

*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 11.50
heaving in 11.23 up 11.45
600 fms. out.

Great lot of *Acanella*
Stormani, with *Astro-*
chela Lymani on it,
and *Pecten vitreus*

REMARKS.

11 28

Trawl over 12.31 down 12.57

heaving in 3.22 up 3.53

At 293 got east of boat in 227

830 fms out

Small but

Very interesting haul of
rare things.*Phormosoma Sigsbeyi**Eledone verrucosa*3rd one known, 1st taken by Fish Com.

New Pennatulid

Colossendeis Colosseae

Several flexible sea urchins

Phormosoma Sigsbeyi

New starfish

*Pleuronomella Agassizii**Margarita regalis**Pecten vitreus*

26

33

59

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1123*

Date, *Aug. 26th 1882*

Locality, *Off Nantucket*

Bearings, *Lat 39°-59'-45" N*

Long. 68°-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*

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,

J. W. Bliste

Mid'n U. S. N.

REVERSE

1124
REMARKS.

Trawl over 429 down 4.44
leaving in 5.17 up 5.44?
8.31 fms out

Large limestone nodules.
Large haul, and valuable

- Acanella Normani*, ^{large} lot.
Acanetogorgia armata
Bolocera Truedici.
Pandalus propinquus.
Diploaster multipes.
Leryon quinquegens.
Octopus Bairdii
Rossia megapleura - 20 known
1st by us.
New Chiton
Pennatulula borealis.
Hyalinocia artifer lot.
Astrochela Symani on *Acanella*
Calliostoma occidentale
Aporrhais occidentalis
Margarita regalis
Sipho pubescens
Choristis elegans
New Chiton (*Mopalia*?)
Simopsis minuta
Pennatulula borealis (2)

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1124*

Date, *Aug 26th 1882*

Locality, *Off Nantucket*

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

Time of day, *4.07* ; of tide,

State of sky, *bc*

Temperature of air, *65*

" surface of water, *65*

" at depth of _____ fathoms,

" of bottom, *99*

Depth, in fathoms, *690 = 640*

Nature of bottom, *fine sand & green mud*

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

~~Force of surface~~ ^{*Drift*} current, *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 6.03 down 8.10
hoisting in 6.32 up 6.50
577 fms out

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

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1125*

Date, *Aug 26th 1882*

Locality, *Off Nantucket*

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*

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

1126.

REMARKS.

Cancer borealis.

" *erroralis.*

Platyonchus ocellatus

Homarus americanus

Libinia heros

Mytilus edulis.

Echinarachnius parma

Asterias forbesii

Asterias vulgaris

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.S.E. Force 4*
~~Force of surface current,~~ *Drift S.E. x 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.

Same as 1126.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1197*
 Date, *Aug. 28 1882*
 Locality, *Vineyard Sound*
 Bearings, *Gay Head Light House*
N 85 3'
 Time of day, *2.30* ; of tide, *ebb (west)*
 State of sky, *b. c.*
 Temperature of air, *66*
 " surface of water,
 " at depth of fathoms,
 " of bottom, *64*
 Depth, in fathoms, *10*
 Nature of bottom, *gray mud*
 Direction of ~~surface~~ *wind* *S. S. E* Force *4*
 Force of ~~surface~~ *Drift* *E. S. E* *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,

1128

REMARKS.

same as 1126.

TEMPERATURE RECORD.

Instrument used, *D redge*
 Current number of observation, *1128*
 Date, *Aug 28 1882*
 Locality, *Vineyard Sound*
 Bearings, *Gay Head Lt. 11 ouse*
N 3/4 S 2 3/4
 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, *gray sand & mud*
 Direction of ~~surface current~~ *Wind SSE Force 4*
 Force of surface current, *S 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.

Echinarachnium parma
Asterias

Molgula arenata
Asarte Caslanae

Cancer erroratus

Eupagurus pollicaris

Tectia trivittata

Asteris lunata

Clidiophora trilineata

Mastra solidissima juv

Syonsia hyalina

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1129*
 Date, *Sept 2nd 1882*
 Locality, *off. No Man's Land*
 Bearings, *Fishing, village*
South 1/8
 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, *wind E. N. E. Force 4*
~~Force of surface current,~~ *Drift N. E. by E 1/8*
 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,

11301

REMARKS.

Same species as 1129

Name and location of observer:

Name and rank of commanding officer:

Date and service number:

Name of vessel:

Name of bottom system:

Direction of bottom current:

Name of surface current:

Direction of surface current:

Name of bottom:

Depth in fathoms:

Name of bottom:

Name of bottom:

Name of bottom:

Name of bottom:

Name of vessel:

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1130*
 Date, *Sept 2nd 1882*
 Locality, *off to Man's Land*
 Bearings, *Fishing village*
S 1/2 E 1/8
 Time of day, *2.13* ; of tide.
 State of sky, *bc*
 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, *wind ENE force 4*
 Force of surface current, *2 mts N. N X N 1/8*
 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,

11311

REMARKS.

Same as 1129

ТЕМЪЕРУЛУВЕ ВЕСОВЪ

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1131*
 Date, *Sept 2nd 1882*
 Locality, *off No Man's Land*
 Bearings, *Fishing Village*
S. E by E 1/2
 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 & stones*
 Direction of ~~surface current~~, *wind E. N. E., force 4*
 Force of ~~surface current~~, *Drift 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.

Same as 1129

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1132*
 Date, *Sept 2nd 1882*
 Locality, *off No Mans Land*
 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 & stones*
 Direction of surface current, *wind ENE. Force 4*
 Force of surface current, *Drift NNE 1/2 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

REMARKS.

Same as 1129.

TEMPERATURE RECORD.

Instrument used, *D redge*
 Current number of observation, *1183*
 Date, *Sept 2nd 1882*
 Locality, *Off No Man's Land*
 Bearings, *Fishing village*
S.E. 3/4
 Time of day, *9.10* ; of tide,
 State of sky, *b.c*
 Temperature of air, *72*
 " surface of water, *65*
 " at depth of _____ fathoms,
 " of bottom, *LL*
 Depth, in fathoms, *4*
 Nature of bottom, *Sand & stones*
 Direction of surface current, *Wind E.N.E. Force 4*
Drift
 Force of surface current, *E x S 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.

1184

Specific Gravity
 Surface 1.0285 66
 5 fms. 1.0285 66

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1134*
 Date, *Sept. 6th 1882*
 Locality, *Menemsha Bight Vineyard Sound*
 Bearings, *Gay Head L.H. + house*
NSW 3/4 W dist. 2 3/4
 Time of day, *1.26* ; of tide, *low of next (M) tide*
 State of sky, *bc*
 Temperature of air, *76*
 " surface of water, *66*
 " at depth of fathoms,
 " of bottom, *64*
 Depth, in fathoms, *9 1/2*
 Nature of bottom, *sand & mud*
 Direction of surface current, *Wind NE Force 4*
 Force of surface current, *Drift NN x N 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.

Time and location of outbreak

Time and place of continuation of outbreak

Time and place of origin of outbreak

Time of onset

Time of duration of outbreak

Time of termination of outbreak

Time of cessation of outbreak

Time of re-occurrence of outbreak

Time of relapse

Time of death

Time of recovery

Time of death of patient

Time of recovery of patient

Time of death of patient

Time of recovery of patient

Time of death of patient

Time of recovery of patient

Time of death of patient

Time of recovery of patient

Time of death of patient

Time of recovery of patient

Time of death of patient

DEPARTMENT OF HEALTH RECORDS

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1195*
 Date, *Sept 6th 1882*
 Locality, *Vineyard Sound*
 Bearings, *Gay Head Lt. House*
N 1/2 S 9'
 Time of day, *2.20* ; of tide. *Slacks (low) water*
 State of sky, *bc*
 Temperature of air, *71*
 " surface of water, *66*
 " at depth of fathoms,
 " of bottom, *64*
 Depth, in fathoms, *7 1/2*
 Nature of bottom, *sand & mud*
 Direction of surface current, *wind NE; force 4*
 Force of surface current, *Draft NE 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.

Name and position of observer

Name and rank of commanding officer

To what service attached

Name of vessel

Place of departure

Direction of passage

Kind of service

Direction of service

Name of vessel

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Dredge*
 Current number of observation, *1136*
 Date, *Sept 6th 1882*
 Locality, *Vineyard Sound*
 Bearings, *Gay Head Lt. House*
N 5 W 7/8 N 9'
 Time of day, *9:50* ; of tide, *East tide*
 State of sky, *bc*
 Temperature of air, *70*
 " surface of water, *66*
 " at depth of fathoms,
 " of bottom, *63*
 Depth, in fathoms, *10*
 Nature of bottom, *Mud*
 Direction of ~~surface current~~, *Wind NE force 3*
 Force of ~~surface current~~, *Drift NE 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,

1197

REMARKS.

Specific Gravities

Surface 1.0242 87

5 fms. 42 17

" " 42 87

Trawl over 6.12 down 6.20

heaving in 6.43 up 7.00

370 fms. out

At 7.00 rounded in 141 fms.

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Trawl*
 Current number of observation, *1137*
 Date, *Sept. 8th 1882*
 Locality, *off Block Isd*
 Bearings, *Lat - 39°-40' N*
 Long - 71°-52' W
 Time of day, *6.00 AM*; of tide,
 State of sky, *bc*
 Temperature of air, *68*
 " surface of water, *70*
 " 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 current~~, *Wind Calm*
 Force of ~~surface current~~, *2 nrs NNE 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.

Stoäpfi Gravities

Surface	1.0241	70
5 fms	41	70
10 "	41	71
Trawl over	7.38	down 7.39
heaving in	8.00	up 8.15
	8.50	fms. out

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1188*

Date, *Sept. 8th 1882*

Locality, *off Block Isd*

Bearings, *Lat 39°-39' N*

Long 71°-34' W

Time of day, *7.24* ; of tide,

State of sky, *b.c*

Temperature of air, *72*

" surface of water, *71*

" at depth of *5* fathoms, *70*

" of bottom, *46*

Depth, in fathoms, *188*

Nature of bottom, *soft fine sand*

Direction of surface current, *Wind Calm*

Force of surface current, *Drift N 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,

1189

REMARKS

Stoepic Gravities

Surface 1.0236 75'

5 fms 38 71

10 fms 39 72

Drove over 9.00 down 9.10

hoaving in 9.40 up 10.00

5.50 fms. out

ИЗМЕРЕНИЯ ВЕСОВ

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *1189*

Date, *Sept 8th 1882*

Locality, *off Block Island*

Bearings, *Lat 39°-37' N*

Long. 71°-55' 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 fms 84*

" of bottom, *44*

Depth, in fathoms, *291*

Nature of bottom, *Mud*

Direction of surface current, *Wind NN. force 1*

Force of surface current, *Drift NNW 1 1/2*

Temperature at *95 fms 67 1/2* # *49644*

Direction of bottom current, " *95* " *49 1/2* *47995*

Force of bottom current, " *45* " *49* *47992*

" " *25* " *47* *47993*

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1140

REMARKS.

Specific Gravities

Surface	1.0240	79
5 fms	89	79
10 "	89	73

Trawl over 11.43 down 10.38
 heaving in 11.32 up 12.07
 675 fms out

Leryon quintens, 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 Block Island*
 Bearings, *Lat 39° 34' N*
 Long 71° 36' W
 Time of day, *10.55* ; of tide.
 State of sky, *bc*
 Temperature of air, *78*
 " surface of water, *73*
 " at depth of *5* fathoms, *72* *10 fms* *68*
 " of bottom, *40*
 Depth, in fathoms, *97 1/2*
 Nature of bottom, *with many foraminifera*
 fine sand, soft mud & gravel
 Direction of surface current, *Wind NW force 2*
 Drift N 1/2 W
 Force of surface current, *N 1/2 W*
 Temperature at 95 fms 48 1/2
 Direction of bottom current, *" 95 fms 49*
 " *" 45 " 49*
 " *" 25 " 59*
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1141

REMARKS.

Speci S nat.

Surface 1.0238 74

5 fms 98 74

10 fms 99 74

Trawl over 12.42 down 12.52

heaving in 1.25 up 1.45

700 fms. out

In trawl wings.

Pteropods, Clione papilionacea, Cavolina longirostris, alive.

Trawl net empty,

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawle*

Current number of observation, *1141*

Date, *Sept 8th 1882*

Locality, *Off Block Island*

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

Time of day, *19 27* ; of tide,

State of sky, *bc*

Temperature of air, *80*

" surface of water, *74*

" at depth of *5* fathoms, *73* *11 fms 70*

" of bottom, *40*

Depth, in fathoms, *389*

Nature of bottom, *Sand & mud*

Direction of surface current, *Wind N E force 2*

Force of surface current, *Drift N X N 1/2 N 1'*

Temperature at *95 - 51*

Direction of bottom current, " *48 - 51*

Force of bottom current, " *20 - 59*

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

1142

REMARKS.

Spec. Grav

Surface	1.0298	74
5 fms	99	74
10 fms	40	74
Trawl over	2.05	down 2.20
hoaving in	2.40	up 3.17
	600 fms	out

Acanella staimani.

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawle*
 Current number of observation, *1142*
 Date, *Sept 8th 1889*
 Locality, *off Block Isd*
 Bearings, *Lat 39° - 39' N*
 Long 72° 10' W
 Time of day, *1.50* ; of tide,
 State of sky, *b-c*
 Temperature of air, *88*
 " surface of water, *74*
 " at depth of *5* fathoms, *74* *10 fms 72*
 " of bottom, *41*
 Depth, in fathoms, *322*
 Nature of bottom, *mud with sand & pebbles*
 wind
 Direction of ~~surface current~~, *NW Force 1*
 Drift N 15 1/2
 Force of ~~surface current~~, *Temperature at 95 fms 72*
 Direction of bottom current, *95 .. 58*
 " .. *40 .. 48*
 Force of bottom current, *20 .. 71*
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1143

REMARKS.

Spec. Grav.

Surface 1.0288 74

5 fms. 88 74

10 fms 89 75

Trawle over 3.52 down 4.05

hoaving in 4.40 up 5.10

748 fms. out

At 5.15 rounded in 412 fms

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*
 Current number of observation, *1143*
 Date, *Sept 8th 1882*
 Locality, *off Block Isd*
 Bearings, *Lat 30°-29' N*
 Long 72°-01' W
 Time of day, *3.36* ; of tide,
 State of sky, *b-c*
 Temperature of air, *80*
 " surface of water, *74*
 " at depth of *5* fathoms, *73* *16 fms 79*
 " of bottom, *40*
 Depth, in fathoms, *452*
 Nature of bottom, *Mud*
 Direction of ~~surface current~~ *wind west force 1*
 Drift NW 2'
 Force of ~~surface current~~ *Temperature at 95 fms 71 (error)*
 Direction of bottom current, " *95* " *50 1/2*
 " *40* " *49*
 Force of bottom current, " *20* " *55*
 Name of vessel,
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1144

REMARKS.

Spec Grav.

Surface 1.0240 72

5 fms 1.0248 73

10 " 41 72

Trawl over 6.16 down 6.30

leaving in 6.50 up 7.40

750 fms out

Lost Trawl net.

TEMPERATURE RECORD.

Instrument used, *Deep Sea Trawl*

Current number of observation, *11214*

Date, *Sept 8th 1882*

Locality, *off Block Isd*

Bearings, *Lat 39° 31' N*

Long 72° 05' W

Time of day, *6:00 P.M.* of tide.

State of sky, *b.c.*

Temperature of air, *75*

" surface of water, *74*

" at depth of *5* fathoms, *79* *10 fms* *72*

" of bottom, *41*

Depth, in fathoms, *956*

Nature of bottom, *Soft Mud*

Direction of surface current, *Wind WSW force 1*

Force of surface current, *Drift North 1'*

Temperature at	<i>95 fms</i>	<i>48</i>
Direction of bottom current,	<i>" 95 fms</i>	<i>50</i>

"	<i>" 51 fms</i>	<i>50</i>
Force of bottom current,	<i>" 30</i>	<i>" 60</i>

Name of vessel,

To what service attached,

Name and rank of commanding officer,

Name and position of observer,

REMARKS.

1. NAME OF THE VESSEL

2. NAME AND RANK OF COMMANDER

3. NAME AND RANK OF SURVEYOR

4. NAME OF OFFICER

5. NAME OF THE VESSEL

6. NAME OF THE VESSEL

7. NAME OF THE VESSEL

8. NAME OF THE VESSEL

9. NAME OF THE VESSEL

10. NAME OF THE VESSEL

11. NAME OF THE VESSEL

12. NAME OF THE VESSEL

13. NAME OF THE VESSEL

14. NAME OF THE VESSEL

15. NAME OF THE VESSEL

16. NAME OF THE VESSEL

17. NAME OF THE VESSEL

18. NAME OF THE VESSEL

19. NAME OF THE VESSEL

20. NAME OF THE VESSEL

21. NAME OF THE VESSEL

LEWIS & CLARK RECORD

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 Reeve*

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 chamaeleonticeps
should occur. They set
cod trawls, and lobster
pots covered with netting,
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,
loose fish, and a red fish
(Sp.?) and a few *Ameluratus*
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.

STATE OF NEW YORK

IN SENATE

JANUARY 18, 1888

REPORT

OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1887

ALBANY:

1888

PRINTED BY

W. B. E. BROWN

AT THE

STATE

PRINTING OFFICE

ALBANY

1888

1888

1888

1888

1888

1888

1888

1888

LEWIS & CLARK RECORD

REMARKS.

Name and position of operator

Name and rank of commanding officer

Date and place observed

Name of vessel

Name of person captured

Direction of person captured

Name of vessel captured

Direction of vessel captured

Name of person

Rank of person

Name of person

РЕШЕНИЕ КОМИТЕТА

TEMPERATURE RECORD.

Instrument used, *Cod thermals,*
 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. Josie Reeves,*
 To what service attached,
 Name and rank of commanding officer, *J. W. Collins,*
 Name and position of observer,

REMARKS.

NAME AND POSITION OF OBSERVER

NAME AND RANK OF COMMANDING OFFICER

DATE AND TIME OF OBSERVATION

NAME OF VESSEL

NAME OF PORT OF ORIGIN

NAME OF PORT OF DESTINATION

NAME OF PORT OF CALL

NAME OF PORT OF CALL

NAME OF PORT

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *Cod trawls.*

Current number of observation, *1149*

Date, *Sept. 23, 1882*

Locality, *Off March'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, _____

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

Name and position of observer, _____

1150,

REMARKS.

Everything saved

Very few copepods in
trawl-wings, one or two
small species only.

Surface tows near
Chit entire day.
Anomalocera Paleyana ?
abundant all day, but
scarce any other
species. There was
very little life at surface.
2 large salpae, few
small ones, being ^{small} jelly
fish etc.

TEMPERATURE RECORD.

Instrument used, ~~1150~~ Trawl
 Current number of observation, 1150,
 Date, Oct. 4, 1882
 Locality, off Martha's Vineyard
 Bearings, Lat. $39^{\circ} 58' N.$
 Long. $70^{\circ} 37' W.$
 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,
 Force of surface current, Drift. E. $\frac{1}{2} m.$
 Direction of bottom current,
 Force of bottom current,
 Name of vessel, Fresh Hawk
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1157,

REMARKS.

About everything saved

hawtwinz same as last

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, ~~1157~~ Trawl,
 Current number of observation, 1151,
 Date, Oct. 4, 1882
 Locality, Off Martha's Vineyard
 Bearings, Lat. $39^{\circ}58'30''$ N.
 Long. $70^{\circ}37'00''$ W.
 Time of day, 8.45; of tide, am
 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 m.
 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,

1152

REMARKS.

About everything saved

travel wraps same as last

Archaeon florae

Spec. sent to Washington

TEMPERATURE RECORD

TEMPERATURE RECORD.

Instrument used, *1152 Trawl*
 Current number of observation, *1152*
 Date, *Oct. 4, 1882*
 Locality, *off Martha's Vineyard*
 Bearings, *Lat. 39° 58' N.*
 Long. 70° 35' W.
 Time of day, *8:42* ^{AM} of tide, *aw*
 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, *sand*
 Direction of surface current,
 Force of surface current, *Drift, E 1 1/2 m*
 Direction of bottom current,
 Force of bottom current,
 Name of vessel, *Fresh Hawk*
 To what service attached,
 Name and rank of commanding officer,
 Name and position of observer,

1153,

REMARKS.

Large haul, but not
a very great variety of
species.

Bolocera *mediae*, very abdt.

Urticina *Callora* "

" *nodosa* "

Hyaloecia "

Everything else saved
No sample of bottom
came up apparently a
very soft sand

Trawl hauled same as last.

TEMPERATURE RECORD.

Instrument used, *453 Trawl*
 Current number of observation, *1153.*
 Date, *Oct. 4, 1882*
 Locality, *off Martha's Vineyard*
 Bearings, *Lat. 39° 54' N.*
 Long. 70° 37' W.
 Time of day, *10.45*; of tide, *sun*
 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, *Sand & green mud*
 Direction of surface current,
 Drift. N. 1/2 W. 1 1/2 mi
 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,

1154,

REMARKS.

Similar to last.

Hyalinocia about 10 bushes.

Urticina ~~*acerosa*~~ *abdt.*

Many small things

Quite a rich haul

but not so many

species of *Desmanema*

as on last.

Sagittia abyssicola *abdt.*

No. *Bolocera* or *Callora*?

Trawl wings damaged
last

TEMPERATURE RECORD.

Trawl

Instrument used, ~~1154, 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 P.M.; of tide.

State of sky, b.c.

Temperature of air, 62.

" surface of water, $62\frac{1}{2}$

" 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, ^{Drift} N. by W. $1\frac{1}{2}$ 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,

1155,

REMARKS.

ooze

Soft mud, (green?)
About 30 Archaster
Agassizii of food
size, few fish, one
from trawl wings new?
Balance of the haul
was mud, with few
muddy marmites,
and scarcely anything
else. very little in
trawl wings.

Trawl wings same as
last.

18. A. Agassizii sent to Wash

TEMPERATURE RECORD.

Deepsea

Instrument used, *Trawl*

Current number of observation, *1155*

Date, *Oct. 4. 1882*

Locality, *off Martha's Vineyard*

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

Time of day, *11.06 P.M.*; of tide.

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, *535 = 554.*

Nature of bottom, *sand and soft green mud*

Direction of surface current,

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

Name and position of operator.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force to which attached.

Position occupied to which attached.

Force of service to which attached.

Direction of service to which attached.

Name of vessel.

127

Name of vessel.

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,

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,

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.

1. Name and position of observer.

2. Name and rank of commanding officer.

3. Name and position of vessel.

4. Name of service.

5. Date of service.

6. Name of commanding officer.

7. Name of commanding officer.

8. Name of commanding officer.

9. Name of commanding officer.

10. Name of commanding officer.

11. Name of commanding officer.

12. Name of commanding officer.

13. Name of commanding officer.

14. Name of commanding officer.

15. Name of commanding officer.

16. Name of commanding officer.

17. Name of commanding officer.

18. Name of commanding officer.

19. Name of commanding officer.

20. Name of commanding officer.

21. Name of commanding officer.

TEMPERATURE RECORD

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.

Name and position of observer.

Name and rank of commanding officer.

To what service attached.

Name of vessel.

Force of bottom current.

Direction of bottom current.

Force of surface current.

Direction of surface current.

Name of port.

Depth in fathoms.

of bottom.

at depth of

fathoms.

surface of water.

Temperature of air.

of sea.

of air.

of sea.

Direction.

Force.

Time.

Direction and force of wind.

Direction and force.

TEMPERATURE RECORD

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.

Name and location of station
 Name and rank of commanding officer
 To what service attached
 Name of vessel
 Name of port of call
 Direction of port of call
 Name of anchor station
 Direction of anchor station
 Name of port
 Depth in fathoms
 of bottom
 of depth of anchorage
 nature of bottom
 Temperature of air
 Name of sky
 Name of day
 Name of night
 Remarks
 Tides
 Date
 Name and rank of observer
 Position used

TEMPERATURE RECORD

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.

Name and location of observer

Name and rank of commanding officer

To what service attached

Name of vessel

Force of surface current

Direction of surface current

Force of surface current

Direction of surface current

Name of bottom

Depth in fathoms

" " of bottom

" " at depth of fathoms

" " surface of water

Direction of surface current

Name of ship

Name of officer

Name of ship

Remarks

Remarks

Date

Number of observations

Remarks

TEMPERATURE RECORD

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.

[The page contains faint, illegible text, likely bleed-through from the reverse side of the document. The text is too light to transcribe accurately.]