DIARY
1878-4
W. H. DALL
U.S. C.S.
W.H. Dally
Ad. Coast Survey
214 Stockton St.
San Francisco
Cal.
Kuskat Rocks
Lutina Bay
Dry Bay
Park and Joseph
Middle Pt
Chindeff Anchorage
Chindeff Is.
Hunting A 05
Anchorage Chignik Bay
Monday Dec 1, 1873
Morning - F.O. Breakfast & office
Henderson comes in, and gets up books from vessel. Work over chart of Hog Island all the A.W. Go to Shinnacher's room with him in P.U. & look at ethnological specimens.
Dinner and in P.U. go to hear Italian opera. Unball in masque at Platts Hall with Mrs. Hooper.

Tuesday Dec 2
Morning cold, down to breakfast, then to office. Finish Hog Island chart. Get pictures of & Siberian tribes from Frost. Unpack boxes of collections. Write to Packard. P.U. call on Ragnay.

Wednesday Dec 3

Thursday Dec 4
Breakfast, called Brooks - Up to office. Streets comes in. Go down to Academy with him, and look over papers, then to office again. Bill by up to me. Sir, I attend a social at Mrs. Dr. Hastings', having a pleasant time.
Friday Dec 5
Mornin up to office. Work over estimates. Write to Mr. Geographical Trc. & write to Alaska Work. 9 M. at home.

Saturday Dec 6

Sunday Dec 7

Monday Dec 8
Down to bank & up to office. See Davidson about boat. Write to Reid. Capt. Herendeen comes in also Capt. Bellman. About 3 P.M. go aboard the Yukon. Bring up some books &c. Up to office & dine. P.M. go out to Capt. Wells & spend the P.M.

Tuesday Dec 9
Up to office. Writing hard. Work over accounts and requisitions. Go down to Wells Fargo's with Shumacher into bank & back to office. Then down again stop at Barstow & meet Steams & Stein-dachnei, up with them to office & look over adopties. P.M. go to the Armour Corps with Brandel.
Wednesday Dec 11
Morning, down to office, send phre., to 
Wells Fargo—2 30 P.M. go 
down to vessel with Dr. Theindach-
ner, and took over pups. The Dr. 
afterwards dines with me. Call 
at Lewis Dr. Hensom & Capt. Smith.

Thursday Dec 11
Down to office, see Rathkeff. 
Go over chart with Ublig. Post letter to 
Dr. Davidson. Go in to California Office+ 
see Carmany & jot papers. P.M. dine 
with Shanes. Dr. & Mrs. Davidson & Dr. 
Theindachner & Dr. Blakes.

Friday Dec 12
Letter from mother with good news from 
North. Work at office over tracing of 
Hybla. Call on Davison find him out 
Take the 3 P.M. boat & go to Oakland 
and call on the Dr. Ross & Wilmans & 
dine with them returning at 10 20.

Saturday Dec 13
Down to office, rainy. Get tracing from 
Belknap. Work over boundary game. P.M. 
call on Mr. Avery and lose my umbrella.

Sunday Dec 14
Round to office & church & returned to office 
Write letters & work on diagrams. P.M. 
Dine at Capt. Noyes and call on the 
Olmers & Ross & in the evening 
with Mrs. Noyes & Mr. Smith.
Monday Dec. 15

Morning down to office. Simpson come in. Work over rounding machine and finish tracing of it. Capt. Herendeen & Steindachner call. Agassiz is dead. P.M. Leave books at Kimball's and go to dinner. Evening Academy takes action for a public meeting in regard to Agassiz death, and I meet Mui, Le Conte and others and walk back with Andrew Davis.

Tuesday Dec. 16

Up early; breakfast & go to office no mails. Work at office & Shears & Capt. Hall come in. P.M. Take books to senders. Evening call on Mrs. Dr. Hastings and Mrs. Rankin.

Wednesday Dec. 17

Thursday Dec 18, 73
Down to office, write resolutions
Drew letters for members to
Send tickets & write to Leona
Gilman & Stebbings about speeches
Capt. Herendeen comes in. P.M.,
Work till 11 P.M., with Stearns over
directing & foot stamping 350
envelopes. Then go down to his
house for a little while. Fischer
comes in in drill & I give him
an order for a drudge & 2 nets.

Friday Dec 19
Morning, mails sent again - Stop
at Capt. Noyes' & bank, then to office
Walk down with Mrs. Rockwell &
Go down to Ganette & Bucknam's
Back to office. Mr. Reames comes in.
Rapp & Kauflauff. Evening. Baker
ill, call on Stebbings & talk over
lecture & regiment recruiting ship.

Saturday Dec 20
Up to office, Rappus came. Better
weather. Work at office. Capt. Hall
comes in also Mr. Mange. Down
to see Bacon. P.M. Baker goes out
to the gardens. Evening mark clothes
& go round to Stearns.

Sunday Dec 21
Morning as ill. Stebbings does not
preach. Do not go to church
but stay at the office and write and help Schumann.
P.M. dine with Capt. Noyes &
call on Mrs. Newton, with Miss
Noyes in P.M.

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Monday Dec 22

Buy some cigars and a present
for Capt. Noyes. Down to office the
Capt. November. Stearns being
sick - see Barlow. Go down to Stearns
then round to Carmans. Back to office
see Mrs. Dr. Scott, then to dinner &
over to Stearns. Take Miss Stearns
to the hall and proceed with the
Agassiz memorial exercises &
back to Stearns.

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Tuesday Dec 23

Up to office. Day clear & cold and
read cont's paper & Stearns. Work
at office over Hadrick Meteorology
Go down to Garrettts & look at
sounding apparatus - Go to Bank
and back to office - Down to
dinner. P.M. Call with Baker at
Mr. Abram Hall's

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Wednesday Dec 24

letter and a beautiful pair of slip-
ners from Sadie - Meet Steven &
Noyes & Capt. Hall comes up to
the office, get my charts - Print of
which are out - Stearns comes to
The office and we read a lot of papers. Mr. Kurnan comes in 9-10 introd. him to my sister. Later in the day go down to Bucknam's and into Brown's then round to Mrs. Brannam's and Miss Noyes', call on Capt. Smith and up to Bancrofts and get a book for Baker. Round to dinner and meet Bundel, go through the Calamarket and into the art gallery.

Thursday Dec 25
Morning pleasant, go to breakfast and round to office. Write letters to Mr. Higginbotham. About noon go round to Stearns for a while and back to room. At 6 P.M. go to Hague's to dine and spend the evening.

Friday Dec 26
Breakfast and round to office. Go down town and call on Whitney about fossil man. Show chart to Stokes and Capt. Noyes, and return map to Mr. Back to office and down to Bucknam's. Dine and call on the Brannam's with Miss Noyes.

Saturday Dec 27
Down to office - See Mr. Colman to give him data, and look over Smith's shells. Go down to Bucknam's and see about pattern of sounding shot - back to office. Dine and call on Stearns in P.M.
Sunday Dec. 25
Church & back to office until letters + work over chart, then over to Capt.
Noyes' to dinner & spend P.M. with Bra-
ker.

Monday Dec. 26
Down to P.O. and bank for book
Then to office, see Nurenden and down
with Sangster to see about stove.
Back after calling at Fordham's.
Work over list of birds. Evening
raining hard, go to California theater
with Beulah & Baker

Tuesday Dec. 27
Morning. Call at bank, up to office
have stove put in. Go to carpenters
& bank, also Rahakoff's. Back to office
see Stevens, down to Buckman's & re-
turn to office. P.M. Call on Mrs. Elma

Wednesday Dec. 28
Morning call at Hodges & bank, up to
office. Work over birds. Rain in
P.M. Go to Alhambra, minstrels
with Baker & Beulah in P.M.

January 1, 1874

Thursday
Morning rains hard. Down to office
Nurenden comes in with bill. Work
all day at office over vouchers. Rains
harder than any previous day this winter
Evening call on Capt. Smith.
Friday Jan 2, 1874
Morning call at Bacon's & down to office. Soundings machines come in but the shot has not been cast according to pattern. Go down to C.A. tons and arrange to have castings made at 7f. Read proof at Bacon's. Back to office see Sker's. P.M. call on Mr. Rockwell.

Saturday, Jan 3
Morning down to office. Clear & cold. Work over vouchers, go round and pay bills. Back to office and in P.M. call on Sker's.

Sunday, Jan 4
Morning clear, and fine, Office church and back to office. Write letters & in P.M. dine at Capt. Hoyle's & call on Misses Phillips & Murrell.

Monday Jan 5
Morning down to office. Work over accounts all day. Write letter to P.M. call on Mrs. Hague. Sker's comes in after Academy meeting.

Tuesday, Jan 6
Morning down to office. Cloudy, cold. Work over vouchers & over list of birds & shells from the Arctic crew. P.M. dine at Mr. Jennings.

Wednesday Jan 7
See Maybridge & Simpson.
Seena & Horendoen come in, call at shoe store, photograph gallery, 
Mullen’s Office. Work over catalogue of shells – go down to 
see Bloomer but don’t find him in. Walk up by Dr. Stone’s old 
Church & back to office – see 
Miss Otis. Call at Mrs. Haqwe’s 
Pill. Call on the Otoses

Thursday Jan 8, 74
Clean & cold. Down to office only. 
Work over catalogue of Archie’s 
shells all day. P.M. Call on 
Streams

Friday Jan 9
Day fine, & clear. Up to office, 
then over to Oakland with Streams. 
Visit & spend the day at the Cal 
University. Back to town in 
P.M. Evening call on Robbins 
and the Braamans

Saturday Jan 10
Morning cloudy & cold. Down 
to Office. Horshamaka comes in, 
Go down to see Cud. Carmanaka, Snowy 
& back to office. Work over parasol. P.M. 
Streams comes into room, Baker goes to hear 
Gilman & I call on Capt. Hall

Sunday Jan 11
Day rain & disagreeable. Office & church; 
Back to office. P.M. Dinner Capt. Noyes
Monday Jan 12
Morning, up to Academy, get shell & walrus parasites. Go to Bank & draw 600 gold @ 112. Then to office see Capt. Nelson, got 1975 for Hettie. Go down to vessel and pay off men to Jan 1. P.M. Call on Mrs. Rankin, etc. and Ben Avray.

Tuesday Jan 13
Down to office & look over Bendelton's pictures. Send records to office. Work over chart, and write letters. P.M. Play card with Mrs. Elmer & attend Miss Steixe reception to the Duke of Genoa.

Wednesday Jan 14
Down to office, see Nelson. Work over store list & get photos. P.M. Take books to the Brannons & call on Mrs. Rogers.

Thursday Jan 15

Friday Jan 16
Saturday Jan 17, 1874

Go to Academy & get fossils. Call at Raphael's about pants. Go up to office, blowing hard SW with rain. Down town, pay binder, painter & wind get Rahaskopf's bill, back to office from bank; back up a lot of shells. P.M. Bundle & start; come up to room.

Sunday Jan 18, 1874

Day sunny with westerly winds. Have a bad cold, don't go to church. Spend day packing and writing letters. P.M.
Dine at Capt. Noyes.

Monday Jan 19

Rainy & stormy. Down to office; then to Baudoux, Fernand's, Rahaskopf's pay bill, then to God. Survey meet; Hayne & then up to office again. Here to 'em in st. ll. - Order coal oil. Bad cold all day - P.M. Academy meeting; present two papers.

Tuesday Jan 20

Day half clean - Work at office in st. ll. P.M. go down to see Mr. and merchant scientific equipment. Evening call on the ladies.

Wednesday Jan 21

Work over chart in st. ll. Write during day, wet & stormy. P.M. Call on Capt. Smith.
Thursday Jan 22
Up early day fine - go to P.O. - went to the bank - get rubbers put in shape - go up to office and transfer drawing apparatus into other room - get ready to sail

with Smith about noon - and stand out about 4 P.M. wind very light

Friday Jan 23
Morning fine P.T. New Years almost a dead calm. The Wolcott passed us bound for Monterey - speed day getting at full 30 deep ahead rushing up Appen
dictonaria & Cympulus - left in morning for a land breeze

Saturday Jan 24
Get a little wind off Pt. Pines in at 10 - cloudy

Sunday Jan 25
Very light winds off C. S. wind

Monday Jan 26
Winds more on W.S.W. weather fine

1. Sometimes this is - P.U. lighter

2. Wm. was away - forgot weather

3. Santa - passed - wind very light
Wednesday Jan 26
Off Santa Barbara Island. Wind light E. Rough in P. About 7am off Catalina Harbor go in with a light breeze. town part of the way. Anchor in 6 fms. off the S. Side about 7.30

Thursday Jan 27
Go ashore in the P. and took up the shell heaps. Which do not promise very well. Then pick up a few things on the west beach. P. S. Dredging in the harbor. The rest of the party off quail hunting with moderate success.

Friday Jan 28
Fine weather. Started about 8am arranging yesterday's dredgings. P.M. go ashore to call the heathen in the east side of the island. Evening the steward refuses duty and we set him ashore.

Saturday Jan 29
Sunday Feb. 1, 1914

Day sunny, and everything dry, whales in the distance in Pull

Monday Feb. 2

Came the heavy sea. The decision on the north side of the island, but got much Pull. Overhaul drawings and sent them to Hopkins, much did not take. Some stones things.

Weather bad. Hard out but did not go to sea in an account of the heavy weather, going the way. Snow most of the day, being close.

Wednesday 7th

Got up early in Pull. Son. for Miguel. Was dead ahead, heading to windward all day.

