ERADWAY, J. R.

Diary of journey from Delavan, Wisconsin, to Tehama, California, March 30 - September 17, 1853.

BEGINN ING

This will certify-That my wife Mors. Mariella L. M. C. Tayne is daughter of Dr. Joseph P. Bradway late of Oakland, California. That we have the original Townal Kept by said Dr. Joseph R. Bradway on his Covered na gon trip Belevan Wis to Schama, California March 30th to September 17th 1853. _ that the accompanying type written copy (76 pages,) is a true, correct and complete copy of said Tournal. Rederick M. Layne. Subscribed and Native of Newfork State. sworm to before Citizen of Colifornia me this Eighth 1878-1883; Desident of Hartford, day of October Connecticul. J.G. Domb. Nº 17 Fales Street. Notary Lublic.

Collated from pencil copy by Alice E. Smith and Helen Haurer, June 20, 1930.

[From pencil copy by Frederick W. Payne, 17 Fales Street, Hartford, Connecticut.]

JOURNAL OF

DR. J. R. BRADWAY, Delavan, Wisconsin.

Thurs. Mar. 30th. 1853 -

Weather not very pleasant having the appearance of an approaching storm.

Started about 7 o'clock A.M. leaving home, friends, all that I hold dear save life, health, and virtue, behind.

Arrived at Marengo in time to take the cars [for] Chicago where I arrived about 7 o'clock P.M. and put up at the Sherman House T. & B. Tuttle and Brown, proprietors.

Rail Road the first half of the event very good the last half quite rough scenery some of the time like riding over a causeway that was not very rough. The country through which it is built is for the most part level and in many places quite marshy. Cannot make it seem that I am leaving home for so long a time as 2 years at least.

Friday. Still some the appearance of a storm, damp and chilly during the day though shone some small portion of the time.

Commenced doing up my business that I might be ready to leave on the Rock Island train in the morning. Called on Dr. Brainard - discharged my indebtedness and accomplished

my business except obtaining my diploma the obtaining of which cost me some trouble as the one which was made out the time of graduation was mislaid, and it was necessary to get signatures to a new.

Went to my room and after packing my trunk commenced about eleven oclock writing to Elvira, intending to start in the morning for St. Louis.

April. Satur. 2nd Quite a frost last night but the weath[er] perfectly delightfull this morning. Started in good season to procure my Diploma. Got all ready in time to take on the cars but by misunderstanding did not get my trunk on I was compelled to say till the next train on Monday. I regretted this occurrence as the weather was pleasant and I enxious to get along. Consoled myself with thinking however all was perhaps for the best as I did not like the idea of being hurried off in that way.

Spent the rest of the day in writing home, writing in my journal and running about -- of the latter though I did but little. In the evening I met friend Sayquette Lake who was on his return from New York City.

April 3rd Sund. Cloudy some the appearance of a storm. Went to the Steamboat landing to see friend Lake start.

Did not attend church as I felt that I should be more alone among a crowd of strangers than I should be communing with my dear friends at home in myown room. Spent the day in

writing to Elvira and Amanda. Though I was strongly tempted at each ring of the bell to repair to some one of the churches.

April 4th Mond Weather fine wind briskly from the west cool and bracing. Determined this morning that I would neither be left nor be in a hurry.

Secured my passage on the R.I.R.R. and started for the depot about & A.M. and arrived at La Salle the extent of the railroad about 1/2 past 1. 0. P.M. in safety passed several places but none of particular note except Otowa & Joliet. These are both places of some considerable size, containing probably somewhere from 1500 to 3000 inhabitants each the ground upon which they are both located is very rough and the buildings are very much scattered.

They both have one characteristic that I have noticed about all Illinois villages viz. rather a rusty appearance. They are both on the Illinois river and with the advantages of canal and railroad with their natural advantages must eventually make them very smart places. The country over which the line of the Rail R passes till it reaches Otowa is very pleasant and level and the grade of the road easy. From O. to La Salle the country on the road is broken presenting on the right of the road little else than a series of embankment of limestone towering sometimes 20 feet above our heads.

