day, *2.13* ; of tide.
State of sky, *b*
Temperature of air, *72*
" surface of water, *65*
" at depth of _____ fathoms,
" of bottom, *62*
Depth, in fathoms, *4*
Nature of bottom, *Sand & stones*
Direction of surface current, *with wind*
2.17 *1.10*
Force of surface current, *1.10*
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,

1131.

REMARKS.

Same as 1129

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation. *1131*
 Date, *Sept 2nd* 1882
 Locality. *off No Man's Land*
 Bearings. *Trusting Village*
S. E by
 Time of day, *2.29* ; of tide.
 State of sky, *bc*
 Temperature of air, *72*
 " surface of water, *65*
 " at depth of fathoms,
 " of bottom, *63*
 Depth, in fathoms, *4*
 Nature of bottom, *sand & shins*
 Direction of ~~surface~~ *wind E. N. E., force 4*
 Force of ~~surface~~ *current E x N 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,

1132

REMARKS.

Apr 20 1882

TEMPERATURE RECORD.

Instrument used, *D dredge*
 Current number of observation, *1132*
 Date, *Sept 2nd 1882*
 Locality, *off No. Mans board*
 Bearings, *Fishing village*
SE x E 1/4
 Time of day, *2.45* ; of tide.
 State of sky, *b.c.*
 Temperature of air, *72*
 " surface of water, *65*
 " at depth of fathoms,
 " of bottom, *62*
 Depth, in fathoms, *4*
 Nature of bottom, *Sand & shells*
 Direction of ~~surface current~~, *wind 2.45* *Force 10 4*
~~Force of surface current~~, *1.85* *e*
 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,

113 3

REMARKS.

2. 112.9

TEMPERATURE RECORD.

Instrument used, *Dredge.*
Current number of observation, *1133*
Date, *Sept 2nd 1882*
Locality, *Off the Maine Land*
Bearings, *Fishing Village*
S. E. 3/4
Time of day, *3.16* ; of tide.
State of sky, *b. c.*
Temperature of air, *72*
" surface of water, *55*
" at depth of _____ fathoms,
" of bottom, *LL*
Depth, in fathoms, *4*
Nature of bottom, *Sand & stones*
Direction of surface current, *E. by S. 1/2 S. 1/2 E.*
Drift
Force of surface current, *E X S 1/2 S*
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.

1.5-

Specific Grav		to
Surface	1.0285	55
5 fms.	1.0235	65

TEMPERATURE RECORD.

Instrument used, *Trawl*
Current number of observation, *1184*
Date, *Sept. 6th 1882*
Locality, *Menemsha Light, Mass.*
Bearings, *Gay Head Lt. + 10 mi. S. W.*
Time of day, *1:26* : of tide, *low*
State of sky, *b.c.*
Temperature of air, *76*
" surface of water, *66*
" at depth of _____ fathoms,
" of bottom, *64*
Depth, in fathoms, *9 1/2*
Nature of bottom, *s. d. + mud*
Direction of surface current, *Wind NE Force 4*
Force of surface current, *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.

TEMPERATURE RECORD.

Instrument used, *Trawl*

Current number of observation, *1154*

Date, *Sept 6th 1882*

Locality, *Vineyard Ground*

Bearings, *Gay Head Light House
N 1/2 S 8'*

Time of day, *2.20* ; of tide, *Slack (low) water*

State of sky, *b-c*

Temperature of air, *71*

“ surface of water, *66*

“ at depth of _____ fathoms,

“ of bottom, *4*

Depth, in fathoms, *7 1/2*

Nature of bottom, *sand & mud*

Direction of ~~surface~~ *wind* current, *NE 1/2 E*

Force of ~~surface~~ *1 1/2* current, *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.

1871.

TEMPERATURE RECORD.

Instrument used, *Dredge*
Current number of observation, *1136*
Date, *Sept 6th 1882*
Locality, *off Cape Cod*
Bearings, *Light House Pt. House*
N 5 W 1/2 N 3'
Time of day, *3:56* ; of tide, *East tide*
State of sky, *bc*
Temperature of air, *76*
" surface of water, *46*
" at depth of _____ fathoms,
" of bottom, *13*
Depth, in fathoms, *10*
Nature of bottom, *Mud*
Direction of ~~surface~~ current, *W 1/2 S*
Force of surface current, *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,

1137

REMARKS.

Surface 1.6 242 87
 sfms. 42 27
 " " 42 27
 Front door 1.12 1000 5.20
 leaving in 7.03 up 7.03
 873 fms. out
 At 7.06 overhauled in 1411 fms.