Thursday 7th

Put in distant Santa Barbara in Pull. Write Mother, Mrs. Benson, Alby, Lewis Smith. 4 full news papers, stand of them, but want for salt and got back a little wing...
Friday Feb 6, 1874
Very light wind all day. W ill
Foggy. & calm at night.
Saturday Feb 7.
Light wind all day. About 1 P.
W. wind W NW winds start
up and we reach Ten My-
kel Harbor about ten minutes
past 1 and anchor in 7
fathoms bottom

Friday Feb 7
Blows a south easter. Go
ashore on it. It only fee 3/4
three fourths. Jerome, Emerson,
Barnes, Moller, Schorin
come in. Pull Monday in
strong to go ashore.

Monday Feb
Day extremely fine. Fly out a
lot of Shell in W. Wind.

Baker to pass to the north
point of the Island. Get a
number of oyster men a for
a few heavy oyster shells

Tuesday Feb
Start early in W. Wind. Rainy
1/2 S. S. wind for the W end of the Island when
we pick up a good many oyster
octopus and pack them back on
a horse. our own backs to
the vessel getting back about
1 P. M. Evening fish 5 8 wind
Wednesday, Feb 4

Wind light in early AM, but filled about 9 till from San Miguel
for Monterey. Shortly after leaving fort wind changed amount to
SW by W.

Thursday Feb 5

Strong NW wind in thick, with heavy

sleet. Rising off Monk Rock
dead calm, sleet still like the sea.

Friday Feb 6

A light rain from all quarters

with rain at night and rain

thunder light.

Saturday Feb 7

Got into Monterey. Harbor strat
dark. Wind high afterwards

a good NW with showers.

to return from the hotel for

a piece of beef at 4:30.

American invitation to a Cali

party and attend at the hotel to Pitt

with seventeen Budden repes.

Budden repres. a first time to

return to the hotel about 11

Pittman is great. Kindred. Wheller

gone. Blackman & Co. Mr. Haines

has left the hotel. The
town is very tall. The rest

call on the priest. I meet fate

the light keeper who invites us.
Saturday Feb 15

Went to church on St. Ill. P.M. go round on the beach & find two cold long skulls which seem to be pretty good. Catch a bit of crabs in evening. Rang Mr W. But clean.

Monday Feb 16


Tuesday Feb 17

Morning wind right. About 60th light 8th image. sailed for San Francisco. On tide the beach foreshore & we make pigeon pink by dark. A squall comes out of the NW & we have to take in all sail. Capt. Nebrin goes down to Berlin &across Monterey. Last from the NW.

Wednesday Feb 18

All day fighting against the NW gale. Ice off & going forward.

Thursday Feb 19

Wind lighter in ESE. Heating up the coast. Made passage in P.M. & clean his skeleton partly. By night up well. Point Pedro.
Friday Feb 20
Morning wind light, hazy all day, arrived Ft. Sumter, Alabama & Picke.
Sit between the heads and the wind dies away.

Saturday Feb 21
Get in about 4 a.m., 4 to up town,
got hair cut, P.O. Painters &
Office. Patterson has been ap-
pointed Supt. of the Survey. Look
over letters. Go down town, call
on Whitney, Overland Office, drawn
up to office again, Drinn ton
Dine with Deans & spend the
evening with him. Recipes for
Smith at his house.

Sunday Feb 22
Morning, P.O. Breakfast, room &
office. Church & back to office
make letter. Dine & spend P.M.
at Capt. Noyes.

Monday Feb 23
Breakfast, Steele's. Room, Ben
deleben & Dean on street. Office
Write a report & make drawing of
arming machine. Go to Grand Ho
tel for Whitney, who is not there, then
vessel. Get things sent up. Back to
office. Dinner. Evening. Deans
comes in.
Tuesday Feb. 24, 1874
Morning down to Fordham & dinner & breakfast, Yales & Baker with MSS. Office. See Mr. Baker, & things came up. See Davidson & handed in report, look over drawings with Schumacher. Write letter
get me from Wagner by Clay P. M. go to call with Capt. Smith on Capt. Hall

Wednesday Feb. 25
Go to Fordham & Tenants, P. O. order stationery at Hedges and take at
Hooke's - down to office, work over maps & see Einbeck. Go down town
see Schippers, Whitney, leave instrument with Rehefeld. Go into Bacon's
read proof. Dine & in evening call on Mrs. Hague

Fordham's P. O. Breakfast, Bacon's
proof, A.C. Co. Office down to Ship
yard, Give sketches to Whymper
Lunch with Shipper, down to sea
Look over collecting, up town
stop at office & read proof.
Dinner. Evening call on Capt. Hear

Friday, Feb. 27
Bacon's, Breakfast. Office Pay
visit for medical attendance.
see Mr. R. Baker and order lumber
Go to bank - Back to office &
write letters - P.M. down town
call at Rakes' joint - Carmans
Mr. Ellinwood - Hufflins & order
keys - and finally back to
office - P.M. Call on Miss
Moyez who goes to Los Angeles
tomorrow. Order lumber

Saturday Feb 12
Baker goes to St. Barton's
up to office and send tracing
of charts. Write on Petunia,
article - 9 o'clock and leave
charts at Shippey's - Call
at Moore's & buy some books.
Dine & call on Smith and Beans
in P.M.

Sunday March 6
Morning breakfast. Office &
Church - After church go up to
Mr. Hughes' back to office. Clean
up - write letters - P.M. Dine
at Ashburner's with Mr. & Mrs. Hague

Monday Mar 7
P. Office notettis. Breakfast round
at Steele's, out, up to room. Open
House & office. Remainder in
4 day cleaning up. Down town see
Steele, Frank, Whitney, Carmans, Bacon's frienman
Beans, Go to bank, pay Moore. P.M. Office House
with Mr. Ellinor - as Bendel is unwell
Tuesday Mar. 3/74

Wednesday Mar. 4

Thursday 5
Call at Bacon's, then at Tenants. Breakfast. Get Baker's package and up to office. Rainy & mastery. Packing specimens. Go down to the vessel & pack keg. See to boxes and come ashore up to office & continue packing. Dinner & in evening call on Mrs. Otis.

Friday Mar. 6
Morning, no letters. Up to office. Pay Hubbell's bill. Spend day in
packing boxes. P.M. go to Academy
and look over Cook's inlet shells &c. Take
up whale's skull, purpose do, humm.
P.M. dinner. Call on Stokins (out) & the Aranaus.

Saturday, Mar. 7/44.
Morning, down to P. O. see Carney
about Scammell's matter. Up to
office. Pack box & clean up.
Write to Prof. Henry. P.M. dine
and Baker comes back from Sta.
Barbara. Evening, Mr. Burke comes
in and we call on Stearns.

Sunday, Mar. 8.
Breakfast and up to office.
Church, back to office, write letters
Dinner and call on Illis. Whitney
in evening.

Monday, Mar. 9.
Neubecn comes in. Also old steward
whom I refuse to pay. Pay off
Polier and Richmond. Get
box & pack specimens. Get
notice from Danl. P. Sullivan that
the steward has filed a claim with
him for his wages—write to
him in reply. P.M. Get boxes
to Wells Fargo's. Up to office
and see San Diego fossils. Down
town and see printer and Carney
dinner with our proofs and call on
Capt. Smith.
Tuesday, Mar. 10.
Down town, call on printer, leave proofs with Cermamy, breakfast and see Capt. Hojes, get bank books, up to office, get receipts and go down to the Freight office of the R.R. and leave them with guarantee & release, way bills to be sent up tomorrow to the office, back to office and find Written's ear, read proofs and dine, evening call on Miss Rankin.

Wednesday, Mar. 11.
Morning see Bennett, leave watch call at binders, go up to office see Capt. Hendren, get receipts from R.R. Co., see Steward who brings a letter from Sullivan who throws it at my sense of justice to pay the mutinous rascal, go down and see him, he proves to be a good fellow and a friend of Stephen's, call at P.O. and see him later at printers, office, see R. Baker, evening go to circus with Bendel and Baker.

Thursday 12.
Morning rainy and stormy, P.O. up to office, Written comes in read proofs, goes academy.
look over papers. See Jennings and printer. Work over catalogue of fossils. After dinner call on Mrs. Ashburner. Write to Austin.

Friday Mar. 13

Morning P.O. to printer. Up to office read proofs & finish paper on fossils. Back town to printers. See Jennings and Whitney, look in to see Capt. Noyes who is out. Work over vouchers. P.M. Call on Stebbins.

Saturday Mar. 14

Morning raining hard. Up to office write letters. Get ready to go to Stockton to see H.S. Austin. Get lunch & leave on the 4 P.M. boat. Get to Stockton about 8:30. and ride over with Henry Austin.

Sunday Mar. 15

Go to church and afterwards walk about the town with H.S. Austin. Evening cloudy & cold.

Monday Mar. 16

Morning. Go over to the Insane Asylum with H.S. Austin & Clayton and go over the female ward and new wing with Dr. Shurtleff. Evening call on Mrs. Marshall.

Tuesday Mar. 17

Start for San Francisco on the 8:15 train and get in about
half past twelve. The St. Patrick’s procession is in progress. Call at Jennings and P. O. room and up to office, get letters up to office. Work there till dinner time. Evening, go to hear Miss Neilson in Asylum.

Wednesday, Mar. 10
Down to P. O. Up to Capt. Noyes’ office & bank—then to C.S. Office—see Schumacher—Nerendien. Work over bills and vouchers. About 2 P.M. go down to see doctors on the Maggie Johnstone who is just in from the Leeward Isls. He gives me some bottles. Back to office & write. P.M. go to dinner & call on Capt. Noyes.

Thursday, Mar. 11
Morning breakfast, get tickets and up to office. Pay off Schumacher. Work over vouchers. Write letters & pack away pamphlets. P.M. call at Smiths and on Stearns.

Friday, Mar. 10
Morning cloudy. Up to office. Work over articles on Desert Hearts. P.M. see Hodge & order stationery. Go down to vessel. Back to office & write. P.M. Call on Mrs. Hall.
Saturday Mar 21, 1874
Morning call at Hodges & up to the office. Work over article for Avery.
P.M. Go down town and see Watkins, Avery, out, and call at Shieves. After dinner got to hear the School for Scandal with Miss Noyes.

Sunday Mar 22
Morning warm & pleasant. Breakfast and up to room & office.
Church, back to office & write - work over portrait drawings.
P.M. dine at Capt. Noyes.

Monday Mar 23
Post office. Breakfast, up to office. Helen been comes in. Go to Cal. Theatre & get tickets. Leave car at Brooks, go to Carmany's and Hodges, Shieves and Academy. P.M. work over vouchers, dinner and in evening call on Shieves. Childrens.

Tuesday Mar 24
Morning P.M. Breakfast, pay Hodges bill. Call at bank & rooms up to office, pay George off. Work over proofs. Go down town call at Carmany's, leave proof with printer call at Shieves. Back to office.
Davidson returned from Sta. Barbara.

Evening Go to see Nahl's picture and Call at Hotel for Boardman and on Mrs. Busbee.
Wednesday Mar. 25

Born to P.O. printers. A luncheon and breakfast. Up to office. Herenden and T. W. Boardman came in. Work over payrolls etc. Rain in P.M. Evening got to hear Miss Neilson in the Hunchback, with Mary Stearns.

Thursday Mar. 26

Morning shower. P.O. breakfast, room and office. Work over list of stores etc. Go down to Fordham and get pin, call at Watkins and back to office. Evening, call on Capt. Bryant at the Grand Hotel and see Wm. J. MacIntyre and Boardman at the same time.

Friday Mar. 27

Morning. P.O. breakfast, room and office. Cloudy and southerly wind. Go down to see Hodgkins who has gone. Then to Wright and Bownes, Hall's and up to office. Work over article on southern shell heapes. P.M. call on Capt. Noyes and Miss Brauman.

Saturday Mar. 28

Morning get invoice bill, up to office. Pay bills and make out vouchers. Fall over accounts with Bradford. Dry cloudy and windy. Yale brings up Academy proceedings. Work over them awhile, send off exchanges. P.M. Stearns comes round.
Sunday, Mar. 29, 74
Morning, windy. Office, church & write letters. P.M. Call at Capt. Hayes & spend the evening.

Monday, Mar. 30
Morning, cloudy. P.O. Breakfast Hodges, Bann & F. B. Fayla. Up to office. See Reverend and set bills. Down town late to Boden's then to Burns & Buck's to pay bills. See Mr. Hall & Mr. R. Baker when I get back to the office. P.M. get Steele's bill and call at Muriel's. Call Stebbins (de) & on Mrs. Rockwell. Leave card for Bryant.

Tuesday, Mar. 31
Morning, breakfast. Call at Fayla's and order oil, up to office & work over accounts. Stays come in. Work at accounts until P.M. 5 o'clock with Baroni & set proof. Evening call on Capt. Chas. Bryant.

Wednesday, April 1
Morning, breakfast, printer's P.O. and up to office. See Reverend. Go down to church with Capt. Bryant and family. Lunch. Return to office and work over accounts. Call at Gallie's shell heaps. Dinner and in evening call on Mr. Jennings.
Thursday April 2, 1874
Morning stop at Bacon's breakfast pay
up rent at P.O. Bank and settle draft
office and write over accounts.
Work over finish article for Avery.
Down to Callaway's. Look over proof.
Dinner in P.M. call with
Bendel at Capt. Herendens, who is out
and after words at the offices.

Friday April 3, 1874
A.M. Printers, P.O. and office.
Down to vessel. Mrs. Rockwell not being at
home. Capt. Johnson & Seaver call in
my absence. Look over natural history
material, arrange papers and back
to office. Pay off Carpenter, Charley,
& Halley. Work over accounts.
Down town, call at Whitley's office & don't
find him, in to printer's and Moore.
P.M. Call on Capt. Moses.

Saturday April 4
Morning, printers, P.O. and breakfast.
up to office shopping at bank. At
1 go down to vessel leaving note for
Mrs. Rockwell. Pay off the men to
April 1. Go round to the Hasell but
find only Mr. Rhoades aboard. Up to
office, down to printers, dinner
and in P.M. Call on Stearns.

Sunday April 5
P.O. Breakfast, office and then to church.
back to office, write letters, down to Hasler, see Capt. Johnson and up to Capt. Moynagh to dinner.

**Monday April 6**

Printers, P.O. get instructions, breakfast, shells, Hall's Hall, office, see Neundeen, look over instructions, and case to Bloomer, with paper on fossil. 
Work at office, go down to printers again, 
P.M. go to concert with Mrs. Tomansee and Miss Moynagh

**Tuesday April 7**

Morning P.O. Breakfast up to Cairns see him. Dr. Cooper. Up to office stopping at bank by the way. late go down to Forsham & Dennings & cigar store, leave MSS at printers then to office, printers & dinner. P.M. call at Bryant, Smiths, Chancellin to see Avery & Brackett and finally in Section. Smith is worse.

**Wednesday April 8**

P.O. Breakfast. Sack's, office, Neundeen comes in, write letters, at 2 P.M. go out to the Giant Powder Works with Dr. Alers. Back to office, get proof. Dinner, said proof to Shearns & call on Mr. Hall.  
Smith is. Thursday April 9
Morning, P.O. Breakfast, up to office, to Neundeen. Later go down town & see
Express people about packages
For Shaw & Leunings BMW. Round
to see beef. Back to office read one
leave card for Mrs. Rockwell.
Down to printers, dinner and in
evening call on Mr. Raymond.

Friday Apr. 10, 1874

Up to office, Turner comes in, go
down to vessel with him and
Mrs. Rockwell. Back to office. Car-
ny has been in about away
to night down to his office but
don't find him, leave word at
Leunings, then up to Stearn's.
Take Turner's job in my hand
into Alaska Co.'s office, then
see Smith get material at
Hodges & Sheeler, leave him &
go to office. Instruments have
come - Read proof, P.M. Call on
Turner at the Occidental, and after
went to on Smith

Saturday Apr. 11

Morning, breakfast, office, send threms
& bottle to vessel by Nummy, with order for
Smith & Edbler. Get clock - Write bill at
Express office. Go down Town, call at
Jacks, Sack, Turners, Cramans, Barnard.
Alakston & pay bill. Sutters, Sacks
Raphael's & back to office. Work over
vouchers - Call at Mrs. Rockwells.
Dinner - P.M. call on Stearns & Turner.
Sunday, April 12/74

Morning, rainy and overcast. P.O.
Breakfast. Office. Don't go to church.
As Stephins is away, wrote letters
and memoranda for Stearns. P.M.
Called Hague, out; Mr. Avery.

Monday, April 13

P.O. breakfast. Room + office. See Thuren- 
deen. Down town, call at shoemakers
Barnard's, Stearns, Fernyau, Murphy
Grant + Cos. Hodges, Bank, Achenar, +
Wright's. Back to office. Write
on accounts. Dinner. P.M. call
on Forbes, Jennings, Nichols.

Tuesday, April 14

Morning. Office. See Thurendeen +
Turner. Down town. Get bill of
oil &c. Sell draft at bank. Back
to office, make out vouchers.
P.M. call on Bryant, Rankin, + Hall

Wednesday, April 15

Morning. Call at P.O. Breakfast. Hodges, Bacon
Stearns, Bank and shoemakers. Up to
office. Thurendeen & Noyes come in.
Work over vouchers. Pay bills at
Murphy, Grant + Co., J. B. Taylor + Co.
& Barnard. Back to office. P.M.
Call on Whitney and Stie.

Thursday, April 16

Morning. Call at Stearns, Bank + up
To office. See Thurendeen & Noyes.
Get books & down to vessel. 
Work over blanks & vouchers - Austin comes in and in P.M. I go up to Mr. Selby's to dinner - Evening call on Stebbins who is out. 

Friday Apr. 17 1874

Morning, P.O. breakfast, office. See Bryant and Whymer - Henwood. Send off vouchers - to pay bills - Work over accounts - Bill. Go down town & pay Jennings' bill. Evening call on Henwood & Stebbins

Saturday Apr. 18

Morning, down to P.O. & breakfast, room, bank & get books drawn 420.00 to meet Henwood in the way. Upto office, give Noyes a check & check off bank &c which proves correct. Bill, go down to vessel which lays off Meigs Wharf, give the men their orders for their advance, clear up in room. Back to office, call on Avery then on Jennings where & dine. Evening back to room and over to Steen's

Sunday Apr. 19

Morning, straighten up in room, down to P.O. Leave order at Tenney's breakfast, room & up to office. Write letters and put things in order for going. Call on Hague, Noyes & Brann.
Monday April 20, 1874
Put things in order in room - down to P.O. Call at Feuentea, Carmans breakfast - get files of papers - call at Navy pay masters office - Room - buy slippers, up to office - have things bright up - write postcards - make up accounts - down to bank - draw balance, see Shippee, Rogers, Brown & back to office, get things in order, close up my room - leave note in regard to mail - drive down to Carmans and Thrice - to the wharf - get things aboard, always matters in my room. About 2 P.M. weigh anchor and stand out to sea bound for Sitka.

Tuesday 21
Wind fresh, weather fine, Read Bulwer's last novel the Parisians.

Wednesday April 22
Day cloudy, wind light. Overhand scientific store, read Webster's '93.

Thursday April 23
Day cloudy with light wind.

Friday April 24
Day overcast, wind light. See an English cruiser, a ram, probably the Repulse. Evening winds freshen a little.

Saturday Apr. 25
Day half cloudy, Wind fresh. See a barkentine at 9 P.M.
Sunday April 26, 1874

Day overcast, wind fresh and fair.
In P.M. squally and an obliqet to
off for & main.

Monday April 27

Fresh breezy all day, weather tolerably
fair with passing clouds. Rainy in P.M.
Under reefs in main & mainsail &
the job all day.

Tuesday April 28

Dead calm, nearly clear, till late in
P.M. Sailing badly. Then a light breeze.

Wednesday April 29

Day overcast, wind fresh, in
P.M. Barometer falling, wind strong
seen an unusually large num-
ber of geese and fow seaf.

Thursday April 30

Blowing hard all day with heavy
sea. Under double reefed main-
and reefed jib & foresails. Moder-
ates late in P.M.

Friday May 1

Weather unsettled, cloudy - occasion-
al wind & rain squall but less
sea. Write up notes.

Saturday May 2

Weather fine but wind gradually dies
away. Calm at night. Make land from
Cape Durness to Edgecumbe about 3 P.M. A light
land breeze about 10 P.M.
Sunday May 3

Mummy very light and off Mr Edgcombe's.
Ike beginning to sing as usual and what we sup-
pose to be with James and Charlie.  I beg a little to start in.
Pass through
between Michael and the B medals.  Jump over the next mark on this English
chart.  There are at least 2 miles
apart.  Enter through the middle
passage—another in the eastern an-
chorage about 2 P.M.  Shortly after
forty they sell it begins to rain — Captain
Phillips.  Inspector Bennie come a-
board.  Late go ashore and meet
Captain Chevalier of C Co.  Mr Whittet who
takes me up to his quarters and intro-
duces Field.  Paddock,  Lt.  Stewart
Lt.  Neill and Lt.  Gulliver (underiqute of coast
martial guard) and introduces me that
travel major.  Drudgey is commanding
the troops now here.  Commanding 2 P.M.
C Co.  1st Artillery.  Mr.  Whittet asks if I
men with Mr.  Brooke and an asst.
surgeon.  Chapman is now collector
but a new one is expected.  Mr.  Bays
by the next steamer due on the 13th.
Mr.  Knight is deputy collector.  There
are about 400 natives, 200 Russians
and 200 civilians here.
The gold diggers are about a mile and
a half from the head of the bay.
Monday, May 4. 1874.

Morning came for the clearing away of the rain and the clouds, particularly in the evening. To pursue very early and from an equal altitude of about one hour. At first little alteration in the shops either before or after observations. It
spoil the set. Observations of altitude of sun from positions on parade ground. Mark sheep of Indian church. Adjust instruments. Fix station by measurements. All attached to sun for time. Very good with scale. Hope for corresponding ones in chalk. Break fast with major Cushing. Search for station mark but it is not to be found. The information given by David is not correct so the cannot fix it exactly. Call on Father Nikolai Krouzin who is in charge here. The bishop is dispersing the church for his own reasons to church. So alarm about noon. Come when again dine with Major Robinson and with Mr. Brocks and the two majors came aboard at P.I.I.

Tuesday May 5

May holds on no idea that we saw not our corresponding altitudes but go ashore about 8. Keeping to get a set to be filled in till write up night. To arrive. Again with O. with theodolite in A. I. I. & P. I. I. I. and magnetic azimuth also. Later complete altitude. Buy the beauskins and a lot of Indian baskets, mats etc. Whitford gives me a number of Indian siren articles. See Fokianin...
walk down to the rock with Paddock. Fill water. Came off at noon & P.M.
See about chronometer. Call on
Ills. Cushing & take her some
apples. P.M. Windy. Came off
Turn up catalogue notes to

Wednesday May 6

Morning cloudy & windy. Latest unclear and still. Light becomes more calm.
Go ashore 
Get magnetic ring
with Apr. 8th. Mill &
P.H. Call in at head quarters and
see Whitford who has a few more
store articles - Buy the same
Go down into the Indian village
see Sitka jack 
Go into his house
Back and go aboard. Eat

a good deal from a bad pun
and do not go ashore again.
but write up journals & etc.
and get notes up to date.

Thursday May 7

Morning cloudy, wind light westerly.
Get out the large boat and go down
to Votkane Rocks and take a
series of angles 
then over to
Koodlahe Rock and take another
set. Back looking for Sealing
Rock but don't find it. Arrive
about 20 minutes past four. P.M.
Sitka Jack comes aboard with me for a job.

Pay Sitka Jack 1.00
Buy of Baker 50

Report to Bannerman via Davidson
with monthly from. Rep. April

Baker
12.15
Fall 19.25-
6.85
26.10
Woodt. 3.50

NW 20.00

13.15
6.00
12.15

Cans: 2.50
Sitka Jack: 75
Baker 1.00 -
Nye 20.00 - 1.25

Parr
75c
50c
25c
75c
Friday May 1, 1874

Morning foggy with light rain squalls at intervals, wind light or more to astore and fix position of the Astronomical & with the Bar & Stabil. Call on Philipps. Walter Nicolai & Whitford. Send Bailey out dredging with the boat. Going aboard came & spent some time cataloguing & arranging curios then pick up the dredgings which occupied my whole time till 9. P.M.

Saturday May 9

Morning foggy, calm, heavy swell, rolling up from the sea. Move the vessel to a more sheltered place to anchor. Spent the day picking over dredgings. P.M. Mrs. Brooks Cushing & Rodney come aboard with their husbands, and stay for an hour or so. Finish dredgings and after supper go abed for a while. Rain at intervals all day.

Sunday May 10

Morning write letters. Father Nicolai comes aboard after lunch so alter course & leave letters, then take a walk in the woods near the Indian River, getting a number of plants and put them in flat. P.M. Write to Major Cushing.

May 9, Letters
Mother
Band
Shears
Nets Notes

Washing
6.00
Wood
3.50
Crum
0.90

Baker Subs. 20.70
18.37
6.35
Monday May 11, 1774

Morning clear & calm. Observations for line with sextant. At 11.30
with anchor and stand out
by the Eastern passage. The Har
itska rock is much further north
and closer in shore than it is
represented. Put to sea beating
out of the bay with a light but
rather steady breeze.

Tuesday May 12

Day clear and fine. Fresh breeze
from the W. BEATING UP THE
coast towards Cross sound. The out
or coast of Chichagoff Pt is fringed
with small long islands. Crillon is
wrongly placed in the Coast Survey
chart. The bearings do not agree well
along the coast—land less rugged
than at Sitka—more low land, well
timbered.

Wednesday May 13

Day clear & fine throughout, wind
very light. BEATING TOWARD LITUYA BAY
all day. P. M. Set some altitudes on
the peaks in the vicinity of eye Cape.
Thursday May 14

Morning and evening clear and fine but very light wind. Sound in 110 fms. off the great glacier. Work up toward the mouth of Lituya Bay as the natives call it. Work over notes P.M. arrive of the mouth of the harbor and the natives make signs to us by shaking an old shirt apparently - Heavy swell and no wind. Breaking on each side of the passage and it would be very imprudent to go in bay off. We catch some codfish. See Mt. St. Elias in the evening. Ducks and hawks flying about. Scenery very grand. Foreground wooded - mountains great mass of rock half hidden by ice, and glaciers on every hand.

Friday May 15

Day somewhat hazy but clear and fine. Morning early very little wind, a little later a bridge from S.W. and we stand in to the narrow anchorage of entrance of Lituya Bay. Rough - just as the tide turns 10 to 25 in pass the head about 1.5 m.
and anchor on the port hand in 5½ fathoms muddy bottom. The water is discolored by the melting ice of the glaciers and is of a turquoise blue. Numerous large pieces of ice from the same source are floating in the bay. The bar across the entrance is a raised spit ten or twelve feet high with numerous rocks at the end - the water on the other side is much more bold. The entrance is very narrow, not more than wide enough for a vessel to enter at a time. The water shoals in the entrance from eleven fathoms to 4½ and again deepens to seven and continues rather irregular between 7 and 5½ well the. There is plenty of water well in shore from the anchorage in the W side - the shores are all wooded. Go ashore early and set up astronomical station on the spit also a signal behind the hills of some natives who are going from Sitka to Yakutat and who are camped here with four canoes and about 25 people young and old. Then we in a wooded point on the other side of the bay. Take angles from here in the previous 2 signals and vertical angles on Fairweather and Crillon. Back to ship, see the colors set and find that the natives tried to come aboard but were not permitted by the male then went off crying. And Mr. Bailey said that to assist Baken if necessary. He gets Salt, rice and Aginwah on Village A, with certain
artificial horizon and Theodolite No. 97. Take some bearings to
the position of anchorage.
party come back about 5 till
having succeeded very well.
take the natives come off
and after a great deal of
coaxing walked the men come
aboard. Give them some
tobacco and biscuit and
after an hour or two they
go off tolerably well satis-
fiably buy a Makutat meal
from them.

Saturday May 16
Morning cloudy. Northerly wind—
quite moderate. The Indians
pack their canoes & leave
much to our delight—to
astore take magnetic azi-
muth and horizontal angles
with the two theodolites and
measure the base line and split
with stadia. About 10 till
the wind shifts so that we cannot
got out but high water. We'll
take the boat and go up the bay
circumnavigate the island and
find my track of monument or ob-
servation. Return at half past
six. Captain gets some good fish.
Sunday May 17

Day dull & cloudy with steady
ly wind and some rain in
P.M. Mend clothes make
out mess hall, write up notes
and skin a few birds.
P.M. Baker goes ashore
with the mate.

Monday May 18

Cloudy wind light S Ely with
rain at intervals. Work, our
computations and positions of
fair weather and Billumes. Set
Mr. Bailey to hand the dinner
in the P.M. a tolerable return
Mr. Baker catches a large hali-
but in P.M. evening wind
variable light clear a little.

Tuesday May 19

Morning cloudy, wind light WSW
to W. But under way about
10 o'clock wind freshening a
little and about a quarter of
eleven stand out for sea pass
in the entrance with our trouble
at the tide had nearly ceased
ebbing - our course out was SSE
3/3 of the way toward the eastern rock
100 ft in our beams in which
we had seven water feet
going in our course N 1/2 W 1/2

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the way from western rock lead
water 4½ fathoms. The end of
the spit should gradually
while the other side is bolded.
there are no low water rocks
off shore east of the coramont.
The extreme point of the spit
curves to the south with rocks
west of
Fairway line in, when off
the entrance make the top
of the easternmost point
low, wooded hill, in the west
shore of harbor here N NW
and keeps on that line until
past the point of the spit
Then bear up this point to
the westward
-from the large rocks off
the spit to the end of the
crest = 2½ large rocks to h w
mark on end of spur. Large
rocks to h w = dist from LR at
Coramont rock divided by 2
or whole dist = 4 x LR to h w.
the two humps + shipshaped
Cape Fairweather make good
land marks for the harbor.
land about entrance to
harbor makes a well-defined
low point see top opp page

May 19 P.

Pt. Fairweather NW
Mt. Fairweather NW ¾ E
Harbor Pt. 8/4 S

inlet Pt n with 0.8 species 2 ¾ S

Crest of Fairweather

P. W
C. Fairweather 28 5 ½ 2

Mount 3 ¾ N

Small group + glacier 3 ½ 3

North Plateau NW 3 ½ N

Pt. J. Dry Bay NW 3 W 3 ½ W

High land north of Phoe W ly 3 ½ N

On Cliffs NW 3 ½ N

Immediate shore woody very little
Low land near glacier

Peaks are Fairweather, small doubt
but near, small single, Cliffen high
single, La Perouse high split -
North more of any height - Hill,
Cliffs - Say 13 ay 18 x nine sea place


The land hence to Cape Fairweather is near the shore low heavily wooded and curves in making a shallow bay with every shore even low hilly land behind - two glaciers most Fairweather medicating to the sea - two mouths of dry Cape and five in filling make nine one in small gorge in height behind Cape Fairweather and then a very large one with a gap in the mountains and by a short strip of oblong times then a land point behind the other side is Dry Bay. Seventeenth gives a very poor idea Yet if to Petros audio much better water discolored ten miles off shore from Cape Fairweather see Herring & Whales.

Coast of Mr Fairweather should bid on each side Evening see St Elias 40 high, Weather clear, wind fresh North west.
Wednesday May 20

Called at 4:40 to look at the Bay we suppose to be Dry Bay of authors. The great glacier comes down covered with ice to near the beach and not extending quite to the sea - a terminal moraine covered with trees and forming a small but 30 ft. high ridge directly behind the beach and is gotten by several gullies from which water issues. Midway of the glacier the beach is formed of boulders & there is only grass on the moraine that forms a bunch of hills a rocky the beach green with vines on the lower slopes. These gradually slope off to the northward with small creeks here & there to the low islands of the Peninsula but no large glaciers appear to come.

Some soundings were made and many notes of bearings after breakfast observations for time - with repeated bearings & notes till noon ours for

May 20 - 6 A.M.

C. Fairweather

6:40 A.M.

Wedge glaciers

E. E.

Fairweather Ill.

Crest

W side glacier

about 3-5 fms. mud

6:30 A.M.

Fairweather Ill.

Cape

Wedge glaciers

sound in 3-5 fms. mud

N. 30 W. 1/2

E. 3-5 W.

3-4 fms. W

3-4 fms. E.

Crest

Fairweather ENE 3/2 E.

Wedge glaciers NE shore 3 miles

M. of Elias

Eastern creek Dry Bay. N 1/2 W

Polar middle mountain N. 1/2 E.

Course N. W. by N. 1/2 W. 20 m.

From healthy ill. 1/2 W. 6 miles.

High land Dry Bay W. S. W 1/2 N. 1/2

W. on the edge mountain W. S. W. 1/2 N. 1/2

W. 1/2 N. 10 1/2 A.M.
3.15 P.M.  
Fair weather, Wly h ¼ n
Calm, ¼ ¼ n
Wedge Plat glacier E, NE
E Buras Rivetdo E NE

Island near Wgy 10, ½ W

1st Glacier near Bluffton

Coast rounds for inner side of these.
3½ do (tack 3º)
Wedge high land

W by Wh ¼ n
W by Wh ¼ n

4th Glacier

3½ Wh ½ W

N.W. 1½ mile 19 kms ½ in 10137

On entering middle water 12½ fm
Last glacier NW by W ½ W 2½ =
N We 1½ mile 19 kms ½ in 10137

Conside SW ½ W ½ SW

11.21 Tack NW ¼ W lane opening,
Wend We to the left 2½ miles
1st We by W ½ W, ½ mile NE, and We by W ½ W

Ely We by W, 1½ N, 8140 ½, rain
Weather NE.

Need 1 slope W ½ SW by N inside We ½ W

12:40 - Tack ½ W by W ½ W

3½ kms, Ely We by W, swand ½ E

By N, We by W, Bk N, UNW Wend main
Wetake ½ side Dry Bay NE by N
Wend glacier Dry Bay NE
Log 9 miles at 3½ 12 - about noon.

May 20
A.M.

104 W.

Alt on Ely from position determined at last glance:
0°, 54', 10:
54', 20
54', 20 +
57', 10 +
54', 50
54', 50
54', 50
55', 10
57', 10
57', 40 +
Wed May 20

Latitude. Stand off 140 to examine shore, which agrees much better with Zeekoewen than Fedukof. Continue bearings & observations until 8 P.M.

Wind light & very variable all day. Early & all clear later heavy - weather quite warm in morning 60° in shade.

Thursday May 21

Morning wet and rainy, wind northwest and thick fog

Pass ocean Cape which is a gravel bluff about 40 ft high, with rocks off it & 1/2 W end of 4/16 of a mile West of this headland and of Cape Phillips and NW of the latter the water is shoal per quite a distance and rocks for half a mile up in heavy weather. At 4:15 P.M. anchor in Port Mulgrave, the little schooner Nellie Ed., of Phillips, Capt. Phillips and two mates. The crew is loaing here trading. We have not done much - the natives crowd around and we told Phaty & his two sons come aboard but keep the reef away. Later heavy rain squalls.

May 21, 12:55 P.M.

Ocean Cape N 1/4 W 2 miles edges low land & Bay N.

2 miles W of ocean Cape 13 p.m.

2 miles W of ocean Cape 13 p.m.
Friday, May 22


Sohna Louis Bournes coal in 1868. Go ashore to take thermometer observations at low water on the reefs. Baker + Noyes get magnetic azimuth, poor time with Keit 0.72 sextant. Tolerable latitude, 80'.

About 1 P.M. it commences to rain and later in P.M. it rains more steadily. Work over chart of map in Norfolk Sound - finish it.

Saturday, May 23

Morning raining hard with 58 men. Work over plan of harbor and projection for exact line. Also review computations of magnetics. About 2 P.M. wind changes and it clears away at five. Will hardly a cloud in the sky. Baker + Noyes go ashore and get vert. circles 8 P.M. for time. Sextant linear obs. for time. Theodolite azimuth, lat. verticals on Mt. Elias. Fair weather. Ye with vert. 0.8 horizontal ripples on Mt. 16.

[Chart drawing of two boats]

Baran S. Reef

Old stump on beach. 55° W. 1848

Bottom sand. 56° W. 14 FT. 154.8 V. 171.8

L.W. 43.4 feet. 51.5 W. 300.4 E.

Wax with reef. (S 74° 3') 29.5 V. 1957

S ft., upper reef. 1.21 W. 200.4

S.W. ft. 2.3 W. 17.3 L.

N.W. ft. 2.6 W. 6.2 B.

N.E. 1.69 E. 83 B.

S.W. 56.5 W. 79 B.

Edge 2.2 E. 54 B.

S & P. 58.5 E. 96 B.

Beach L.W. spik. opp. 49 W. 126.7 B.

1 ft. water at L.W. 6 S. 65 E. 54 B.
Sunday May 24.

Morning light clouds - hazy, but sun well out. The Scotia Nellie Edes leaves early in the AM. Capt. Phillips thinks he would have had trouble if we had not come in the whaleboat taken by Capt. Herendeen's deserter. The natives told Capt. Phillips there were six men were killed here. Baker hopes to ask for astronomical work and get equal constant altitudes of sun for time. H.L. and E.H. Westwood & 6 circumpedians for latitude. Astronomical azimuth by theodolite no. 77 at low water go ashore on the reef. Find anchor under current. Siphonaria thermometer was little use. Also a donkey which won't walk. Knocks off chimney. Send up a siphonaria up in dawn without any success. Dining P.O. all evening buy quite a number of ethnological articles - Paddo went or was eloped. Wind light all day.
Sunday May 24.

Morning light clouds & hazy but sun well out. The Sult. Nellie Edes leaves early in N.W. Capt Phillips thinks he would have had trouble if we had not come in. The whale boat taken by Capt. Berendson's discoverers is hidden in the woods around the native's till Capt Phillips took that the six men were killed here. Baker & Hughes go ashore for astronomical work and get equal constant altitudes of sun for time A.M. & P.M. Vertical & circumferential for latitude. Astronomical azimuth by theodolite no. 97.

At low water go ashore on the reef. Find echinoderm corals & Siphonaria, the latter was little else. Also a few all over bottom. White knob or echinoderm. Pachydiscus Siphonaria eye in different and yellow species. Scenery P. M. All evening buy quite a number of ethnological articles. Puffin most of less cloud. Winds light all day.
Monday, May 25, 1574


Taking telemetric observations for chart line, with circumambient altitudes with vertical 0, for latitude. Pull from the harbor and approaches, when we passed Mr. Bailey, rigging with the returns and very day. After supper trade for curries. Light till ten o'clock.

Tuesday, May 26

Morning cloudy, without light northerly, at 7 will weigh anchor and stand out of Port Melville with a very light wind. Set 22 pm's close in under Cape Figgins, for a good deal of ice coming out by disembarkment Bay.

The table land on the NW side of Bering Bay is principally ice, from lakes, and the present and seems to stop short near the bases of the land. The table land has a good deal of snow on it with a few trees here and there in small strips near

8.15-

Mr. Evans came N W 1/4 N

At 9.4 East

Ward

Wt. Hallweather 2 N 2 1/2 E
Wednesday May 27

Morning clear with some fog P.U. quite clear Wind light or none Work over pallet of Portmouth ore P.U. about 6 clock in lat and low wind and get no bottom through in the wake of the so called Pompeona Roberts 1 tank but to keep 10 gun within 2 miles 10 gun within 6 miles which keeps W by W by compass at some sharp angles and bear on it for length - later a little gun comes up

Thursday May 28

Cloudy, grey, partly sunny with a good deal of cloud and a heavy swell Work over sketch of Taffy Bay About 9 P.M. raise Middleton Island which is dry and very warm we rest

Friday May 29

Cloudy, rainy wind light N E Beating up to Por Elches A native comes off to pilot us in but is of very little use About 8 P.M. we anchor in the small harbor least water forty in 2 3/4 fathoms in the narrow entrance more water ranging from 4 1/2 to 7 fathoms Anchi a ill - Remaining today comes off to see us He is the agent of M R C here and was for a long time 3 years at a station on the Nile river in Egypt's Nile. There are five settlements on the Bay. The largest is at the Chigua where shepser has a post. The natives are obstinate and well disposed. Those here are Chis-ignized many of the others weather they buy the deals. The Copper River Indians come here to
Trade, also Indians called Kikent
(3) From a village one day's travel beyond the mouth of the Atana.
The Atana's get their Copper from tribes in the interior. The shore
between Atana and the main
is mostly clay at low water, the
bar part dry & part always above
water even at high tide.

The natives hunt otter & other
shrews & other small animals
in the small streams. The natives
make catgrass pipes of their
only kind - use blackberries of seal
skin, very hard, bringing red
berries & other small fruits. They make no
jewelry work & live on dry salmon
which are poor, arrive in July & August. There are claims in
the harbor. God of thunder &
no habitant, a few rock cod
Coldest last winter +12°. Higher
in May - about 70°. Others
Catgrass & shrews. The last hill
has been hit since last June. Use
the Russian language in trading.

The Dakota natives came up once
a year - Sitala Chief. Shena last
year. The local nations are much
afraid of them - gave me some de-
tails of Knik River. Cuts through
a chain of Mts. not high. Behind
this country very level with large
lakes. No inhabitants on upper
Knik & Touchito River. Land
about them low & nothing. Rh
in Touchito 30 miles above the last
reached in birchmas - at Knik
river about twenty miles -

The Kenan Indians called Kuyah-
Khotana. Pirok, used on the
rivers by both these & Copper River
natives but only canoes due south for
traveling in. Copper River natives
said to burn their heads. About the
Islet they bury them - Pasts at
P.V. Graham, Kaskin & Touchito
and Knik Rivers & Cool Point.
& H. K & Co. Copper River Indians
call themselves Aktina-
P. M. rainy & foggy - wind light.
Saturday May 30.
Morning still rainy, cloudy, fresh NE wind - work over plants in W. H. All grafters claims but the low water is not low enough to get away - send Bill Bailey dredging but the returns are small.

Sunday May 31.
Day with succession of rain squalls and clear intervals every clear & calm Well N. to SW irregular light - observations for time, latitude, magnetic & solar azimuth. Go ashore & up to the town, see the Copper River Indians who came last night. They are typical Tsimshian. Call themselves Attuena as I conjectured. The Ugal'entzi are a branch of the Chugachisnu' eat & call themselves Cheishbokamut. Their language is slightly altered from the original Chugach. Get a piece of native copper from the Chik-tehka. Many of their words are the same as the Tanana taper Indians. Return to vessel. Every 5 or 6 hours a man goes up in the skiff, it is a magic. Came aboard to look at the vessel.
Monday June 1, 1874

Morning clear & later light cloud. 

Moon large but not visible. 

Marine irregular wind. Observations for true latitude, magnetic latitude and solar azimuth. About 9 P.M. try to get out of the harbor but the wind dies away and comes out ahead and we have to anchor again. Send Mr. Bailey out after ship & this time to strike the right spot. Work over vouchers & cash $55.00 earned 73.50 currency.

Tuesday June 2

Start in full wind & are obliged to anchor for want of wind. Hoist an 8 ½ foot sail just astern of the last 9d on the planking head going in - 2½ fathoms inside of it + close to it. Later start 2D with light southerly wind. 

Day cloudy - Work over dry goods all day.

Wednesday June 3

Cloudy with some sun in AM. 

Wind light NE blowing all day. 

Work over vouchers & about noon raise Middleton 9d which is quite large, but 9 men go on top with the 45 points & shrouds for some distance north. 

Shrunken cabbage leaf

47 in long

24 in wide

White 4 ½ in

perpendicular cliff - 50 ft high of clay rock containing pebbles & stones - covered with a deep layer of sand and several feet of turf. The tide sets strongly & runs this off. 

Rising tide from W to N W to W side; heavy bed of kelp occupies both sides of 1½ fathoms hard bottom, outside the self & a mile to the west of the shore 250 fathoms or 1/2 mile from the mile on this line do not exceed 18 fathoms. See a good deal of driftwood - float. 

Bashore observations for tide with constant - get a great many gulls & flocks of eggs, some plants. Two seal-
The seal are small hair seal
found up here in great numbers
the Sch. Northwestern once (in 1870)
spent some time sealing here off.

The shore where we landed is
tolerable low, with sand beach
see a number of killers after the
deal. Come up off rather in
different observations interfered
with by wind - at 6:30.

Thursday 6th

Morning clear. fine wind
rather fresh and more to the
northward. Observations for
time. Later, swell begins to heaven
up and the party comes in boat
get under way at 11:30 and
beginning in a fine West current
got the latitude a little later.
The island about the locality
of the station is less than a
mile wide - near the southern
end perhaps twice as wide.
The south end is the highest
with abrupt shore, a narrow
strip of low land in the edges
the whole becoming more
low to the north end which is
near the sea level. The 5-
has some knobs on it the
edges of the cliff are pretty.

At anchorage

<table>
<thead>
<tr>
<th>Action</th>
<th>Date</th>
<th>Distance</th>
<th>Ex. Ex.</th>
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<tbody>
<tr>
<td>E 1/4 mile</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
<tr>
<td>End of breakers</td>
<td>9-25</td>
<td>E 1/4 N</td>
<td>E 1/2</td>
</tr>
<tr>
<td>West end E</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
<tr>
<td>End of point</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
<tr>
<td>Cape Clear</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
<tr>
<td>NE and Montague NE NW</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
<tr>
<td>W and Nushkin NE W</td>
<td>9-25</td>
<td>E 1/2</td>
<td>E 1/2</td>
</tr>
</tbody>
</table>

To W 6 miles

12 ml.

W End E - NE by E
S

S - reef E Ly S/S
Course 6 Why W - 6 miles

even at the top there
is a reef, breaking in
patches entirely -
the east side with a
heavy swell on the
breakers were a mile
and a half from the
and the water inside
was quite a smooth glass as
such on the beach - the reef ex-
tends a long distance of the
south end but only at a short
distance from the north end
we saw no breakers in rock
in the position assigned on the chart to the Feather Rock. After passing out of the lee of the island a very leeway lumpy sea came rolling up from the SE with cutdecks of current, but little wind. Evening cloudy. Passed several tide rips in the night.

**Friday June 5**


**Saturday June 6**

Morning early, cloudy with rain, at 10 a.m. begins to clear off and my room is quite clean. Go ashore in the still with the mail and see Sheenan & Sol. Shepperd get the promise of a few ethno logical things from them. See the drunken old drunken Swedish who has sold the book I was in search of to Pinout for a little

form - so aboard with Chantauff & pump him for hydrographical items. Plll. observations for time to rate chronometers and astronomical azimuth on flagstaff. If S.S. J. D. Williams M. Bailey dries some very good things. Satur. Cpt. Henderson mistake to work up town. I remain about pick over dredging mounds.

**Sunday June 7**

Morning clean at first in for equal altitudes A1 & magnetic azimuth. Hewitt Shepperd and Sheenan lake come aboard to lunch. Plll. Jve position of station 60 up to town. Get some ethno logical things. Examine fort buildings with Sheenan sign certificate of their condition that there is no portable property to be transferred. Yet kind plenty of mail to. Go aboard after supper. Go after a crow & get 2 gyro 0. The remains of a third ship to pick after federal inspection at temps. Abroad.
Monday June 8

Morning cloudy fresh SE wind about 8. W stand out of
Rialf and steer to the North
ward. Later wind shifts to NE
and we go along at 2 knots
and look over chimes. Notes play cards in the hall

Tuesday June 8

More less cloudy and foggy all
day with some rain. Wind
light with an old SE swell
Over haul plants

Wednesday June 9

Early still cloudy with rain
off the SW point of Chirripo
20 miles. Wind very light
At noon get altitudes for deter-
mining the latitude. Many obser-
ations on account of light
wind and strong head tide owing to
SW. At 1 P.M. heave up and
stand into the anchorage and
at 2.30 anchor in 6½ fms sand
off the village. Go ashore to get
observations for time and azimuth
and various bearings to determine
position of reefs & shape of island
Village detected in rain. See
dolphins, gannets, gulls, ravens, etc.

Valleys

 settles NW of valley
W. NE 1/2 E 1/2 miles
S.W. E N.E 1/2 E
Pt. N.W. E by E
settlement N NW W N W
N.E. NW. N W + W
Single R N.W. N

Smaller R N.W. 1/4 N
Many mammals (S. Carse) say. recipes, nothing else alive. Weather tolerable. Water shoals gradually from 14° 3 between the reefs. To the S. C. Islands from the bluff. P. M. for on board again. P. M. more or less cloudy. Thursday June 11.

Morning early foggy - late clears away, with broken clouds. P. M. nearly clear, evening cloudy again. Wind light all day S. W.

Morning obs. for time & magnetic azimuth, noon obs. for latitude & shore line to 18° S. E. P. M, equal altitudes per time. Send Mr. Bailey, dredging it got very little, among others a Delta like my 84 miles S. W. Blind, white, larger end with smaller apex, the stem at about the same color. About 6 p. M. up anchor. Stand out of the anchorage, see me dog very wild. Water red, rocks & shoals id in.
SUNDAY JUNE 12

Morning with light clouds till nearly clear - Wind light all day - at 8:30 A.M. key read 2 3/4 miles at 9:46 A.M. 5 miles at noon. 9 3/4 miles - Course at 8:30 W by N by compass - at 9:46 change to N by W by West until noon.

8:30 A.M. Observing for time to fix position for nearising on islands - at this time -

SW islet here

Islet off next Island W by N 1/2 N
E end last Island NNW W
E end next Island WNW W

Islet in Pass

E end next Island rocks off MW island NW 3/4 W

End of Chirikoff 5 1/4 E

Chirikoff subtended an angle of 12° 24' at the beginning 12° 09'

Sun in middle between 26° 36'

Light 1st Rock

1st mouth of land 20° 30'

End at 9 A.M. 11° 09'

At noon observations for latitude.

End Rock 1 1/2 S

Wend Smith 85º 5

N. and S. 100º 45' E by E.

N. and Chirikoff 2 1/4 E

Northeast Island Aghiyuk

South island S E of 11 S.

Next S.

One in Pass

South Island Ahlikitekiteq

Outer Island

Inner large

NW Island

Estojo names -

Natives left Chirikoff in 1870

Schommer came there in 1872.

N. and Ahkiwik

Keelikuk

Sukhlik

Keelikuk

Chirikoff -

End

Rock a fraction of this

Wend Aghiyuk

End.

End in low land

Wend Chirikoff visable E over.
Ave continued on our course, the following bearings indicate when two points were on with one another:

\[ g + e \quad \text{WNY N \frac{1}{2} N} \]
\[ a + b \quad \text{SW N \frac{1}{2} W} \]
\[ f + i \quad \text{WNW} \]
\[ h + e \quad \text{WNY} \]
\[ \text{Rock + d} \quad \text{SW E} \]
\[ \text{Rock + b} \quad \text{Sky W \frac{1}{2} W} \]
\[ j + l \quad \text{S N} \]
\[ \text{f + d} \quad \text{S \frac{1}{2} W} \]
\[ \text{f + b} \quad \text{S \frac{3}{4} W} \]

Wend Keeleltagikh + f

Sukchlik + d

W = Keeleltagikh + l

Choween + Katelkhuk upon SW NW WNW.

Enter the strait between the islands (which are composed of granite in vertical beds on top) and the weather being fine, anchored in 12 fms near the strait between Chowelik + Keeleltagikh. The soundings range from 12 to 10. The end of Sukchlik to 10. Inside is bold water, precipitous rocky shores, no hidden dangers. There is a bay on the SW side of Choween.

which the natives say are good good anchorage in easterly and northerly winds. You are seal sealish. In many birds - no sea otter or other pelt. The party were left here in March by the Anvik and if he does not take them off we will go to Chinleff 23 June. They are hunting sealing and will find salmon at Chinleff in August. No fish of very few lure - Tides ran up to the westward and fall to the eastward in the strait. About seven feet, there are no obstructions, hardly any landing places.

**Saturday June 13**

Morning clear + light SW wind. Complete equal altitude of last night. Go ashore & climb a mountain on island. Island. Take ascent of and fly kapers on various islands. Run a base line about a mile long close to the vicinity of the astronomical station and lay take another series.
Circumneridian observations for latitude and observations for astronomical and magnetic azimuths, to anchor and fish between them over to Chichagof Island and take another set of angular bearings, back to vessels and which anchor about half past nine with a moderate breeze and stand over toward Chichagof Bay. The tide was low last night, at 4 A.M. and today about 4 A.M. High water comes about 10 A.M. Hence as the new moon enters the meridian near 5 P.M. the establishment must be hoisted. Got some bedding on Sunday, June 14.

Four light winds in W.W. Set time of bearings early in W.W. Knock about until about noon when we set latitude, and then have light + puffy winds till late in P.M. Cannot get into the SW bay at the head of Chichagof and therefore anchor under the head east of it.

N.W. N. Aghik & Aghikuk open [N.W. N. by W.] 2 miles
Wend Aghikuk N.W. by W. 1/2
Wend Aghikuk
N.W. N. by W. 2 miles
Wend Aghikuk
N.W. by W. 2 miles

the bay comes off & promise to bring aboard game soonest.
As the morning - Pull bull + cloudy. Fresh South +
SW wind in squall.

Mongay June 15
Blowing a gale outside.
Rain very heavy all day. Worked
sketches of Middleton & Chichagof
islands and made a get a bear.

a big bear meat from Mr.
Festenberg who with a party +
his a Janitor the Nikolsky also
hunting, living here. Kill took
never been given off & seas + dogs
many deer that fail to kill one
The high light turns in for join
6 miles. The entrance of 4 mile wide only.

Tuesday, June 16
Cloudy wind light. Run the
Mainline of the anchorage
Written by Captain W. H. H. B.  
June 17, 1847

**From under High Bluff**

**Edge middle Penna.** 93° 0.180
**Edge Fulkorn** 12° 18' 45" 192 17.54
**W. Bay D** 30° 53' 96.14 54
**S.** 40° 50' 73'.22.1
**Little D** 44° 25' 74° 27'.4 25
**Astr. D** 45° 35' 77'.7 26

**horizontal angles &c. for getting the latitude by an assumed position, curves by rain.**

Send Mr. Bailey and dredge, but he does not get much. At 11 it still sounds the air change with Capt. Herndon.

**Tuesday June 20**

**Day cloudy, raining.** Work over magnetics & drafts of stations. Clouds off in the evening and we go ashore and get latitude by poluies & time by compass and attempt azimuths, but the day was so great that we give that up. Return about 11 AM.

**Sunday June 21**

**Rainy all day.** Blowing a SE.

**W.**

**Nov. 26, 1847.**

**Wind 180°.**
Monday June 22, 74
Rains and snow had all day. Move the vessel in a little closer until the shelter of the bluff with some notes, computations and map.

Tuesday June 23
Cloudy and foggy with a little rain. Take the boat and go up to the N.W. and take a series of observations to sketch the shore line return by 3 P.M. After supper having cleared a little get everything ready and sail fairly square to another voyage on the outside of the bar last night foggy at night.

Wednesday June 24
Cloudy with fresh SW wind and some fog. Take some bearings in the Bay and Stand off shore for the Lighthouse Rocks. Get some bearings and altitudes for time to fit their position. Run back down about 6 P.M. There are 2 small bays large trending SW & NW covered with sea lions. Stand away from them for pega as the weather is boisterous.

Thursday June 25
Reach Mitrophania 26 in SW. Weather unsettled, wind fresh and E. We do not find any deep indentation in the land such as is indicated on the chart. The two small islands near Mitrophania & Little A rock awash is on with the hump and the 9th end of Mitrophania is S E by S. We sail off of land water indicating another rock near mid-channel with Harmon Pt hearing W ½ S but could not
Monday April 29

Morning. Wind W. Not much weather. A.M. set up on the hill to get azimuths.

Thursday May 2


Sunday June 26


Friday June 26

Cloudy. A.M. set up on the hill to get azimuths. Wind light. Get a good lot of the range Cypr. pedestals. Back to N.W. Pull azimuth observations interrupted by fog. Evening clear. A.M. work on azimuths interrupted by clouds again. May 27

Saturday May 27

Wednesday July 1, 1874 —

Morning cloudy. Foggy. Wind moderate, heat debulks into North West Harbor, anchoring in four fathoms about nine a.m. 12 to ashore and fix up astronomical clock and get all necessary stuff with sextant for fire and latitude later. A few sets astronomical azimuth and magnetic azimuth. Set up five signals. The harbor is a narrow strait between 2 triangular islands. Little room. There are no good landing places. 8 a.m. Wind blows quite fresh and work crews down in sharp squalls. Rain. Foggy.

Thursday July 2 —

Rains 1/2 hours hard in squalls all day with very thick fog. Work over month reports & sketches. Still water.

Friday July 3 —

Blows very hard from the westward all day. Cannot land. Work on sketches 1/2. Late in P.M. Modicates and Baker goes ashore and gets some time observations. Day nearly clear.

Saturday July 4 —

Half clear. Work fresh but not as strong as yesterday. Complete altitudes of last night. Get food.

agimuth, and latitude observations.

Go onto the high ridge 8 of the anchor age. and fixing position by 3 pt. problem take several series of angles & bearings for short line. Return about 3 P.M. Send Baker & Jones to Hill to finish up the observations. From that point 1 they got back about 4 1/2 P.M.

Sunday July 5 —

Morning half cloudy and more moderate but still strong and squally. Work then. Complete the 4th bearing that you may set in. Return about 3 P.M. After supper Baker & Jones finish the magnetic

Monday July 6 —

Do a little sounding. Wind very fresh NW. Cloudy. Go out by the east strait. Stand up the E side of By Konishi. Put in Konishi Capt. H. kills a lot of the smallQuadrat and in P.M.

Tuesday July 7 —

Clean wind NW strong. Go up on the ridge west of the anchor age & get a series of angles & bearings for Charting. Return.
about 1 P.M. - about 7 P.M. we left anchor and stand through little Kanimshu Strait and S.W. through the islands in our way to Siniath

Wednesday July 1
Wind moderate, half cloudy - land in sight all day. P.M. get bearings fixing our position and on the Siniath reef showing that the Kings. Ned chart is S48 is correct.

Thursday July 2
Wind light, run up by the west side of Siniath and continue on bearings which all agree with the Russian chart of 1848. Cloudy & foggy all day.

Friday July 3
Cloudy & Foggy nearly all day

Saturday July 4
A little wind at early, cool with 100 F 1. NM. work through umatak pass with the tide of then falls calm and we anchor with the tide in 25 FSW water. Rolling like the devil all the P.M. & snowing - Raining & Foggy.

Sunday July 12
Foggy all day, until moderate

Wednesday July 1
Run into Ahtna bay in the early evening

Thursday July 1
Morning early foggy, light up and we find ourselves in the entrance of Constantine Bay

Note the Fine Harbor anchorage and anchor inside the reef about 9 A.M. - Take the mail ashore and find that the priest and neenning are awary, a Col. Words of Indiana is appointed deputy collector. Water is waiting for a chance to go down. Elliott & Smit, may and U.S. N. have gone to St. Paul with the Reliance. The Alexandra is expected every day from here. Cunn is due in ten or fifteen days. Bean has gone to St. Michael's for the A & Co.

Frances Palmer 47 days on her voyage this spring. A new lodging house and five small native houses - new fences - boardwalk from the store to the wharf - and various other improvements are
Thursday July 16

Finish accounts and letters. Go ashore for a short time. Send collections ashore in the storeship. P.M. go up with Wagner and try and find a reported rock in Dutch Harbor without success. Ashore in evening. Any cloudy foogy. High squalls in P.M. Set up day and wind light.

Friday July 17


Saturday July 18

Morning got corresponding altitudes for time. Finish poiling water. Set up Keystone & Loomtoy signals on the tripod plane painting the lattice white and having no cloth. P.M. go ashore and call on Col. Wood.

Sunday July 19

Cloudy. Light wind. First SE then m E. S. W. with fog. The sch. Sutton with Nenaj on board comes in from 1st head R. Bristol Bay. Finish up letters and go ashore. Off to dinner. Mr. Thomas & Mr. Sutton about to lunch. He tells me...
Monday July 20

Mony cloudy winds moderate
at 7 P.M. stand out of the
small harbor and put to sea
for St. Paul Island. Upon fresh-
ens and we are obliged to take
in till and rest - P. M. wind
winds moderate force

Tuesday July 21

Cloudy + foggy, dead calm in
at 7 P.M. cloudy light wind
from ESE in evening

Wednesday July 22

Foggy + cloudy in all. about
at 7 P.M. pass the west end of
George Island about noon

in Southwest Bay St. Paul Island.
At anchor after lunch which
lent Mr. Willett of the cutter for sake
of with us. The Reliance is help
at point and old MacArthur and
Elliott Maynard, Leser, Capt. By-
and family and Capt. Baker of
the cutter. Get some at 9 O'clock
at 7 P.M. get Capt. Baker and
Dr. Hache off to supper - Rate
their chronology for them. They
have finished the sealing. Mr.
the hunters. Mr. Adams
are gone down. Elliott + Maynard
had made a very tolerable map.
with nothing but a compass and sextant but report a great deal of local variation.

Thursday July 23

Ashore early in 4 A.M. Set 8 pairs of equal altitudes for time when it shuts up with a thick fog which lasts all day. Wind fresh and squally. Ashore all day. Dine with Capt. Byron and Dr. Franklin. In the afternoon go down to the reef motor and get a good sight of the seals. Come off about 5 P.M. About seven wind begins to clean up a little.

Friday July 24


Saturday July 25

Morning cloudy. Start with light westerly wind for the W end of the island but remains quite calm. Some very thick fog. The mountains are in the fog, and the whole it appears so unfavorable that I turn back, go to the island, take some telemeter observations and bearings. Set theodolite and wait for the island to come out of the fog as I wish to get an azimuth on St. George Lake in the P.M. It comes out and we get an azimuth as well as three good sets of astronomic azimuth. Mr. Bailey goes a ducking and gets very little except some queer fish and shrimps. Clouds up again toward night very thick.

Sunday July 26

Morning cloudy, wind light. Go ashore and walk over to the lake shore with Capt. Byron. Get a few things with having. About noon get a few equal altitudes for time and local meridian altitude for 67° 07' 14'. Spend the P.M. ashore and come about 6 p.m. to dinner, spending the rest of the night good by. Leave an order with Capt. Byron for a sheep's gate and 2100 m. coin to pay for it - 5 a.m. cloudy, nearly calm. 24 p.m. hot in Walrus. St. Paul. Reel in advertisement 16. herself. Sea hare. P.M. get all S.W. at 24 mile. 18 p.m. close to Walrus. 67° 07' 14'.
Monday, July 27, 74

Morning cloudy, wind west by north with an old heavy SW swell. Get underway about 9:30 and stand to the westward around the island taking bearings and ranges as we go. Five miles off SW off in the line of the reef, get 12 fms. on sandy bottom, a mile west of the latter place get no bottom with 20 fms. North 45° East point a mile and a half get 47 fms. Pass close to Walnut #4 and see many whales at times. In early afternoon see a large school of 300 or more of a large species standing to the northward. See the cutters boat returning when it is N.E. off and the cutters at anchor off Reef #1 in the E. side after finishing our bearings stand over toward Nunivak. Wind much fresher in evening with a little rain.

Tuesday, July 28

Foggy raining 1 strong NE wind all day. Running for Nunivak. 30 to toward night as we must be near the island shorten sail and stand in 17 fms. Weather very foggy. Work on sketch of St. Paul 00 and put up plants during day.

Wednesday, July 29

Cloudy & foggy, wind South-East by north and we find ourselves to the north of the west point of Nunivak. Run in behind Cape Etochin and come to an anchor in a small light behind it - light 100 miles to the east, ten single lightkeepers came off and we drive quite a brisk trade for grums, lance & co. Evening cloudy. Work most of the day on my chart of St. Paul.

Thursday, July 30

Morning cloudy, wind more moderate, 30 fms. and get some water and one set of determinations of wind and magnetic azimuth. Advertisement over the beach of to get a variety of goods things. Mr. Bailey does pretty well dressing. Buy a lot of ethnological things from the natives - evening wind SE again thick and cloudy.

Friday, July 31

Day cloudy. Tended harpoon. Fish lights up a little - get returns of latitude and observations and some from the natives. Trade with the natives for animals - evening blows quite hard from the S.S.
Saturday Aug 1
Morning blowing fresh from SW.
Cloudy. Pack clean shells.
After lunch go ashore I do some
telephone work. Get two skulls.
Buy a few moccasins. Later go
aboard I send some men ashore who
bring off nine very ancient stones.
ground skulls, beside breaking into
an eskin cache and cutting open
their real oil bags in the idea that
the cache was a grave.

Sunday Aug 2, 74
Sail from Cape Elbow, for Hagen
mister 90. Cloudy. Wind light.
Work all day packing and labelling
ethnological collection.

Monday Aug 3
Nearly calm all day. Cloudy.
Foggy. Work over drafting catch a
number of cod in P. L. Weaving dead
calm. 72.4 pm. Time and latitude 59° Cap.

Tuesday Aug 4
Calm. Foggy and cloudy all day.
Drafting at noon at Cape Elbow.
Catch a great many fish in P. L.

Wednesday 5
Day half clear. Moderate 15/2 sm.

Thursday Aug 6, 74
Morning half clear. Wind light. En-
try the chart between Hagenmister 90
and the main and about noon
anake 120° from the NE of the main split
in 8 pm. Go ashore for time observ-
ations but it becomes cloudy and
we get none. Evening cloudy. Get
a bit of crabs but the beaches are
very hilly. the island is about 2000
feet high, current falls to the SW
and meets from the east 2 knots.

Friday Aug 7
Morning, strong SSW and little
clouds. Later clear. Pulls
winds a little more moderate.
Set in the SW, set the south.

Saturday Aug 8
Morning clear, and nearly calm.
Set for time and latitude and compass
magnetic and magnetic. Pull cloudy
.

Thursday Aug 6, 74
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and meets from the east 2 knots.
Friday Aug 9

Early in the morn. N wind clear got underway and made out to get out of the strait & in the E side of the island. The falls dear head on about 1/2 of the day. Clean and fine. Went at Dry Bay Chart.

Monday Aug 10

Day half cloudy. Fair W. SW wind - Work the wide chart of the fair weather grounds most of the day.

Tuesday Aug 11

Day fine and clear, wind light SSW. Beating all day along the coast from and North Bay, in 12-10 fms about 3 miles off the coast. At 11 Am Cape San Augustin Bears 20° 3 miles, Lat 46° 45'. At 11 1/2 a.m. anchor in seven fms off the mouth of Port Moller. See 2 volcanoes and 8,000 ft. N E. on Pavloff with two peaks 30,000 ft. Also several glaciers and two remarkable fango near 20th volcano. C. Bein win a low gray sail shiff. C. kept a low and gentle breeze in constant pce. Past N E of Moller. White and bank of fungs. Day 25 to 40 fms high. Somewhat in trouble diminished very slowly from ten to seven p.m.

Wednesday Aug 12

Early still clear fine. Light SE wind, later calm. Late found NE. N wind. Beet into port. Moller about 2 p.m. "Theodore" in the large boat. Sounded over the harbor. See many reindeer - sail, birds on a bear. Tide goes out & we have to drag the big boat over several miles of flats.

Thursday Aug 13

Early still very calm. Sailer clears away. Capt. Nicholssen goes ashore & kills two deer. After working in ship on chart, go ashore & take angler & bearings from small bluff. Should have had a shot at four deer but they scared them away. Find some hot springs and time fossils seemingly Laminic or cretaceous. Start back about 520 P.M. Set sail against wind & tide until past dark. Before getting on board - evening clear ride. Pitched up in it. At 2:40 after about 1 o'clock. Pitch and fall at least six feet.
Friday, Aug 14, 74.


Saturday, Aug 15.

Morning foggy. Light NW wind. Go ashore & explore for fossils. Get in the shell heaps & getty a number of things. Noyes & Baker hill to decl apiece. I came off about 3 P.M. & put the others out about about seven A.M. throughout.

Monday, Aug 17.

Morning somewhat foggy. Get under way at 6 A.M. with a light breeze and calm sea, keep going all day as steady as a church. Work on packing fossils. Finish chart of St. Eliaz and vicinity. Most of day clear & moderate but steady wind.

Tuesday, Aug 18.

Sandy foggy all day. Work over chemical matters. Wind fresh & steady. Vessel moving steadily in her course.

Wednesday, Aug 19.

Sense foggy all day. Wind moderate NE standing off, and in for it to light up. Work on finishing off sketches.

Thursday, Aug 20.

Captain N. day wind light, N. & W. Fresh. Off P.M. About 2 P.M. fog clears up & we push ourselves to the SW of St. George. Wind shifting NW. The N.E. we have to treat up.

Friday, Aug 21.

Day clear with fresh northerly wind. Bad Broken sea. Heading all day toward St. George's Island. P.M. see a school under the land.
Saturday August 22nd 1874
A strong squally SW WSW, now getting into South Bay and anchor - The schooner Cygnet Capt. Kimberly, a celebrated fish hunter is also at anchor there - send the boat in to take observations and they get tolerable latitude and time. After making the compass of the Cygnet and we go abroad the Cygnet for a while - they have about 200 otters, five women and seven men. They intend to search for a keeper 1/2d about 12 miles WSW from the E end of St. George for otters - as soon as Capt. Macaulay and Morgan of the A.C.C. come over from the village in their boat, taking us for a lot of pirates with designs on the seal rookeries - they stay to lunch and we furnish them with some venison, also Capt. Kimberly who comes to dinner. Evening more moderate but squally.

Sunday Aug 23
Morning squally with showers passing clouds and fresh westerly gale equal altitudes corresponding.

Monday Aug 24
Strong NW wind with fog train all day. Rounding to within 2 miles of Unalaska Heads, when it starts in so thick and dense as hard that we reduce her to double reefs and the tide kicks up such a nasty sea that we are obliged to head her to the northward. See a whaling bark the Dava, quite near and making very good weather of it. P. U. very weedy and nasty.

Tuesday Aug 25
Make the land early in N. W. Stand in and anchor off the spit in 15 fms about 11 a.m. Bay windy and cloudy with showers. Get our mail which
arrived by the Empire, and a letter from Belknap who was here Aug. 5th.
Wagner ran the ship in the weeks trying to make her in to the inner harbor, but she got off without serious injury.

Wednesday Aug. 26

Day half clear. It is cloud, wind light, waves steady. Overhauling newspapers &c. all day. P.M. 2. Obs. (For time to rate chronometer.) 

Thursday Aug. 27

All cloudy, with a little rain. Cutter Reliance arrives in. They have been to St. Michael's, St. James once only. 47 aboard & take lunch with Elliott, Maynard & Dr. Thatcher. Who in return came off and dine with Adams Bank. Francis Reliance arrives in later in the day from St. Michaels & good news Roy. Bean is on board, arrested for infringement of the revenue laws, and Ketchum went.

Friday Aug. 28

Cloudy. Light variable & wind & fog with a little rain. Elliott came aboard & stays nearly all day. 

P.M. went ashore & returned to the cutter.

Saturday Aug. 29

Morning, mot. W.T.S. & heavy rain all day. Write letters.

P.M. go aboard the cutter to dine & spend the evening. The Sutton arrives from Belknap.

Sunday Aug. 30

Day cloudy. Will clean for a short time. Wind variable. Light attempt of for time frustrated by cloud.

Write letters in P.M. Dr. Thatcher & Ketchum aboard to lunch. Capt. Lenihan of the Sutton in the P.M. Let some hydrographic memoranda from him. A rock has been discovered in Pope's River. P.M. went ashore. 

Monday Aug. 31

Day stormy. Maybe muddy sky.

Work out letter to U.S. Commissioners. New Davidson &c. P.M. over vouchers &c. to be sent by the Reliance.

Tuesday Sept. 1

Morning, working on reports & journals. Cloudy, some fog, used moderate. P.M. running along line in the west side of Captains Bay.

Wednesday Sept. 2

Thursday Sept 3.

Day cloudy - went light at 11 am
Now some rain.

Go to Nantucket Bay. Lt. Maynard, Capt. Baker & collector woods go with us to fish.

Rain when we are at Nantucket Bay. interrupted by rain but nearly 2 hours later. Back by 7 P.M.

Friday Sept 4.

Rainy. Foggy. Work over conclusions and sketch.

M.W. Norton & Evening for John & Call on 'Mountains', the priest.

Col. Wood & thanfelt.

Saturday Sept 5.

Showery & equally in it will clear. A little in P.M. Will work all day over Shamagin map.

Sunday Sept 6.

Day half clear. Cold but pleasant. P.M. cloudy. Work over sketch of Kaminshi D. Shamagins evening. cloudy & go ashore for a little while.

Monday Sept 7.

Sail the Bailey out fishing and be met with great success. Day begins with

Wind & rain. Wind & work on current and temperature until Keene the pilot comes aboard.

P.M. Overhauling equipment. Batavilia comes to dinner, and Elliott, May
dard, and Willett come in the evening.

Tuesday Sept 8.

Rains hard all day work over

draggings. Will go around the cutter.

Wednesday Sept 9.

Morning half cloudy. Fine.

Go to the west side of the bay.

Run shoreline, later rains & showers. Back to vessel by 5 P.M. Evening blows a gale.

Evening - The Reliance fails.

This P.M.

Thursday Sept 10.

Morning moderate - with hour clear sky & strong squalls from S.W. and threatening clouds.

Works too bad to ask a long pull or work over computations.

All day. Evening showers.

Late cloudy - so ashore & call on Col. Wood.

Friday Sept 11.

Rainy & cloudy. Fish mostly wind.

Work on clinical work. Send Mr. Bailey out dredging on the heads of Captains Harb.

And he brings back some good things. P.M. Work on drawing three to Sectional.

Blackwood, Ballin, Rummel, & Chapin. work on the chart. Sulent

and everyone are moving the puzzles.
Saturday Sept 12

Happy + rainy with light variable wind... P.M. pack & catalogue specimens... Work over clerical work... Pay calls in P.M. Mr. Bailey gone fishing.

Sunday Sept 13

Rains all day wind light... P.M. ashore on the island... feel a little under the weather & take a dose of physic.

Monday Sept 14

Morning early, clear, fine, & calm... some clouds over... take the boat to continue our work on the west side of the bay... P.M. comes in raining... we return about 8 P.M. evening calm clear.

Tuesday Sept 15

Day cloudy with squalls & wind... otherwise pretty moderate... Obs for magnetic azimuth A.M. & P.M. Work over payrolls & P.M. Shumate comes off for dinner & as the evening is very stormy & rainy he stays aboard over night.

Wednesday Sept 16

Rains in P.M. with thick fog... but not much wind... Bar... goes down to 28.85 the lowest of the season... Work over sketch chart... Evening blowing a gale from the S.S.E. with heavy rain.

Thursday Sept 17 1874

Morning cloudy and raining very hard in squalls... P.M. more moderate... half clear... the fog... settle comes in from a mountain Drs... where the captain has obtained a number of mummies from a cave... and a lot of other articles.

Friday Sept 18

Rains hard the day... work over computations & dredging.

Saturday Sept 19

Day cloudy with light wind... and in P.M. fog & slight rain... Magnetic azimuth A.M. & P.M. Mr. Bailey dredges in port to ashore... Capt. Tennant aboard to dinner... P.M. works over dredgings.

Sunday Sept 20

Work over dredgings most of the day... Half cloudy... some fog in P.M. Sun out at times... Obs. for time 1st rate chronometers.

Monday Sept 21

Rains more or less all day with fog... nearly calm... Bailey dredging... Mr. Shore rebuilding boat house... P.M. sort gravelings.
Tuesday Sept 22

Morning half cloud. Wind light all day. Start for Tyronne Pt. It rains before we get there, but after we get there, I work on the refit and lay off till we complete the shore line of the west side of the Bay. Get back in a rain squall about 4 P.M. The natives have found a right whale dead in the harbor which had been struck by the adventurer.

Wednesday Sept 23

Day showery. Wind fresh westerly. Work over clinical work. The boat goes out after the whale which they do not succeed in finding. 9 P.M. call on Col. Woods.

Thursday Sept 24


Friday Sept 25

Morning cloudy with a little rain and strong westerly wind. Slow specimen in room, mark boxes, etc. Evening to ashore. Call on Col. Wood. Getting ready for sea.

Saturday Sept 26, 1874

Day cloudy. Light northerly wind take the small boat and go up to Ulaubsta signal and for pre-historics. Get about 35 specimens come back at 2 P.M. Mr. Shatlett about to dinner. Evening clean and catalogue specimens.

Sunday Sept 27


Monday Sept 28

Day cloudy and rainy. Cataloguing and packing specimens. Priest comes off to dinner. Wants some carved figs like a pattern he gives me, and wants some litte attended to. Evening my rain. Wind light.

Tuesday Sept 29

Morning half cloud and showers. Wind fresh N.W. at 7 A.M. stand out of small harbor. At 8 A.M. sail from sail link for San Francisco. Ebb of the past with a fair tide at noon are clear of Golden Gate and stand out to sea with a nine knot breeze, homeward bound.

Wednesday Sept 30

Cloudy. Wind moderate lighter in
Thursday Oct 1
Clouidy, wind S. by E., light wind in S.W., P.M. wind steady moderate - 124 miles this 24 hours.

Friday Oct 2
Clouidy, wind N. by E., pretty steady with slight squalls of rain - 186 miles to noon today (comes in 4 P.M.), 40 miles to 12 o'clock today.

Saturday Oct 3
Clouidy, wind N. by E., light winds at intervals

Sunday Oct 4
Rainy, very cloudy, with light wind especially in P.M. and heavy squalls in evening a light breeze springs up from the E/W - 212 miles up to 9 A.M. today.

Monday Oct 5
Morning cloudy and rainy, wind light, make 175 miles to 12 o'clock. P.M. wind very light, then squalls with heavy rain - moderate S.W. breeze all tonight.

Tuesday Oct 6
Cloudy, fresh S.W. wind - 149 miles to noon - P.M. wind fresh - keep the mainsail. Clear sky toward 9 P.M.

Wednesday Oct 7
Fair southerly breeze all day - morning cloudy, later part clear & nearly so. 220 miles this day.

Thursday Oct 8
Morning dead calm - about P.M. light NE. breeze, later a moderate northernly wind - 136 miles this day.

Friday Oct 9
Foully, fresh, wind in early A.M. from the Eastward - table very light, nearly calm all night.

Saturday Oct 10
Cloudy and clear at intervals. Wind light southerly - 83 miles today. Stronger in afternoon.

Sunday Oct 11
Morning cloudy, later light airs. 146 miles to noon - cloudy & foggy with rain in P.M. Towards night, a fine fresh westerly breeze springs up and we go along charmingly but P.M. -

Monday Oct 12
Foggy, wind light with some rain - see a few masts of vessels during
the day but no land came in. About
would strike the outward bound fleet
ofcontacters and soon afterwards make
Point Bar. About a quarter to
nine came to an anchor off Muggs
Wharf in San Francisco. Weather
foggy and dreary. Noyes, R. Baker
Nelkenbaum on astern.

Tuesday Oct. 13.

Early in A.M. go ashore, call at the P.O.
Try to telephone, and meet Bencel &
Doherty's. Then go to the Elms to so-
cure a room, then up to the office.
See mechanism, Curing, and TEA &
put room into shape. Clean up
and arrange things, afterward go
down town, meet Capt. Hall, call
on Caiman, up to Restaurant to
dinner. On my coming, call on Capt.
Noyes, I meet Dr. Bencel, the fiancée
of Miss Lippincott. To aboard at 11.30


Breakfast & get things ready to be
carried up to office & room.
Go up to office, then to bank and
down to P.O. & into see Doherty.
Get a letter addressed to the
at Unalaska which contains the
important information that the ap-
propriation failed during the last
session, and hence the work must
be given up or intermitted for a
year. This settles a point in which
my ideas were very evenly balanced.
It is probably for the best that I should
go East, as the longer I am away the
greater the increase of the gap between
me and my associates & studies.
Go to telegraph office & send a
long telegram to Patterson, & re-
serve part of my draft till I hear from
Stein. Up to office & write letters, work thru till
dinner time & then go to the
theater with Bencel & Teddy Crockett.

Thursday Oct. 15.

Post office. Breakfast, get
papers & from Capt. Noyes office.
Up to room & cut them & then
then to office. Work most of day
over writing letters & preliminary
report. Get telegram from Patterson
Go to Post office & send registered
letters, Miss Lippincott, and Jennings
Met steam at dinner & call
on Bencel & Fisher.

Friday Oct. 16.

Breakfast P.O. & up to office.
Talk over matters with Bencel.
Write letters. Go to Bank. Even-
Call on Bolander at 12.31 Mission.
Saturday Oct. 18
Morning P. O. breakfast, office
Heavenly Tommy comes up. Write letter & report. Go down to see Car- 
many, got Scammon's book & some 
copies of the overland and photos.
Come back and ride out to the cliff 
house with Bendel, dine, meet Capt
Smith, go out & call on Capt & Mr
Hall.

Sunday Oct. 19
Morning raining. Breakfast, office 
& church. Lunch at the Oties. Dine 
with Capt. Noyes. Spend the even-
ing there.

Monday Oct. 20
Morning P. O. breakfast, room 
and up to office. Gibbs is in 
to see me. Heaven crew calls. 
Down to vessel & pay off men.
Bendel comes aboard. 
Up to office - give map to Schu-
machler. Work on accounts. 

Tuesday Oct. 21
Morning P. O. C. S. office work over 
accounts at 3 P. M. go round to 
Fischer's. Overhaul Tuscarora speci-
mens. Dine & call on Jennings at P. M.

Wednesday Oct. 22
Breakfast, room, & office. Capt.

Thursday Oct. 22
Morning, call on Capt. Smith.

Thursday Oct. 23
Morning, send to Carmany's,
Noyes & Alaska deaths. Up to 
office. Down to see Capt. Noyes and 
bookkeeper. Back to office. Work over 
comparisons of copies faster. Abs.
P. M. dine with Jennings.
Saturday Oct. 24
Breakfast, P. O. room & office. Goldsmith 
also come in. Send down to vessel 
for log. Call on Capt. Noyes & leave 
with him. See Face about town.
Meet Stearns at office and 
with Baker go over to Berkeley 
with him and spend the night.

Sunday Oct. 25
Stormy SE with heavy rain. Go 
up to the office in the University 
building and meet Willard B. Rising, 
Prof. Geo. Becon'te, Yale and John E. Lewis, 
spend part of the day there, back 
to Stearns and spend the night.

Monday Oct. 26
Get up early - it. Ill. cleared a
May 7, 1872.

Pete Hassee

Henry & Aid

Work over catalogue & packing ethnological - P.M. - dine with Stebbins & call at Fisher.

Saturday Oct 31

Morning, P.O. - Meet Keene & Capt. Baker, breakfast, room & office - Work over miscellaneous work until 2 P.M.; then go to Moore's & take Stockton train arriving there about 8.30 P.M. Go to Henry & Austin's - William has now a house of his own.

Sunday Nov 1

Go to church with the ladies and in the P.M. - visit Dr. Sherriff at the Asylum.

Monday Nov 2

Take the 8 P.M. train for San Francisco, in charge of two ladies, Mrs. & Miss Davies of Stockton, friends of cousin Hannay. Then go up to the office, see Baker and Bradford, and Seyheller - P.M. Go to Academy meeting.

Tuesday Nov 3

Morning cloudy, Rufus & P.O. Breakfast room & office - Write letters - About noon go down to vessel - Go over sails & rigging and anchors with Bradford, pack some collections, go up town P.M. Call at Smith's.

December 27th 1874

Little, meet Gilman on the car. Go over to San Francisco, see Hubbard on the boat - Post office lunch, up to office. See Neureichen, pay off a lot of seamen. Get receipts from Capt. Noyes. Go over copy of observations with Baker. Evening call on Capt. Noyes.

Tuesday Oct 27

Morning showery. P.O. - breakfast and office. Workover records & letters. Leave order at Swooks, go down & get a bath, dinner, and in P.M. call on Rev. Stebbins.

Wednesday Oct 28

Morning, P.O. - Get instructions from Patterson, breakfast, up to room & office, see Neureichen Fisher and reporter. Work over records and inventory. Bradford comes in. P.M. Call at Mrs. Dr. Hastings.

Thursday Oct 29

P.O. - Breakfast, room & office - Go to Swooks, down to vessel at 1 P.M. Work all P.M. Cataloguing specimens of ethnology. Evering leave home at Hague's - call in S. W. Raymond.

Friday Oct 30

A.M. call on Stebbins, P.O. Moore's - Breakfast, room & work over office work. 12.30 P.M. go down to vessel.
Wednesday Nov. 4.
Morn. P. O. Breakfast, room & office.
Chase comes in. Leave note at church.
Go down to vessel and overhaul scientific equipment and mark boxes.
Pill. return to office. Dinner.
Attend Sarah Hall's wedding in evening.

Thursday Nov. 5.
Morn., leave order at Paccé, P. O. Breakfast. Stop come up, and put in church, send two boxes to Express office for S. J. Rainy. Pill. Go down to railroad depot and ship goods for S. J. & Baker. Pill. Call on Mrs. Rockwell.

Friday Nov. 6.
Morn., Cint. P. O. Chart mounts
Breakfast. Office. Mr. Bailey comes up, go round with him to the Academy. Get purpose pans. Leave equipment. Baker go down to the vessel and pack large chest.

Saturday Nov. 7.
Morn., P. O. room, office. Mr. Bailey & the carpenter come up
with instruments. Send morning round with books etc. About noon go down to vessel.

Pack up personal traps and get boxes in order. Return to office, dinner and spend the evening with Beudel.

Sunday Nov. 8.
Morn. P. O. Breakfast, room and office. Write letter. Call on Hagne & see Prof. Gilman.
Dinner with Capt. Briges.

Monday Nov. 9.
P. O. Breakfast, office, Hendee & Bradford in. About 1 P. M. Go down to vessel and work on inventory with Bradford. About 5 P. M. Go up to office.
Dinner. Evening go to theater with Beudel & Baker.

Tuesday Nov. 10.
Morn., P. O. Breakfast. Office.
Send Baker down to vessel. He bring up boxes. Go down all room & mark boxes. Back to office, calling on Hall and spend evening with Leurings.

Wednesday Nov. 11.
Morn., P. O. Breakfast. Well
Sang & send boxes. Office.
Don't go down to vessel. About noon
And finish inventory with Bradford.
Return to office & complete copy.
Evening call at Smith & Shelbys.
Thursday Nov 12, 74
Morning. P.O. Breakfast, office. Work over inventories & make expenses. Go down to Hodges, Pay Paces Bill, see Jennings, back to office dinner. Evening call on Miss Otis.

Friday Nov 13

Saturday Nov 14
Pick strawberries. Evening bath & over hand papers. Capt Barnes of the whale ship, Marine, states that about 5 miles a little S W of the N Pt of St. Paul Isl, he saw two breakers about three ships lengths apart. There was a very heavy sea on. Capt. Peters corroborated him. This breaker is said to be on the Arctic chart, used by the whalers which takes in the Biliboff group and goes east to the Mackenzie River mouth.

Monday Nov 15
P.O. Breakfast, room, office, check. Back to office, pack books & papers. Dine & spend the evening with Capt. Noyes.

Tuesday Nov 16
Morning P.O. Breakfast, office. Neuneen & Bradford come in. Go down to the vessel and turn her over to Bradford and return to office to pay off men, down to Bank 10 17 Clay St and settle 9% with Capt. W. Cassady,Cashier, depositing cash book No 18,793 with a credit of $8,000.00. Then to Townsend & Jennings. Get check, settle 9% and deposit in Bank. Back to office, pay Carpenter and work over payrolls. Meet Stearns at dinner. Lead Beadie my scrap book. Evening Academy meeting.

Wednesday Nov 17
Morning. P.O. Breakfast. Get vouchers, work over payrolls. Go again to see Capt. Mitchell & Barnes. Back to office. Dine at the Queen & Officers the P.M.
Lunch with Wysner. Come in, work over papers. Go down to see Watkins. P.M. Go to Oakland boat at 3 P.M. on way to Hay ward. Call on Nokhahavik's with Bendel to over but do not find it. At depot, get a buggy and finally reach his place after dark on top of the Coast Range about five miles from Hay ward. Spend the night with him.

Thursday Nov. 19.

Friday Nov. 20.
Breakfast. P.O. (Caumanty's) Office. (Shoest) See Olaff on at office. Noyes comes in. See about ticket. About noon go out to Woodward's garden and examine the animals. Back to office, see Bendel. Down to roost and dine. Evening dine with. Spend the evening at Dennings.

Saturday Nov. 21.
Morning cloudy. P.O. Breakfast.

Office, Noyes, Bendel & Neurende. Came in. Pack up various boxes by mark for transportation. Baker goes down with the captain on board some of the whalers with letters No.
At 4.30 go over to Oakland and dine with H. Bendel in company with B. Bendel & Baker. Back at 9.10

Sunday Nov. 22
P.O. Breakfast Room & pack trunk down to office. Pack large box to call today on Stebbins - Noyes and dine with the Noyes.

Close diary and open new book.
<table>
<thead>
<tr>
<th></th>
<th>Item</th>
<th>Location</th>
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<tbody>
<tr>
<td>1</td>
<td>Appendicularia sp. off. Cala coast S. Louis Obispo. January 1874</td>
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<tr>
<td>2</td>
<td>Siedmannia sp. off. Cala coast</td>
<td>January 1874</td>
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<tr>
<td>3</td>
<td>ditto same loc. January 1874</td>
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<td>Naked mollusks Catalina Harbor</td>
<td>Jan. 1874</td>
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<td>5</td>
<td>Small shells 30-40 ft. deep</td>
<td>Catalina Harbor. Jan. 1874</td>
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<td>6</td>
<td>Miscell. invert. same loc</td>
<td>ditto ds.</td>
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<td>7</td>
<td>lucapina ditto beach</td>
<td>Mollusks ditto beach.</td>
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<td>8</td>
<td>Invertebrates ditto beach</td>
<td>Romanlax &quot; &quot; beach.</td>
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<td>9</td>
<td>Pannella &quot; &quot;</td>
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<td>10</td>
<td>Ditto &quot; &quot;</td>
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<td>12</td>
<td>Small anch.</td>
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<td>13</td>
<td>Large &quot; &quot;</td>
<td>Crab &quot; &quot;</td>
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<td>17</td>
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<td>Fish &quot; &quot;</td>
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<tr>
<td>25</td>
<td>Miscellaneons Drv, beack, Cat. Harb</td>
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<td>28</td>
<td>Decap. &amp; Aphyz.</td>
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<td>Molluscs, beach Catalina Harbor</td>
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<tr>
<td>32</td>
<td>Crustacea + 40-60 fms</td>
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<td>Peunatulidae + 40-60 fms</td>
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<td>36</td>
<td>Interbrats</td>
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<td>37</td>
<td>20 on side Cat, 20 on mop Harb, 20%</td>
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<td></td>
<td>Fust sandy &amp; rocky bottom</td>
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<td>38</td>
<td>Molluscs beach Cat. Harb</td>
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<tr>
<td>39</td>
<td>Miscellaneons N. side Cat.</td>
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<td>20-10 fms sand &amp; stones</td>
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<tr>
<td>40</td>
<td>Miscell 52 fms Sta Barbara Chan</td>
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<td>41</td>
<td>Miscell San Miguel Feb 9</td>
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<td>42</td>
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<td>43</td>
<td>Crabs +</td>
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<td>44</td>
<td>Miscell. Upper Monterey</td>
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<td>Shells</td>
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<td>48</td>
<td>Beetles prog + Ch. Piros</td>
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</table>
Bed of match to top
in this line 211/2 from natural field 33 1/2

Pretont at junction 4 1/4
behind main corner at 4 1/2

Main corner to top
at top 6 and 2 corner junction

40 acres under plum corner
hence to top 10

Square side of street to top
above 2 now the line at 3 1/2

At 1/2 the amount of main 1 inch 1 1/2 to 1

Height of top above bank 1 year

Bank to top at first 1 1/4
Transport at 4 inches across bank 2 1/2

1 1/2

Another edge of street at the time
5

End of blance
1 inch to street line
3

North of street line
4 1/2

North of street at front 2

Depth of ditch on this line 1
at maximum of blance 1
at minimum of blance 1

North of street
4 1/2

Length 7 corners

Keep this level above the street line
1 corner line
2

High of street

4 1/2

Rains level 6 1/4
Kadiak

1. 2 bidanka slats carved
2. 3 hole bidanka & equipment
3. Iron heated arrow
4. Bone
5. Throwing stone
6. Gut cap
7. 1 skull from cave - Nagaquk
8. Bag of seal throats
9. Arrow sinew lanyards - Nagaquk
10. 2 sinew thread for sewing
11. Knife & fork - Wuthergak
12. Brook images
13. Model mask

Chirkoff Estimo
Lock & key
Alkine metal
14. 2 needles
15. Sinker
16. Arrow & head
17. Bow
18. Wooden instrument

Yakutat
1. Pipe & stone hilt
2. Big dish
3. Piece real skin bag
4. Little flat dish
5. Bird pipe case
6. Shaggy - carvings
7. Chedia men
8. Big basket
9. Bow
10. 4 arrows
11. 5 canoes
12. Halibut hook
13. Old woman hat
14. Snuff mill
15. Pipe
16. Roundel large dish
17. Spoon
18. Bird nettle
19. Cigar case
20. Little bird dish
21. Totemum

25 April

1 handkerchief
60 ft 6.4 ft
14.32 meter
1845