A short distance before reaching La Salle there is a tunnell of some 6 or 8 rods in length worked through a projecting mf point of lime rock. The track is not a very even

one. La Salle and Berne, for both are nearly the same being only one mile apart from the center of each, are scattered along over the distance of about 2 miles on the bank of the river which rises to considerable height. Left La Salle about 2 P.M. and arrived at Peoria about 10 a distance I believe of about 70 miles. The banks of the river are mostly quite low and covered with timber on both sides presenting but little or no variety as yet.

April 5th Tues. Calm, clear and pleasant, considerably warmer than yesterday.

The Cataract, the boat on which we embarked yesterday lay at Peoria till about 7 this morning.

P. is rather a fine place containing perhaps 6 or 8 thousand inhabitants. Some very good buildings and is pleasantly situated on the West bank of the river. Made but slow progress this A.M. in consequence of numerous stops along the way arrived at Pekin about M. a distance of only about 10 miles. Pekin is a pleasant and apparently somewhat thriving place on the east bank of the river. Has a dry and pleasant situation and contains probably about 2000 inhabitants. Called on Matthew Fuller at this place and found his mother stopping with him and about making her preparations to start for Wisconsin where she expects to spend the summer. Wind very brisk this P.M. but less chilly than yesterday. Made the acquaintance of a young man by the name of White formerly of Dayton, C. found him very companionable and

regretted that his business compelled him to leave at

Havana a small but very pleasant appearing place. After

leaving there we passed the Amazonia on its way up the river.

The scenery along the river today very monot, and about the same as yesterday. Some bluffs on the east side from Peoria to Pekin. Wind continued to blow very hard from the N.V.

Apr. 6th. Wednes. Clear and bright but quite chilly wind blowing a gale from the N.W. have made good progress during the night. Entered the Mississippi about sunrise. The scenery particularly on the east bank entirely different being high bluffs terminating at the waters edge or near it in a bold and high escarpment of limestone. Passed Alton on the bank of the river between 8 & 9 0. just below this place the turbid waters of the Missouri mingle themselves with the Mississippi.

Arrived at St. Louis between nine and ten O. A.M.

Soon took my leave of the Cataract and found my passage on coard the St. Ange up to St. Joseph.

St. Louis is a bright & important place, and doing a large amount of business - just opposite this place on the river is the Island which is called bloody Island from its having been the scene of many duels.

The levee or street along the river is the principal business street. It is very broad and has done upon it more business than any street I ever before saw. Almost the entire business of the city is done on this street.

Many of the streets are narrow and have an unpleasant appearance particularly those running at right angles with the levee. Those farther back on the more elevated portion of the city are of more respectable width and appearance.

Have the promise of starting for St. Jo. this evening but shall probably be disappointed - as I am told they are going to start every day but start when they get loaded and not before.

Apr. 7th- Thurs. As I expected did not leave St. L. last night. Weather pleasant and no appearance of a storm feel very anxious to be on my way.

Our boat continues to take on passengers and freight all day. There is I think some prospect of starting as the cabin is about full of passengers and the storage room full of freight. Start from St. Louis about 7 o'clock P.M.

If you take a peep into our cabin you will find that we have quite a general assortment of passengers from the genteel and well dressed to the slovenly and roydyish and I have no doubt, could the acquaintance of each be made there would be at least as great a variety in mind as in external appearance.

Among the number there is one whom I have observed is called Judge and who is a fine looking man.

Left St. L. 7 0. P.M. and ran all night. About the country which we passed of course I can say but little, had a very good nights rest in the upper story of a state room. I must remark here that the general physiognomy of passengers is that of honesty and I have seen no cause for exercising

any more than common prudence.

There was one poor simple hearted fellow who got swindled out of about seventy dollars just before we left St. L. The villains did it by imposing upon his generosity one pretending that he had a family that he wished to take to St. Jo. and was out of money but would give a gold watch as security, the other that he was acquainted with him and knew the circumstances to be as he had stated; thus they made a lemon of the poor fellow and squeezed him most effectually.

Apr. 8th Friday. Pleasant again wind blowing very briskly down the stream. The bank of the stream is for the most part of alluvial formation and composed of very fine sand and clay. This is constantly worn away by the water and large masses are falling into the stream which no doubt has much to do with giving it the turbid appearance that it constantly bears.

There are in the bosom of the stream many islands, some of which are of considerable size, usually entirely of alluvial formation and generally covered with a growth of Cottonwood and Sycamore - gums - all in appearance of from four to ten years growth but sometimes the timber is of much greater age, appearing to be as old as that of the forest in the surrounding country of which it no doubt not many years since, constituted a part. On the east bank some portion of the stream has been bounded by high bluffs terminating at or near the waters edge in high perpendicular ledges of what appeared as near as I could judge to be lime or sandstone. These were sometimes as high as 3 or 400 feet. Peach trees, are fully in bloom.

The banks of the river not very much inhabited and when inhabited not very extensively cultivated.

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Passengers amuse themselves in various ways some in reading, some in playing cards and some in doing nothing. The reading I am sorry to say is mostly of the miserable trash that is thrown to market with yellow covers on. Had a temperance meeting in the cabin this P.M. addressed by Judge Burch, a Rev. Mr. Hamilton, and a Mr. Swipler, a Missouri editor.

All were S. of T. and all spoke very well At this occurrence I was exceedingly gratified.

Among the passengers are quite a number of ladies with whom Judge Burch and Mr. Hamilton seem inclined to pay considerable attention. The Judge being a widower under engagement to be married next fall and Mr. H. being now on the way to his third affianced.

Do not feel very well so I go without eating.

Apr. 9th Sat. Pleasant again this morning but rather more chill than yesterday. Some wind but not so hard as yesterday. The country along the banks much the same as yesterday Very little agricultural improvement and that very poorly conducted.

Fassed Jefferson City the capital of Missouri about M. Was much disappointed in its appearance axi it being small, containing only about 1000 inhabitants. It is situated on

the N.W. bank of the river on a very broken piece of ground and has but few good buildings. The State house and States prison are the two principal buildings and would appear to be about all that make the place.

order and constructed of wrought limestone of which there appears to be an abundance about the place. Scenery along the river continues much the same. A sermon in the cabin max. this evening by the Rev. Hamilton Text "I am not ashamed of the religion of Christ." &c. Discussion very good though not very logical probably from its being extemporaneous. Most of the passengers gave good attention.

Apr. 10th Sund. Weather pleasant though quite chilly during the night. Little or no wind today. "This is the day so calm, so bright, the bridal of the earth and sky." Sabbath always brings more forcibly to my mind home with all its blessings.

Passed Booneville this morning about about 3 0. Situated on the N. E. bank of the river and is a place of considerable importance, containing as I am told about 2000 inhabitants. It is extensively engaged in the manufacturing of stone ware supplying as I am told most of the surrounding country, and the river trade.

Glassgo is another town of considerable importance which we passed between eleven and twelve 0. containing some 2000 inhabitants. Pleasantly situated said to have a fine country

back of it and is extensively engaged in the tobacco trade more so than any other town on the river. Passed Braunswick about 7 o'clock P.M. a pleasant little town containing probably about 500 inhabitants and quite extensively engaged in the tobacco trade. Mailed a letter from here which I had written to Sister Sarah. The river seems to be rising and the current is becoming quite rapid being almost equal some times to the velocity of our boat.

Apr. 11th Mond. Cloudy some the appearance of a storm wind rather brisk and quite chilly.

Rained a little during the day.

Our boat laid by last night some four or five hours on account of the darkness and for the purpose of cleaning the boilers. Scenery along the river much the same as before, mostly low bottoms. Passed several small places of no particular account.

Made very slow progress. Saw a hemp house full of hemp burn this P.M. Said to be worth about 12 or 1500 dollars. Caught from a spark from the boat.

I am more than ever disgusted with card playing even for an amusement, had I forty sons they should never if I could prevent it know anything about cards.

It is true that some genteel intelligent people engage in it but the great majority are low lived, profune and empty headed.

Apr. 12th Tues. Laid by most of the night last night on account of storm and darkness. Thunder shower lasted most of the night. Passed Lexington about daylight. the scene of the awful catastrophe of the Saluda which occurred last year about this time destroying a great many lives.

The boat was crowded with passengers principally Mormon, and of the whole number on board only about thirty escaped. The circumstances producing a result so awful as I learned that from the mate of the St. Ange were essentially as follows: The S. was a condemned boat, had been thrown aside and stripped of her machinery, was bought for a small sum by a man who rigged her with a single engine (having been originally built for double engines) which was also an old thing and entirely unfit for use. With this craft he proposed to carry emigrants to the Upper Missouri. passing around the point at Lexington the boat was unable with the usual amount of steam to make head against the current, so after several unsuccessful attempts the Capt. ordered the engineer to run her around or run her to hell. Not being able to do the former the latter he accomplished most successfully.

The boat was literally torn in pieces and the Capt. was blown some ten or twelve rods up on the bank. Thus sacrificing his own life with the lives of scores of others on the altar of his rashness and avarice. God Almighty visited upon his head the severest penalty which he could pay for his crime and humanity could not inflict a penalty too severe upon the wretch who

would be guilty of an attempt so heinous. Cloudy all day made but slow progress scenery much the same. Card playing much resorted as an amusement.

Undertook to have a dance last evening but it proved to be rather a lame affair both in music & performance having no one who knew how to play or call off.

Apr. 13 - Wednesday. High winds and flying clouds
Under the necessity of lying by a part of the night on
account of darkness and high wind the latter making the boat
rather unmanageable. Passed Kansas and Parksville both
small though flourishing villages the first on the left the
second on the right of the river. At the latter place is a
female seminary said to be in a flourishing condition.

Apr 14th Thurs. Chilly sour weather wim briskly from the N.W. Ran all night arrived at Ft. Leavenworth this morning about 7.0. Here are some 250 soldiers stationed under the command of Col. Fornby. This is a beautiful location for a fortification. The government owns 3 acres all the rest is Indian Territory. 6 miles above Ft. Leavenworth on the opposite side of the river is Weston a place of considerable importance, neat substantial and orderly in its appearance containing a population of about 3000 and seems to be doing considerable business. It is a point from which some emigrants start on the overland route to Cal. and Oregon. Weather fine this F.K. made tolerably good progress. The valley between the bluffs getting considerably near, 5 miles apart.

Apr. 15th- Frid. Chilly and somewhat cloudy this morning. Ran most of the night and made very good progress.

Saw a large quantity of pelicans on a bar some distance from the boat. Arrived at St. Joseph about 11 0. A.M. As I approached this place you may rest assured I felt somewhat elated as I had been some several days longer than was anticipated in reaching my party and I was now certainly expecting to meet them soon. Met A. Clark at the P. O. and ascertained that our party were about 8 miles from town in encampment.

Found all well and in good spirits united in feelings and interest. All had been quite well since they left home except Ward and J. Taylor who had been slightly indisposed.

St. J. is a very flourishing village containing a population of about 3000 + and doing a fine business particularly with emigrants to Oregon and California.

This being one of the principal crossing places on the Missouri. The country about this place is populous and fertile though quite uneven except a portion along the river which is level and of alluvial formation. The uneven portion is quite evident of diluvial formation. The vegetable features the same as about Delavan and in fact the whole country resembles that in the vicinity of Delavan in every respect save that it is much more uneven.

There are at this present time more rough faces rough looking persons all over and more of all sorts of animals that I have ever seen before in a place of this size.

Buildings in this place are mostly of brick for which they seem to have good facilities for manufacturing.

Apr. 16th- 1853. Sat. Cloudy and quite chilly wind from the N. Last night was my first night in camp.

Slept well and think I shall enjoy camp life very much.

Went to St. J. today to make some purchases and while there went with the rest of the company to see a race Object in going was principally to see what kind of people I should meet. There was of course all sorts but all so far as I had any observation have one characteristic in common namely profound swearing - old and young, rough and smooth But in all probability the good and virtuous are not to be seen at such a place for I conclude there are such about the place

Returned to camp about dark hungry and tired.

Apr. 17th Sund. Cloudy rained some during the day.

Spent the day writing to friends at home and nearly all the rest did the same. Wrote a description of my passage on the Missouri river to Dr. Hunt -- All things go on very quietly and very much united.

I feel quite assured that we shall have with few exceptions an agreeable time. Weather still chilly and vegetation back-ward.

Apr. 18th Mond. Cloudy with thunder indicating a storm some rain during the A.M. but is quite pleasant during P.M. Spent A.M. mostly in writing and in repacking my trunks.

Went this P.M. in pursuit of some cranes but was unsuccessful.

Tues. 19th Clear and pleasant but quite cool, went in pursuit of cranes but again unsuccessfull. Wind soon commenced blowing from N. W. with flying clouds.

Sent a letter to Dr. H. Ward & Buchanan went to St. J. brought a couple of strangers home with them to join our company.

Apr. 20 - 1853. Wedn. Somewhat cloudy this morning wind from the E. appearance of a storm Mr. C went some 25 miles after cattle. Spent day mostly in writing and reading.

Thurs. 21st Rained very hard accompanied much thunder and lightning continues till M. Raining most of the time very severely High wind and flying coulds.

Wind west quite warm much the appearance of fine weather Mr. Coleman rather indisposed.

Apr. 22 - Friday. Clear and pleasant last night Some chilly towards morning, cloudy this morning but scon clears away. Warmer than any day we have had yet and seems more like spring Crosby has returned Coleman better John Allen quite indisposed Cloudy towards night some muttering thunder threatening a storm Wind E. Church somewhat indisposed.

Apr. 23rd Saturday. Rained last night pretty much all night powerfully accompanied with severe thunder and lightning Still raining this [morning] till 9 0. A.M. Wind changed to the W. Cleared up High wind and flying clouds Killed a calf in camp that belonged to the company.

Sund. 24th Wind east very cold rainy and disagreeable Received a letter yesterday from Elvira and one from John.

Answered them today.

Apr. 25th Mond. Frosty last night Clear and pleasant this morning continues pleasant all day Changed camp to a dryer situation Company branded stock Did a little washing.

Tues 26th Clear & pleasant but quite cool at sunrise
Warm through the day with tolerably high wind W. Some
appearance of a storm P.M. Had my horse shod on my way to the
shop saw a great plenty of the Cercis canadensis (red bud
Judas tree) Some lightning and distant thunder.

Apr. 27th /53 Wed. Some rain this morning accompanied with thunder. Quite warm through the day vegetation growing very fast. Wild plums have been in bloom some days Most of the company are engaged in yoking and breaking cattle Spent most of my time in writing.

Thurs. 28 - Rained hard nearly all night accompanied with thunder and lightning. Continued raining till about 8 A.M. Quite warm cloudy during the day chilly towards night Wind E. Ward & Crosby load their provisions.

Apr. 29th Frid. Clear and cool wind quite briskly from the E. birds are singing merrily and our camp are in fine spirits as there is a pretty fair prospect soon getting over the river and fairly under way. Went to town and spent several hours in doing some business. Sent power of attorney to brother Hiram Great many emigrants waiting to cross the river. The migration is much greater I think than was anticipated Returned to camp

about 5 o'clock P.M. Quite warm.

Apr. 30th May 1st 1853

Satur. Cloudy and quite cool Wind S.E. Quite chilly Ther. a 54° Pleasant through the day. Spent day mostly in camp lettering a sign.

W. briskly from the E. quite warm some signs of rain P.M. Fired at target -

Sund 1st Commenced raining about A.M. accompanied as usual by thunder.

Some anxiety felt this morning in camp about a horse belonging to Ward, which having been left loose has strayed off during the night and is not as yet to be found.

May 1st 1853 - Sund Continued raining till about 1 o

A.M. My mare broker her halter and ran off -

I pursued her immediately but lost her track in about 2 or 3 miles Went back to the camp thinking she had returned thither but vain hope she was not there I took a horse pursued and found her track and pursued her till dark getting off of the track once and finally lost it just before dark could hear nothing of her returned some five miles and put up for the night.

Mond 2nd Pleasant this morning but some cloudy started early on my search in company with Mr. Stephen Freeman of Washington township Buchanan Co. Found the track and pursued on rode all day but was compelled to return unsuccessful Returned to camp about 9 o'clock P.M. after a hard day's ride This seems rather hard luck but there is no use mourning for what cannot be avoided.

May 3rd_4th

Tuesday Cloudy and rather chilly this morning but quite pleasant through the day. Most of the company spent the A.M. in search of a stray steer and found him.

Crosby and Giles started again in search of my mare.

Med 4th Raining greater part of the night and still continues this morning A gloomy prospect for starting

Waited till about 10 0 when we struck our tents packed our duds and started for St. J. in hopes to cross over today.

C. being in pursuit of my mare I was obliged to assist somewhat in driving cattle Rained considerably again during P.M.

Cot our wagons across but could not get our stock over. Sent a letter to Elvira one to Doct. H. one to Doct Herrick of Chicago.

Thurs 5th Crosby and Giles returned about 9 o last evening entirely unsuccessful So now we must give up the chase and bid good by to the chance of ever seeing them again. Pleasant this [morning] and appears as though we should have a pleasant day. Forests look very green

Saw a number of indians in town yesterday clothed with a blanket, britch cloth and leggins only.

Fretty much all of them more or less drunk and many of them beastly so. Very pleasant all day and quite warm. Stayed at the Missouri house last night and slept in a long bed on the floor. Got all safely over the river

Started about 12 o. for the bluffs but with rather a

bad prospect as the road was very bad and wagons were loaded too heavily and our teams were wild and untutored.

There was bad policy in this arrangement. They were under the necessity of partly unloading one of the wagons Lost six steers came about five miles and camped for the night leaving one wagon behind.

The large forest trees are mostly Cottonwood and Sycamore also some Elm. Among the shrubbery I notice a species of Willow Sa longi also the Judas tree which is very beautiful. Among the plant a species of Ranunculus was very prevalent. Geological formation alluvial. Soil sandy loam Sent letter to St. Louis.

Friday 6th Not able to sleep much last night as we were obliged to watch cattle and having not tents were not very well provided with lodging using the ground or a log.

Cloudy this morning and somewhat chilly breakfasted early started on our way about 8. o. Came to the bluffs in about 2 miles. These are apparently of diluvial formation except where we first struck them, there the lime rock appeared in horizontal strata.

Saw some Pawnee indians and indian farms just as we came on to the plains. There is tax of 25% levied on each team required by the indians. But many of the emigrants are unwilling to pay considering it a mere scheme of the indian agent to raise funds.

Rained during the P.M. and is very disagreeable. Made about 3 miles and camped that we might bring up the remaining wagon and regulate.

Lay 7th Sat. Rained most of the night somewhat more pleasant this morning but quite chilly so as to be uncomfortable without overcoats. Learned that the yoke of steers that were lost were run off by a party of Pawnee indians. A neighboring party having about 600 cattle lost most of them during the night but will probably find most of them again. Passed one very wide bad ravine where we were detained about one or two hours. Saw two Pawnee Inds

Halted at 1. O. P.M. but few moments to take meal cold

May 7th 8th Chilly all day and occasional showers.

Road winding. Country uneven. Grass most of the way rather short passed a small stream about 3 0. P.M. halted and pitched our tents about 5 1/2 0. in a small ravine.

Sund 8th Quite chilly last night Clear and pleasant this morning but cold Ther 38 Rolled out at 9 o. after much delay in yoking young steers much yelling whipping and prodding

Passed a small stream about 10 0. mostly gravelly bottom met on its banks a small party of indians. I should think from, appearance a father two wives and family. Along the stream I observed the Judas tree Elm a species of poplar Oak Burrcrab apple a species of Delphinium. This stream a branch of Wolf Creek which passed in 1/4 a mile - Stream 1 rod wide banks containing some timber as mentioned above. Company of Sauk Ind. tented here who demand tribute of the Emig for improving the crossing 50% a wagon and about 5%/ for loose horses.

Went to their tent found them playing at cards Rode ahead to the Iowa mission 4 m. established in 1637 by the Presbyterian Foreign Mission board Contains 4 families Farm 150 acres Cultivated land owned by the Ind. cultivated by the government store. The Mission contains about 40. Passed a small str. about 2 m. bridged by the Ind. Sauks. Tax 25 & Passed a small grave marked J. 3. 1852 Camp at a small stream 4 m. from the Mission about 1/2 past 3 0. The country over which we have past is beautiful being with the exception of a few ravines containing a few trees a high open rolling prairie covered with a most beautiful carpet of green. Roads and grass better.

Mond. 9th Some rain last night cold the latter part
Ther. 42° at sunrise Rolled out at about 1/4 to 80. Wind
briskly from the N. W. Splendid scenery to the right Grass
better than yesterday Road improving passed numerous slews
some pretty bad

A man with family who had lost all his cattle 13 had been looking for them 3 days. Raw chilly W. wind all day Halted M. 1 hour Camped about 50 near a small stream having made about 22 miles Sundown Ther 48 Passed 2 Emigrants graves

Saw 2 S. of Batschia and a new plant of the 16th 10th

Tues 10th Clear & cold last night the same this morning A.S.R. Th. 25° Rolled out 8 0 10 m. crossed a very pretty stream with clear wide shelly lime rock bottom passed through a small grove mostly oaks in a hollow about 5 or 6 miles from

our camp not mentioned in the guide book. With oaks are a few elm & Cottonwood. Saw Judas Trees. Spirea and a species of Ribes also Phlox. The lime rock in this stream is in compactness some like the metaliforms.

Halted at 120 Race between a wolf and grey hound

Passed a grave Camped between 4 & 5 P.M. at a small stream

1/2 mile S of the road. In the ravine through which the stream

passes was considerable oak & Linden. Good feed. Ther 54°

came 15 m.

Wedn 11th Some cloudy this morning Wind S. Briskly
Ther 52 Rolled 1/4 of 8. 0. Passed 2 graves one marked
J.M. 1852 the other G.M. Loud Apr. 13th 1852.

About 6 miles from our camp saw a small grove of timber about 1/2 mile to the right a good camping ground not noticed in the guide Passed a large quartz bowlder of several tons weight on the right of the road. Reached Big Nemaha about 3 0.

P.M. A fine stream some 2 rods wide and 2 feet deep clear water at the ford lime rock deposed in horizontal strata. Along this stream was principally Oak & Elm interspersed with a large variety of other timber.

Took in wood and water and rolled on about 2 1/2 miles encamped at 5. O. P.M. fine grass. Some water in a small ravine some 80 rods to the right of the road. Small growery at the Nemaha at which some of our boys got rather "tight"

Ther 54°

Thurs 12th Some rain in the after part of the night wind briskly from the N. Stood guard till 12. 0.

Wind N. Ther. 42° at S.R. Rolled on at 7.0. passed a very pretty small stream about 6 or 7 m from the Big N. handsome skirted with timber Oak Hickory Elm principally.

for 4 or 6 miles The small stream above men. [tioned] proved to be the Small Nem. Wind E. Rained considerably during A.M. Road very good but very crooked. Camped about 5.0. at Elm Creek a very small stream having some large elms near. Passed some 3 or 4 graves Ther 59° at S.D. grass poor.

Frid 13th Cool Ther 49° at S.R. Cloudy Wind N.E. Rolled on at 70. Passed a small ravine which might some times be called a stream with some elm trees in the ravine about 10 1/2 0. A.M. crossing somewhat bad.

Halted about 11 1/2 0. one hour grass tolerable camped at 5 0. P.M. about 1 mile N.W. of the road. Good water grass and wood a variety of lime rock appears along the bluffs at this place deposited in horizontal strata which are from 1 to 6 in. thick divided in small fragments by seams.

Road over which we passed quite level and very good.

Ther 65° Made about 22 m.

Sat 14 - Rained considerably this morning very high wind from the E. Rolled out about 2.0. Proved to have camped about 1 m from B. Blue river which got safely over by 1/2 past 9.0. This stream is about 6 rods wide and at ordinary time about 5 or 4 ft. deep and very good fording,

banks good There is at present and has been for the past year a small store at this place and a very good ferry boat charge for crossing from \$1 to \$4. Saw at this place 3 Cheyenne indians, finest specimens I have seen. Along this stream there is occasionally an escarpment of lime rock horizontally stratified. There is also an occasional exhibition of it on the bluffs about this place & beyond Grass tolerably good along the route. Road rather more uneven. Wind blew a perfect gale from the S.E. Went in advance of the train to look for camping ground, passed the junction of the Independence road Crossed Cotton wood branch at 1/2 past_2.0. This small stream cannot be over 10 m. from the Big B. Mistaking this stream for one which was not down in the guide I passed on in company with Lr. S. got lost from the train and after a fruitless search put up with another Californian who had stopped at the Cotton wood (in a log house without any chinking) by the name of Thos. Reynolds from Mo. who generously shared with us his bed & board.

Quite a smart shower at Sundown There are scattering trees of Cottonwood along this stream.

Sund 15th Morning beautiful clear & calm birds singing merrily and the notes of a bugle have just fallen on my ear.

Took breakfast withour host and having heard that our camp was but a short distance off soon made our way thither Wind S.W. gentle fine all day spent the day mostly in writing to Dr. H. & E. called during the P.M. to see a little boy at a neighboring camp with intermittent fever

On duty the first part of the night Very clear & pleasant T. 70°

Mond 16th A tremendous shower Ther. at 56° Wind S.W. Stream raised so that we could not get our stock over (having been taken on the other side to graze) consequently we did not start till 1/4 past 1.0. Carried wood and camped about 1/2 past 5.0. having made about 10 miles -- good grass water in a dry ravine accumulated from the rain. Wind E. Ther 56° having made about 10 miles.

May 17th Tues. Rained very hard the latter part of the night wind E. & Cloudy this morning Continued our mar. about 1/2 past 7.0. 4 1/2 hours travel brought us to the Little Sandy sometimes called Turkey Creek. Some turkies along it.

There is some considerable timber principally oak elm in the narrow ravine in which this stream runs, from 4 to 15 rods wide. The stream I should think is generally small but is at present considerably swollen by the rain and is about one rod wide & 2 1/2 ft. deep. Crossing tolerably bad. Made a short halt on the west side to take in wood & take a lunch.

In about 2 miles from the last we crossed another small stream probably dry some of the time but containing considerable water at present and also the ravine some timber.

Camped between 5 & 6. C. on the bank of a small stream having considerable cak and elm along its bank. Not mentioned in the guide - is about 10 or 12 m. from Little Sandy

Crossing tolerably good. Tolerably pleasant Strong E. wind till about 6.C. it changed W. Made about 22 m. grass tolerable -- water and wood. Ther 66° at S.D. Country over which we passed rather uneven.

May 18th Med. West wind blow a perfect gale during the night and continues this morning Ther. at 42° Continued our march at 1/2 past 7.0. Came to the Big Sandy in about 5 m.

At present about 2 rods wide A belt of timber from 10 to 20 rods wide along its bank -- principally oak and elm
Crossing not bad Having rode ahead of the teams I spent some time in search of wild turkeys and deer which are said to occur along its banks but unsuccessfull Country uneven road very crooked Passed a small stream which must be dry most of the time --- About 6 or 8 miles from B.S. suppose it to be Ale Naes creek Feed been rather poor most of the way to day.

Camped at 6.0. near the Ale Naes which is at least 15 m. from the Big S. instead of 9. as given by the guide. Chilly all day and a brisk wind from the W. changing to the N. of W. during the P.M. