1196

ORIGINAL LOG BOOK OF THE "FISH HAWK"

UNITED STATES FISH COMMISSION

STATION NUMBERS

Numbers 1196 to 1235

FISH HAWK.
1196
To
1235

1221
1196
25

W½ S

Mpra Zoombla * 39175

~~1206 Hippstead 66 x 6~~ 188

1209 ~~Dripi~~ Stand ~~46~~ 188

Dripi SW x W Stand

~~bad~~

1197

Specimens Obtained

Squid flounders crabs

~~Lestuga~~ Zaulog Seup

King Corat

1197

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1197

Date, Aug 9th 1887

Locality, Off Falmouth

Bearings, Nobska bore S. W. by W 1/4 W.
E. Chop light SE 3/4 S.

Time of day, 10.50 am ; of tide, Flood

State of sky, D-C

Temperature of air, 72°

" surface of water, 72

" at depth of ~~115~~ fathoms,

" of bottom, 71.5

Depth, in fathoms, 34 1/2

Nature of bottom, Shell sand

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind, 2

Direction ~~of bottom current~~ Wind, East ~~1/6~~ 1/6

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J M Creighton
Mate U S N

1798

REMARKS.

Specimens Taken
Spider Crabs Sea Robbins
Squid Hermit Crabs
Scup Sea Urchin Star Fish
Clams

1198

TEMPERATURE RECORD.

Instrument used, Beam Trawl, 111 feet

Current number of observation, 1198

Date, ~~Off Falmouth~~ Aug 9th 1887

Locality, Off Falmouth

Bearings, Nobska Light W 1/2 S 2'

Falmouth N E & E 1'

Time of day, 11.05 am ; of tide, Flood

State of sky, Fe

Temperature of air, 70

" surface of water, 72°

" at depth of fathoms,

" of bottom, 71.5

Depth, in fathoms, 4 3/4

Nature of bottom, Shell gravel sand

Direction ~~of surface current~~ Wind, SSW

Force ~~of surface current~~ Wind, 2

Direction ~~of bottom current~~ Drift, East ½

~~Drift~~

~~Force of bottom current~~,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J McLeighton

Mate U S N

1199

REMARKS.

Specimens Obtained
Sea Robbins Scallop Crabs Hermit
Sea Urchin Squid Sea Bass

1199

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1199

Date, Aug 9th

Locality, Off Falmouth

Bearings, Nobska Light SW x W 1/2 W 1 1/2

~~Falmouth S 1/4 E 1 1/2~~ E Chop Light S E 9

Time of day, 11.28 am; of tide, Flood

State of sky, Rc

Temperature of air, 70

" surface of water, 72

" at depth of fathoms,

" of bottom, 71.5

Depth, in fathoms, 4

Nature of bottom, Shell sand gravel grass

Direction ~~of surface current~~ Wind SSW

Force ~~of surface current~~ Wind 2

Direction ~~of bottom current~~ Drift E S E 1/4

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J Mclaughlin

Mate U S F C

12 00

REMARKS.

Specimens Obtained
Sea Robbins Spider Crabs
Hermit Crabs Scallops
Star fish Sea urchin

1200

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet

Current number of observation, 1200

Date, Aug 9th 1887

Locality, Off Falmouth

Bearings, Nobska light N X S 2'
Falmouth N E X E 1/4 E Chop light S E X S 8 1/2'

Time of day, 11. 49 ; of tide, Flood

State of sky, V C

Temperature of air, 70

" surface of water, 71

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 5. 1/4

Nature of bottom, Sand Shell mud

Direction ~~of surface current~~ wind, S S W

Force ~~of surface current~~ wind, 2

Direction ~~of bottom current~~ drift, S X E 1/2

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J Memphis
Mate U S N

1201

REMARKS.

Specimens obtained
Hake Flounder Sea Robins
Tautog Summer

1201

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11) feet

Current number of observation, 1201

Date, Aug 9th 1887

Locality, Off Falmouth

Bearings, Nobska light S W x W 1/2 W 1 1/4'

E Lehoe light S E x S 3/4 S. ~~Falmouth E 1 3/4~~

Time of day, 12 20 ; of tide, Flood

State of sky, Clear

Temperature of air, 71

" surface of water, 71

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 2 1/2

Nature of bottom, Sand gravel

Direction ~~of surface current,~~ Wind S S W

Force ~~of surface current,~~ Wind 3

Direction ~~of bottom current,~~ drift N E 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J M Leighton

Mate U S N

12 02

REMARKS.