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1137*
 Date, *Sept. 8th 1882*
 Locality, *S. of Block*
 Bearings, *Lat. - 39° 46' N*
 Long. - 71° - 30' W
 Time of day, *6.00 AM*; of tide,
 State of sky, *bc*
 Temperature of air, *68*
 " surface of water, *76*
 " at depth of *5* fathoms, *69, 10 fms - 62 1/2*
 " of bottom, *46*
 Depth, in fathoms, *173*
 Nature of bottom, *fine sand*
 Direction of ~~surface~~ *Wind* current, *calm*
~~Force of surface current,~~ *2 kts N 1/2 W 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,

1138

REMARKS.

Siphon Gravit.

Surface	1.0241	70
5 fms	47	73
10 "	41	71
Trawl over	7.35	down 7.34
heaving in	8.2	up 8.15
	8.50	frame out

TEMPERATURE RECORD.

Instrument used, *Deck Sea Therm*

Current number of observation, *1188*

Date, *Sept. 8th 1882*

Locality, *off N. Cape*

Bearings, *Lat 39° 39' N
Long 71° 34' W*

Time of day, *7.24* ; of tide.

State of sky, *bc*

Temperature of air, *72*

“ surface of water, *71*

“ at depth of *5* fathoms, *70*

“ of bottom, *46*

Depth, in fathoms, *188*

Nature of bottom, *2.5 f - sand*

Direction of surface current, *1.0*

Force of surface current, *1.0*

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,

1189

REMARKS

Stadia G 10015

Surface 1.0236 75'

5 fms 38 71'

10 fms 39 72'

Drum over 9.03 down 2.5

hoisting in 9.40 up 3.5

558 fms. out

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *30*

Date, *Sept 8th 1882*

Locality, *off Block Island*

Bearings, *Lat 38-37 N
Long 71-30 W*

Time of day, *8:48* : of tide.

State of sky, *bc*

Temperature of air, *74*

" surface of water, *72*

" at depth of *5* fathoms, *70* *10/2 84*

" of bottom, *44*

Depth, in fathoms, *291*

Nature of bottom, *hard*

Direction of ~~surface~~ *Wind* *W. by N. 1/2 S*

Force of ~~surface~~ *Force* *1 1/2*

~~Direction of bottom current,~~ *Temperature at* *95* *17 1/2* *49644*

~~Force of bottom current,~~ *95* *49 1/2* *47995*

~~Name of vessel,~~ *25* *47* *47993*

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

7140

REMARKS.

Specific Gravity

Surface 1.0240 79

5 fms 89 79

84 73

Temperature 10.20 20.00

Humidity 11.50 70

1.75 72 100

Leyon quindens. sev. large.
Labrida princeps.
Pandalus propinquus.
Archaster Agassizii.

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1140*
 Date, *Sept 8th 1882*
 Locality, *off Blue's Dred*
 Bearings, *Lat 39° 34' N*
Long 71° 30' W
 Time of day, *10.55* ; of tide,
 State of sky, *b-c*
 Temperature of air, *78*
 " surface of water, *79*
 " at depth of *5* fathoms, *72* *10 fms* *78*
 " of bottom, *40*
 Depth, in fathoms, *374*
 Nature of *with many foraminifera*
fine sand & silt mud & shells
 Direction of ~~surface current~~ *Wind NNE force 2*
~~Force of surface current~~ *N*
~~Direction of bottom current~~ *at 5 fms 49*
 " *at 10 fms 49*
~~Force of bottom current~~ *" 45 " 49*
 " *25 " 58*
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

REMARKS.

1. 2 3 4

80 90

90 100

1. 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1. 2 3 4

1. 2 3 4

1. 2 3 4

In trawl wings:
Pteropod, Clione papil-
lonacea, Cavolina
longicastris, alio.

Trawl net empty,

TEMPERATURE RECORD.

Instrument used. *Deep Sea Trawl*

Current number of observation. *1141*

Date, *Sept 3rd 1882*

Locality. *Off Block Island*

Bearings. *Lat 39° - 32' N
Long 71° - 57' W*

Time of day, *12 27* ; of tide,

State of sky, *bc*

Temperature of air, *80*

“ surface of water, *74*

“ at depth of *5* fathoms, *73* *11/200* *76*

“ of bottom, *40*

Depth, in fathoms, *389*

Nature of bottom, *Sand & mud*

Direction of ~~surface~~ ^{*Wind*} current. *W E 1/2 S 2*

Force of ~~surface~~ ^{*Drift*} current. *N X N 1/2 E 1 1/2*

Temperature at *95 - 51*

Direction of bottom current, *“ 40 - 51*

Force of bottom current, *“ 20 - 39*

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1142

REMARKS.

Spec. Grav

...
...
W. me	40	...
Travel spec	2.65	down 2.20
loading in	2.46	up 8.17
	5.03	fine out

Acanella stormani.

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1108*

Date, *Sept 8th 1889*

Locality, *Off Block Isd*

Bearings, *Lat 39° - 39' N
Long 72° 13' W*

Time of day, *1:30* ; of tide.

State of sky, *b-c*

Temperature of air, *50*

.. surface of water, *74*

.. at depth of *5* fathoms, *74* *5 fms 79*

.. of bottom, *41*

Depth, in fathoms, *70-80*

Nature of bottom, *fine sand with shells*

Direction of ~~surface current~~ *wind N W force 1*

Force of surface current, *Drift N 15 1/2*

Direction of bottom current, *95 .. 50*

Force of bottom current, *40 .. 40*
20 .. 71

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

749
772
REMARKS.

8 loc. 2 rows
 Surface 1.1238 74
 5. - 30 12
 4. - 25 10
 Total 1.1238 3.52 down 4.05
 leaving in 4.45 up 5.10
 746 prod. & wt
 At 5.15 descended in 412 ft

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1143*
 Date, *Sept 8th 1882*
 Locality, *off Block Island*
 Bearings, *Lat 30° 59' N*
Long 73° 15' W
 Time of day, *3.36* ; of tide.
 State of sky, *b-c*
 Temperature of air, *30*
 " surface of water, *74*
 " at depth of *5* fathoms, *72*
 " of bottom, *46*
 Depth, in fathoms, *452*
 Nature of bottom, *fine sand*
 Direction of ~~surface current~~ *wind* *west force 1*
 Force of ~~surface current~~ *Drift* *1/2 N W 1/2 S*
 Direction of bottom current, *95 fms 71 miles*
 " *95 " 50 1/2*
 " *45 " 40*
 Force of bottom current, *30 " 35*
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1147
REMARKS.

Surface	1.6240	72
5 fms	1.8248	73
10 "	41	72
Trawl over	6.16	down 8.36
hoaving in	6.50	up 7.40
	7.50	fms out
boat	Trawl net.	

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1124*
 Date, *Sept 8 1882*
 Locality, *off B. I. I. S. I.*
 Bearings, *Lat 30° 31' N*
Long 121° 10' W
 Time of day, *6:30 PM* of tide.
 State of sky, *b.c.*
 Temperature of air, *73*
 " surface of water, *74*
 " at depth of *5* fathoms, *79* *16/m* *72*
 " of bottom, *41*
 Depth, in fathoms, *256*
 Nature of bottom, *Soft M. S.*
 Direction of surface current, *NS*
 Force of surface current, *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.

TEMPERATURE RECORD.

Instrument used.

Cod trawls.

Current number of observation.

1145

Date,

Sept. 21, 1882

Locality.

Off Martha's Vineyard

Bearings,

Lat. 40° 03'

Long. 70° 28'

Time of day,

; of tide.

State of sky,

Temperature of air,

" surface of water,

" at depth of fathoms,

" of bottom.

Depth, in fathoms,

135 - 160

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current,

Force of bottom current.

Name of vessel.

Sch. Josie Reeves

To what service attached,

Name and rank of commanding officer.

Capt. J. W.

Collins.

Name and position of observer.

*Set Cod trawls and lobster
pots.*

(over)

REMARKS.

Nos. 1145-1149,

The Sch. Josie Reeves of
New York. Capt. F. M.
Redmond, accompanied
by Capt. J. W. Collins U.S.
F.C. spent 2 days on
the ground where
Lopholatilus Chamelonticeps
should occur. They set
cod trawls, and lobster
pots covered with kelling,
but found none of that
species of fish. Nothing
but the *Scudell* entered
the pots, and this they did
in great abundance. On
the trawls were caught
hake, dogfish, Skates,
goose fish, and arid fish
(Sp.?) and a few *Amuretralis*
sent to New Haven.

TEMPERATURE RECORD.

Instrument used, *Cod Trawls.*
Current number of observation, *1146.*
Date, *Sept. 21st 1882*
Locality, *Off Martha's Vineyard.*
Bearings, *Lat. 40° 02' N.*
Long. 70° 41' W.
Time of day, _____ ; of tide, _____
State of sky, _____
Temperature of air, _____
" surface of water, _____
" at depth of _____ fathoms, _____
" of bottom, _____
Depth, in fathoms, *130-150.*
Nature of bottom, _____
Direction of surface current, _____
Force of surface current, _____
Direction of bottom current, _____
Force of bottom current, _____
Name of vessel, *Sch Josie Reeves.*
To what service attached, _____
Name and rank of commanding officer, *J. W. Collins.*
Name and position of observer, _____

REMARKS.

TEMPERATURE RECORD.

Instrument used, *Cod trawls,*
Current number of observation, *1147.*
Date, *Sept. 22, 1882*
Locality, *Off Martha's Vineyard.*
Bearings, *Lat. 40° 01' N.*
Long. 71° 02' W.
Time of day, ; of tide,
State of sky,
Temperature of air,
" surface of water,
" at depth of fathoms,
" of bottom,
Depth, in fathoms, *125.*
Nature of bottom,
Direction of surface current,
Force of surface current,
Direction of bottom current,
Force of bottom current,
Name of vessel, *Sch. Josie Reeves.*
To what service attached,
Name and rank of commanding officer, *J. W. Collins.*
Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used. *Cod thermos,*

Current number of observation. *1148.*

Date, *Sept. 23, 1882.*

Locality. *Off Martha's Vineyard.*

Bearings, *Lat. 39° 54' N.*

Long, 71° 22' W.

Time of day, ; of tide,

State of sky,

Temperature of air,

.. surface of water,

.. at depth of fathoms,

.. of bottom,

Depth, in fathoms, *100 - 125,*

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current.

Force of bottom current.

Name of vessel. *Sch. Eric Reeve,*

To what service attached,

Name and rank of commanding officer. *J. W. Collins,*

Name and position of observer,

REMARKS.

TEMPERATURE RECORD.

Instrument used, *Cod trawls.*

Current number of observation, *1149*

Date, *Sept. 23, 1882*

Locality, *Off Marchant's vineyard.*

Bearings, *Lat. 39° 50' N.*
Long. 71° 25' W.

Time of day, _____ ; of tide.

State of sky,

Temperature of air.

“ surface of water,

“ at depth of _____ fathoms,

“ of bottom,

Depth, in fathoms, *110.*

Nature of bottom,

Direction of surface current,

Force of surface current,

Direction of bottom current.

Force of bottom current.

Name of vessel, *Sch. Josie Reeves,*

To what service attached, *G.*

Name and rank of commanding officer, *J. W. Collins.*

Name and position of observer,

1150,

REMARKS.

Every thing same as

very few subjects in

some of the other notes.

Some of the notes are

Abundant all day, with

2 or 3 specimens of all

2 specimens of all

2 specimens of all

2 specimens of all

2 specimens of all

2 specimens of all

2 specimens of all

TEMPERATURE RECORD.

Instrument used, *1150 Trawl*
 Current number of observation, *1150,*
 Date, *Oct 4, 1882,*
 Locality, *off 11th St. N. Wash. D. C.*
 Bearings, *Lat. 39° 58' N.*
Long. 70° 37' W.
 Time of day, *6.35 am,* of tide,
 State of sky, *b. c.*
 Temperature of air, *65*
 " surface of water, *62*
 " at depth of *5* fathoms, *62.*
 " of bottom, *47,*
 Depth, in fathoms, *140,*
 Nature of bottom, *sand*
 Direction of surface current,
Drift. Force of surface current, *E. 1/2 W.*
 Direction of bottom current.
 Force of bottom current.
 Name of vessel, *Fish Hawk*
 To what service attached,
 Name and rank of commanding officer.
 Name and position of observer,

1151,

REMARKS.

About every thing saved
has been sent to the
store.

TEMPERATURE RECORD.

Instrument used. ~~Net~~ Trawl,
 Current number of observation. 1151,
 Date. Oct. 4, 1882
 Locality. ~~off Cape Cod~~
 Bearings. Lat. $39^{\circ}58'30''$ N.
 Long. $70^{\circ}37'00''$ W.
 Time of day. 7.45 : of tide. ebb
 State of sky, b. c.
 Temperature of air, 66.
 " surface of water, 62.
 " at depth of 5 fathoms, 62.
 " of bottom, 48.
 Depth, in fathoms, 125,
 Nature of bottom, sand
 Direction of surface current,
 Force of surface current, drift. E. 2 mi.
 Direction of bottom current,
 Force of bottom current,
 Name of vessel, Fish Hawk,
 To what service attached,
 Name and rank of commanding officer.
 Name and position of observer.

REMARKS.

At 10:30 AM
The vessel
arrived at
the wharf
at 11:00 AM
The cargo
was
unloaded
at 11:30 AM
The cargo
was
sent to
the warehouse

TEMPERATURE RECORD.

Instrument used, *1152 Trawl*
 Current number of observation, *1152*
 Date, *Oct. 4, 1902*
 Locality, *off Martha's Vineyard*
 Bearings, *Lat. 39° 58' N.*
Long. 70° 35' W.
 Time of day, *8:42* [≡] of tide, *low*
 State of sky, *b. c.*
 Temperature of air, *68,*
 " surface of water, *62*
 " at depth of *5* fathoms, *62*
 " of bottom, *48,*
 Depth, in fathoms, *115,*
 Nature of bottom, *hard*
 Direction of surface current,
 Force of surface current, *E. 1/4 N. 1/2 W.*
 Direction of bottom current,
 Force of bottom current,
 Name of vessel, *Freshwater*
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer.

1153,

REMARKS.

Same form, but ...
...
...

Polocera *Trudina* *bejabat*

Urticina *Callora* "

" *Rostrata* "

Hyalenocera "

Enallagma, also named

No sample of ...

... of ...

very soft mud

Found wing, same as last

TEMPERATURE RECORD.

Instrument used, *1153*
 Current number of observation, *1153.*
 Date, *Oct. 4, 1882.*
 Locality, *Off. North Head, New York.*
 Bearings, *Lat. 39° 54' N.*
 Long. 70° 37' W.
 Time of day, *10.44*; of tide, *low*
 State of sky, *b.c.*
 Temperature of air, *70.*
 " surface of water, *62.5*
 " at depth of *5* fathoms, *62.*
 " of bottom, *44.*
 Depth, in fathoms, *225.*
 Nature of bottom, *fine sand*
 Direction of surface current, *N 40 E*
 Force of surface current, *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,

1154.

REMARKS.

Similar to last.

It is also more or less about 10 bushes

longer ~~than~~ than

Many small tubers

Quite a few in the soil

but not so many

as in the last

specimens

Sagittaria abyssinica ^{Abd!}

Ar. Bolocera or U. Bolocera?

TEMPERATURE RECORD.

T. 1154

Instrument used, ~~T. 1155.~~

Current number of observation, 1154.

Date, Oct. 4, 1882

Locality, Off Martha's Vineyard

Bearings, Lat. $39^{\circ} 55' 31''$ N. (obs)
 Long. $70^{\circ} 39' 00''$ W.

Time of day, 12.10 ; of tide, P.M.

State of sky, b.c.

Temperature of air, 62.

“ surface of water, 62.42

“ at depth of fathoms,

“ of bottom, Not taken

Depth, in fathoms, 193.

Nature of bottom, sand? mud
 Green mud

Direction of surface current,

Force of surface current, ~~1/2 m.~~ N. by W. 1 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. 0022

Sept 18, 1902
About 30 Albatrosses
seen at head
of bay.

18
Some seen with few
milk, some later
and steadily decreasing
in number.

Franklin's Gull
last

18 A. Agassiz sent to Wash

TEMPERATURE RECORD.

Instrument used, *Thermometer*

Current number of observation, *1150*

Date, *Oct 4. 1889*

Locality, *off Cape Cod*

Bearings, *Lat. 39° 52' N.*
Long. 70° 30' W.

Time of day, *11:00* ; of tide, *low*

State of sky, *b. c.*

Temperature of air, *64.*

" surface of water, *63.*

" at depth of *5* fathoms, *62.*

" of bottom, *40.*

Depth, in fathoms, *525* **554.**

Nature of bottom, *sand and soft green mud*

Direction of surface current.

Force of surface current, *N. N. W.*

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,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide.

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms.

Nature of bottom.

Direction of surface current.

Force of surface current.

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,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms.

Nature of bottom,

Direction of surface current,

Force of surface current,

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,

Current number of observation,

Date,

Locality,

Bearings,

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms.

Nature of bottom,

Direction of surface current,

Force of surface current,

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,

Current number of observation,

Date,

Locality.

Bearings,

Time of day, ; of tide.

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms.

Nature of bottom,

Direction of surface current,

Force of surface current,

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,

Current number of observation.

Date,

Locality.

Bearings.

Time of day, ; of tide,

State of sky,

Temperature of air.

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

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,

Current number of observation.

Date,

Locality.

Bearings.

Time of day, ; of tide,

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current.

Force of surface current,

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.

Current number of observation.

Date.

Locality.

Bearings.

Time of day. : of tide.

State of sky,

Temperature of air,

“ surface of water,

“ at depth of fathoms,

“ of bottom,

Depth, in fathoms,

Nature of bottom,

Direction of surface current,

Force of surface current,

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.