Specimens Obtained
Flounders Crabs Lobsters
Sea Robbins Skates Eggs of squid
Star fish

1202

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 fat)

Current number of observation, 1202

Date, Aug 9th 1887

Locality, Menemsha Bight

Bearings, Gay Head light W 1/4 S 4 1/2 Center Zenitas Hole W by W 1/4 W, Tarpaulin Cove N. N. E 1/4 E.

Time of day, 3.50 PM ; of tide, Ebb

State of sky, Cl

Temperature of air, 69

" surface of water, 67

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 7

Nature of bottom, Sand (hard)

Direction ~~of surface current~~ Wind, S E

Force ~~of surface current~~ Wind, 3

Direction ~~of bottom current~~ drift, S S W 3/4 W 1/2 Mile

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S Fish Co

Name and rank of commanding officer, James Admiller
Mate U S F

Name and position of observer,
J M Creighton
Mate U S F

1203

REMARKS.

Specimens Obtained
Lobster Skate Eggs of squid
Flounders Star fish Sea Robins

1203

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1203

Date, Aug 9th 1887

Locality, Menemsha Bight

Bearings, Center Quicks Hole Tel by W Bell by Head W by S
Larpaulin Cove Light N N E. 3/8 E.

Time of day, 4.07 ; of tide, Ebb

State of sky, Fe

Temperature of air, 70

" surface of water, 69

" at depth of fathoms,

" of bottom, 67

Depth, in fathoms, 8

Nature of bottom, Hard sand

Direction ~~of surface current~~ Wind, S E

Force ~~of surface current~~ Wind, 3

Direction ~~of bottom current~~ drift N W 3/4 W, 1/4 mile

Force of bottom current,

Name of vessel, U S Str Fishhawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1204

REMARKS.

Specimens Obtained
Skates lobsters squid flounders
Clams & Shells

1204

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1204

Date, Aug 9 1887

Locality, Menemsha Bight

Bearings, Gay Head W S W Lighthouse Cove N E x N 7/8 N
Center Lighthouse Hole N x W 1/4 W 3/4

Time of day, 4.25 Pm ; of tide, Ebb

State of sky, Cl

Temperature of air, 70

" surface of water, 69

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 9

Nature of bottom, Hard sand

Direction ~~of surface current~~ Wind, S E

Force ~~of surface current~~ Wind, 3

Direction ~~of bottom current~~ drift, North 3/4 W 1/2

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached,

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J McLeighton
Mate U S N

1205

REMARKS.

Specimens Obtained
Star Fish, Rock Eels

1205

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1205

Date, Aug 11th 1887

Locality, East chop light

Bearings, Tobska N W 3/4 W W chop W x N 3/4 N 2, E chop W x N 1/4

Time of day, 10.42 am; of tide, Flood

State of sky, Clear

Temperature of air, 73

" surface of water, 71

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 10

Nature of bottom, Sand + shell + rock

Direction ~~of surface current~~ wind, S S W

Force ~~of surface current~~ wind, 4

Direction ~~of bottom current~~ swift, W x S, 1/4 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith Mate U S N

Name and position of observer, J M Leighton Mate U S N

1206

REMARKS.

~~It~~
Starfish clams species costs

1206

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1206

Date, Aug 11th 1887

Locality, Off E Chop Light Vineyard Sound

Bearings, Nobska light S W 3/4 W 5/2

West Chop W & N 3/4 N from E Chop W 5/8 N

Time of day, 10.55 am; of tide, Flood

State of sky, bc

Temperature of air, 73

" surface of water, 70.5

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 11

Nature of bottom, Sand shell gravel Mud

Direction ~~of surface current~~ wind, SSW

Force ~~of surface current~~ wind, 4

Direction ~~of bottom current~~ drift, E x S 1/4 S 1/2 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J Mclaughlin
Mate U S N

REMARKS

1207

REMARKS.

Same as 1206

TEMPERATURE RECORD.

Instrument used, Dredge V

Current number of observation, 1207

Date, Aug 11th 1887

Locality, Off East chop Light

Bearings, Nobska N N X W 1/4 W

W Chop N X N 1/2 N 3 E Chop Mat 5/8 N

Time of day, 11.10 ; of tide, Flood

State of sky, Cl

Temperature of air, 75

" surface of water, 71

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 11.5

Nature of bottom, Sand + gravel

Direction of ~~surface current~~ Wind SSW

Force of ~~surface current~~ Wind 1

Direction of ~~bottom current~~ drift E X S 1/4 S 1/2 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J McLaughlin
Mate U S N

1208

REMARKS.

Specimens Obtained
Same as 1206

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1208

Date, Aug 11th 1887

Locality, Off East Chop Light

Bearings, Nobska N W 3/4 W ½
Edgartown Sta S 1/2 W E Chop N X N 3/4 W N

Time of day, 11.29 ; of tide, Flood

State of sky, bc

Temperature of air, 73

" surface of water, 70.5

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 10

Nature of bottom, Sand Gravel & Shell

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ drift E X S 1/4 S, 1/2 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Mate U S N

Name and position of observer, J H Leighton
Mate U S N

1209

REMARKS.

~~G~~ Spider Crab Soup
Hermit Crab Haik

S.C by C 3/4 C.

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1209

Date, Aug 11th 1887

Locality, Muskeget Channel

Bearings, SE End Martha's Vineyard SW 1/2 S
Cape Poge N 5/8 E, S S S m Dale S E 3/4 E

Time of day, 12.50 PM; of tide, Flood

State of sky, Clear

Temperature of air, 70

" surface of water, 69

" at depth of fathoms,

" of bottom, 69.5

Depth, in fathoms, 5

Nature of bottom, ~~[illegible]~~ + sand

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind, 3

Direction of ~~bottom current~~ drift, North

Force of bottom current, ~~E 1/4 S 1/4~~ 1.74 mile

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer, J Merighton
Mate U S N

1210

REMARKS.

Specimens Preserved
Sculpins, Crabs & Hermit Crabs
& Scup

TEMPERATURE RECORD.

Instrument used, Reeves Trawl (11 feet)

Current number of observation, 1260

Date, Aug 11th 1887

Locality, Muskeget Channel

Bearings, S End Martha's Vineyard S W x S 1/4 S

Muskeget Isle S E 1/2 E Cape Pogue N 3/4 W 2 1/2

Time of day, 1.13 PM ; of tide, Flood

State of sky, Lc

Temperature of air, 70.5

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 3

Nature of bottom, Sand

Direction of ~~surface current,~~ Wind SSW

Force of ~~surface current,~~ Wind 3

Direction of ~~bottom current,~~ drift ~~E 1/4 S~~ N 1/4 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Name and position of observer, J M Leighton
Ensign U S N

1210

REMARKS.

Specimens Obtained
Worms Worm tubes & cup + small shell

drift ~~S E 1/4 E~~ Bin

Island

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1211

Date, Aug 15 1887

Locality, Off West Island Buzzard Bay

Bearings, Dumpling Light W 1/2 S

Clarke Pt W N W 1/4 W Cedar Pt N X E 1/4 E

Time of day, 10-18 Am; of tide, Slack

State of sky, Oc

Temperature of air, 70

" surface of water, 69.5

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 6

Nature of bottom, Black Mud

Direction of ~~surface current~~ Wind, S S W

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ drift, S E 1/4 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1212

REMARKS.

Specimens Obtained
Spider crab codfish Sea Robin
Flounder Squilla

SSE ~~E~~ Bin drift

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1212

Date, Aug 15 1887

Locality, Off West Island Buzzard Bay

Bearings, Dumpling Light N 1/2 S

Clarks Pt Lt N W x W Nashs Pt Lt N x E

Time of day, 10.25 ; of tide, Flood

State of sky, Cr

Temperature of air, 78

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 7

Nature of bottom, Shell Grass

Direction of ~~surface current~~ Wind S S W

Force of ~~surface current~~ Wind 4

Direction of ~~bottom current~~ drift S E 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith Mate U S N

Name and position of observer, J Mulington Mate U S N

1213

REMARKS.

Specimens obtained
Sand eggs Spider crabs Soup
flounder conchs shell

Drift SSE Bin

TEMPERATURE RECORD.

Instrument used, Beam Trawl 111 feet

Current number of observation, 1213

Date, Aug 15th 1887

Locality, Off West Island Buzzards Bay

Bearings, Dumpling Light West

Weaver Pt Lt S W x W 1/4 W. Nashawena Pt Light N 1/2 E

Time of day, 10-55 ; of tide, Flood

State of sky, Lc

Temperature of air, 78

" surface of water, 70

" at depth of fathoms,

" of bottom, ~~70~~ 70.5

Depth, in fathoms, 7 1/2

Nature of bottom, ~~70.5~~ Shell gravel

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind, ~~SSW~~ 4

Direction of ~~bottom current~~ Drift, ~~NE~~ E 1/4 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J Mulcighton
Mate U S N

1214

REMARKS.

Specimens Obtained
Conchs shell Spider crabs

Drift - S S E Bin

TEMPERATURE RECORD.

Instrument used, Beam Trawl 01 feet

Current number of observation, 1214

Date, Aug 15th 1887

Locality, Off West Island Buzzard Bay

Bearings, Dumpling Lt N 1/4 S

Clarks Pt Lt S W x W 1/2 W Ships Pt Lt North

Time of day, 11.20 ; of tide, Flood

State of sky, 2c

Temperature of air, 69.5

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 7 1/4

Nature of bottom, Shell & grass

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ drift, S E 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J M Leighton
Mate U S N

1215

REMARKS.

Specimens Obtained
Shells worms

Drift- SE½ 8½ 8 Bin
SSE½E Stand

TEMPERATURE RECORD.

Instrument used, Bridge

Current number of observation, 1215

Date, Aug 15th 1887

Locality, Middle Buzzards Bay

Bearings, Dumpling Lt W½S
Clarks Pt Lt N½W½W Nob Pt Lt N½W

Time of day, 12.44 ; of tide, Flood

State of sky, Lc

Temperature of air, 69.5

" surface of water, 70.5

" at depth of fathoms,

" of bottom, 7

Depth, in fathoms, 7½

Nature of bottom, Black mud

Direction of ~~surface current~~ Wind, SSW

Force of ~~surface current~~ Wind 4

Direction of ~~bottom current~~ Drift, SE 1/4 mile

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1216

REMARKS.

Specimens Obtained
Shell gravel worm & worm tubes

TEMPERATURE RECORD.

Instrument used, Bridge

Current number of observation, 1216

Date, Aug 15th 1887

Locality, Middle Fort Buzzards Bay

Bearings, Dumpling Lt N 1/2 W
Clark Pt Lt N W X W 1/4 W Cuttyhunk Pt Lt N X W

Time of day, 12,03 PM; of tide, Flood

State of sky, bc

Temperature of air, 69

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 7 1/2.

Nature of bottom, Black mud

Direction of ~~surface current,~~ Wind S S W

Force of ~~surface current,~~ Wind 4

Direction of ~~bottom current,~~ Drift S E 1/4

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1217

REMARKS.

Specimens Obtained
Same as 1216

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1217

Date, Aug 15th 1887

Locality, Middle part Buzzards Bay

Bearings, Dumpling Lt W 1/2 N

Clarks Pt Lt N W 1/2 W Aide Pt Lt N 1/2 W

Time of day, 12,25 ; of tide, Flood

State of sky,

Temperature of air, 69

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 7 1/2

Nature of bottom, Black mud

Direction of ~~surface current~~ Mud, SW

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ drift, SE 1/4

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,

J M Leighton
Mate U S N

1218

REMARKS.

Specimens Obtained
Same 1214

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1218

Date, Aug 15 1887

Locality, Buzzards Bay

Bearings, Dumpling Lt N 3/4 W

Clarks Pt Lt S W x W 1/4 W Nasa Pt Lt S x W 1/2 W

Time of day, 12.55 ; of tide, Flood.

State of sky, Cloudy

Temperature of air, 69

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 8

Nature of bottom, Black mud

Direction of ~~surface current,~~ Wind S. W.

Force of ~~surface current,~~ Wind 4

Direction of ~~bottom current,~~ drift S E 1/4

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S A

Name and position of observer, J M Leighton
Mate U S A

1219

REMARKS.

Specimens Obtained

Same as 1216

+

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1219

Date, Aug 15th 1887

Locality, ~~B~~ Middle Point Buzzards Bay

Bearings, Dumpling St N 5/8 W

Clarke Pt. S W x W 7/8 W Orcha Pt Lt S x W 3/4 W

Time of day, 1, 18 PM ; of tide, Flood

State of sky, cloudy

Temperature of air, 69.5

" surface of water, 70

" at depth of fathoms,

" of bottom, 71

Depth, in fathoms, 8

Nature of bottom, Black mud

Direction of ~~surface current~~ Wind SW

Force of ~~surface current~~ Wind 4

Direction of ~~bottom current~~ Drift S E 1/4 mile

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J Midenighton
Mate U S N

1220

REMARKS.

Specimens Obtained

Same as 1216

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1220

Date, Aug 18th 1887

Locality, Buzzards Bay

Bearings, Dumpling Lt N X E ½ E

Clarks Pt Lt S W X W ¼ W Nds Pt Lt S X W ¾ W

Time of day, 1:22 P.; of tide, Flood

State of sky, Cloudy

Temperature of air, 69.5

" surface of water, 70

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 8½

Nature of bottom, Black mud

Direction of ~~surface current~~ Wind, S W

Force of ~~surface current~~ Wind, 4

Direction of ~~bottom current~~ Drift, S E ¼

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Lieut U S N

Name and position of observer,
J Nutenighton
Mate U S N

1221

REMARKS.

Specimens Obtained
Same as 1216

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1221

Date, Aug 15th 1887

Locality, Buzzards Bay

Bearings, Sampling St N 3/4 N

Lelarke Pt N W & W 3/4 W Stids Pt S S W

Time of day, 2 PM ; of tide, Flood

State of sky, Cloudy

Temperature of air, 69.5

" surface of water, 70

" at depth of fathoms,

" of bottom, 72

Depth, in fathoms, 7 1/2

Nature of bottom, Black Mud

Direction of ~~surface current,~~ Mud S W

Force of ~~surface current,~~ 4

Direction of ~~bottom current,~~ drift S E 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J S Leighton

Mate U S N

1222

REMARKS.

Specimens Obtained
Sponges Sea Urchins Worms
Crabs Star fish

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1222

Date, Aug 27th 1887

Locality, Vineyard Sound

Bearings Tarpaulin Cove N 3/8 S N Chop SE 1/2 S

Nobska Lt N X W 1/2 W

Time of day, 10.08 Am of tide, Ebb

State of sky, Fair

Temperature of air, 67

" surface of water, 68

" at depth of ~~[illegible]~~ fathoms,

" of bottom, 69

Depth, in fathoms, 12 1/2

Nature of bottom, ~~Stone~~ sand Shell

Direction of ~~surface current~~ Mud, W b W

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ Drift, West 3/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith

Mate U S N

Name and position of observer,

J M Enighton

Mate U S N

1223

REMARKS.

Specimens Obtained
Star fish Sea Urchins Shells
Sponges Worms

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1223

Date, Aug 27th 1887

Locality, Vineyard Sound

Bearings, West Chop S E 1/4 E

Tarpaulin Cove N 1/2 S Nobska N W x N 5/8 N

Time of day, 10.20 AM of tide, Ebb

State of sky, Sc

Temperature of air, 67

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 125

Nature of bottom, Shell & Sand

Direction of ~~surface current~~ Wind, N S W

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ drift, West 3/4

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1224

REMARKS.

Specimen Obtained
~~Star fish See Book~~
Same as 1223

TEMPERATURE RECORD.

Instrument used, Bridge

Current number of observation, 1224

Date, Aug 27th 1887

Locality, Vineyard Sound

Bearings, Lighthouse Cove N 3/8 S

West Chop S E X E 3/4 E Nobska N 1/8 E

Time of day, 10.36 am ; of tide, Ebb

State of sky, Dc

Temperature of air, 67

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 11 1/2

Nature of bottom, Sand & Shell

Direction ~~of surface current~~ Wind, N S W

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ drift, West 1/2

Force of bottom current,

Name of vessel, U S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Master U S N

Name and position of observer,
J H Leighton
Mate U S F C

1225

REMARKS.

Specimens Obtained
Same as 1223

TEMPERATURE RECORD.

Instrument used, Dredge

Current number of observation, 1225

Date, Aug 27th 1887

Locality, Vineyard Sound

Bearings, Tarpaulin Cove N 3/4 S

Robbins N x E 1/4 E Nat Chase S E x E 1/4 E

Time of day, 10.55 Am of tide, Ebb

State of sky, Vc

Temperature of air, 67

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 13

Nature of bottom, Sand Gravel + Shell

Direction of ~~surface current~~ Wind, N S W

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ drift, West

Force of bottom current, 1/2

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Mate U S N

Name and position of observer,
J M Leighton
Mate U S N

1226

REMARKS.

Specimens Obtained
Scup Jelly fish & Sea bass

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation; 1226

Date, Aug 27th 1887

Locality, Vineyard Sound

Bearings, Mattakese E x S 1/2 S

Nobska N x E Tarpaulin Cove W 1/4 S

Time of day, 11-14 am; of tide, Ebb

State of sky, b-c

Temperature of air, 67

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 13

Nature of bottom, Sand & Shell

Direction of ~~surface current~~ wind WSW

Force of ~~surface current~~ wind 3

Direction of ~~bottom current~~ drift West 1/4

Force of bottom current,

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S F

Name and position of observer,

J M Leighton
Mate U S F

1227

REMARKS.

Specimens Obtained
Squid bear sponge Starfish

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1227

Date, Aug 27 1887

Locality, Vineyard Sound

Bearings, Tarpaulin Cove N 1/8 S
Nobska N 3/4 W West Chop E ½ S 1/8 S

Time of day, 11,32 Am; of tide, Ebb

State of sky, Bc

Temperature of air, 67

" surface of water, 68

" at depth of fathoms,

" of bottom, 68

Depth, in fathoms, 13

Nature of bottom, Sand & Shell

Direction of ~~surface current~~ Wind, N & W

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ Sea, West 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, Jarvis Smith
Mate U S N

Name and position of observer, J M Leighton
Mate U S N

1228

REMARKS.

Specimens Obtained
Skate Flounders Crabs
Clam fish. Squid eggs
Hermit crabs, Sponges

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1228

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Gay Head S 87/8 S

Cuttyhunk N W 7/8 W Vineyard S 1/4 S 58 West

Time of day, 10-42 am; of tide, Flood

State of sky, Cl

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 18

Nature of bottom, Sand

Direction of ~~surface current~~ Wind N N E

Force of ~~surface current~~ Wind 3

Direction of ~~bottom current~~ drift West 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master

Name and position of observer, J M Leighton
Mate U S N

1229

REMARKS.

Specimens Obtained
Summer Hake Flounders Starfish
Hermit Crabs

TEMPERATURE RECORD.

Instrument used, Beam Lead (11 feet)

Current number of observation, 1229

Date, Aug 29 1847

Locality, Vineyard Sound

Bearings, Vineyard Sd St Ship W 1/8 S
Cuttyhunk St N W 1/8 N

Time of day, 11.12 am; of tide, Flood

State of sky, Dr

Temperature of air, 66

" surface of water, 64

" at depth of fathoms,

" of bottom, 62

Depth, in fathoms, 15 1/2

Nature of bottom, Sand

Direction of ~~surface current,~~ Wind N N E

Force of ~~surface current,~~ Wind 3

Direction of ~~bottom current,~~ drift West 1/2

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,
J Mclenghlon
Mate U S N

1230

REMARKS.

Specimens Obtained
Same as 1229

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1230

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Vineyard Sd Lt W 5/8 N
Cuttyhunk Lt N & W 3/4 W Gay Head S E 1/2 E

Time of day, 11.47 AM of tide, Flood

State of sky, Clear

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 61

Depth, in fathoms, 14

Nature of bottom, Sand

Direction of ~~surface current~~ wind, N N E

Force of ~~surface current~~ wind, 3

Direction of ~~bottom current~~ drift, West

Force of bottom current, 3/4

Name of vessel, U S F C Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer,

Name and position of observer,

1231

REMARKS.

Specimens Obtained
Sand & small dead shells

TEMPERATURE RECORD.

Instrument used, Bridge

Current number of observation, 1231

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Vineyard S 5° E W x N 1/2 N

Gay Head S E 3/4 E Cuttyhunk N x W 3/4 W

Time of day, 12, 15 PM; of tide, Flood

State of sky, F C

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 62

Depth, in fathoms, 16

Nature of bottom, Sand

Direction of ~~surface current~~ wind, N N E

Force of ~~surface current~~ wind, 3

Direction of ~~bottom current~~ drift, West 1/2

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S N

Name and position of observer,

J McLeighton
Mate U S N

1232

REMARKS.

Specimens Obtained,
Sand dollars Hake
Skates Starfish

TEMPERATURE RECORD.

Instrument used, Beam Pearl (11 feet)

Current number of observation, 1232

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Vineyard Sound St Ship N x E 1/8 E
Gay head SE 1/4 E Cuttyhunk NW x E 1/8 E

Time of day, 1 PM ; of tide, Flood

State of sky, bc

Temperature of air, 65

" surface of water, 64

" at depth of 13 fathoms, 62 1/2

" of bottom, 62 1/2

Depth, in fathoms, 13

Nature of bottom, mud + shells

Direction of ~~surface current~~ Wind, NNE

Force of ~~surface current~~ Wind, 2

Direction of ~~bottom current~~ Drift, West 3/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, J A Smith
Mate U S N

Name and position of observer, J M Creighton
Mate U S N

1233

REMARKS.

Specimens Obtained
sand dollars crabs
dead shell Hermit Crabs
starfish

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1233

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Vineyard Sta. Ship W 7/8 N
Cuttyhunk N W 5/8 N Gayhead S E 1/8 S

Time of day, 1.27 PM ; of tide, Flood

State of sky, Dc

Temperature of air, 65

" surface of water, 64

" at depth of 5 1/2 fathoms, 62

" of bottom, 62

Depth, in fathoms, 13 1/2

Nature of bottom, Sand shell

Direction of ~~surface current,~~ Wind N N E

Force of ~~surface current,~~ Wind 2

Direction of ~~bottom current,~~ Drift Steady

Force of bottom current, 1/2

Name of vessel, U S S Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith
Mate U S N

Name and position of observer, J M Leighton Jr
Mate U S N

1234

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used, Sndgr

Current number of observation, 1234

Date, Aug 29 1887

Locality, Vineyard Sound

Bearings, Gayhead S E 3/4 E

Vineyard Sound So W 5/8 W Cuttyhunk N W 1/2 W

Time of day, 1-49 PM ; of tide, Flood

State of sky, Vc

Temperature of air, 65

" surface of water, 64

" at depth of 13½ fathoms, 62.5

" of bottom, 62.5

Depth, in fathoms, 13½

Nature of bottom, Sand shell

Direction of ~~surface current~~ Wind N N E

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ drift West

Force of bottom current, 74

Name of vessel, U S F Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Mate U S F

Name and position of observer, J M Lemphier
Mate U S N

1335

REMARKS.

Specimens Obtained
Sand dollars starfish
sponges crabs, flounders

TEMPERATURE RECORD.

Instrument used, Beam Trawl (11 feet)

Current number of observation, 1235

Date, Aug 29th 1887

Locality, Vineyard Sound

Bearings, Gay Head S E x S 1/4 S

Vineyard Dt S W x W 1/2 W Cuttyhunk N W 1/8 W

Time of day, 2.10 PM ; of tide, Flood

State of sky, Fair

Temperature of air, 65

" surface of water, 64

" at depth of fathoms,

" of bottom, 62.5

Depth, in fathoms, 12

Nature of bottom, Sand Shell

Direction of ~~surface current~~ Wind N N E

Force of ~~surface current~~ Wind 2

Direction of ~~bottom current~~ strife West 1/4

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer, J M Leighton
Mate U S N

1236

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 1236

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,~~ Wind

Force of ~~surface current,~~ Wind

Direction of ~~bottom current,~~ Drift

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James Smith Mate USN

Name and position of observer,

1237

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 1237

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,~~ Wind

Force of ~~surface current,~~ Wind

Direction of ~~bottom current,~~ Drift

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Watch Officer

Name and position of observer,

1238

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 1238

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~~ Mud,

Force of ~~surface current~~ Mud,

Direction of ~~bottom current~~ Drift,

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James H Smith
Master U S N

Name and position of observer,

1239

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 1239

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, 1

Direction of ~~surface current~~ Wind,

Force of ~~surface current~~ Wind,

Direction of ~~bottom current~~ drift

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer,

1240

REMARKS.

Specimens Obtained

TEMPERATURE RECORD.

Instrument used,

Current number of observation, 1240

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~~ Wind,

Force of ~~surface current~~ Wind

Direction of ~~bottom current~~ drift,

Force of bottom current,

Name of vessel, U S S Fish Hawk

To what service attached, U S F C

Name and rank of commanding officer, James A Smith
Master U S N

Name and position of observer,

REMARKS.

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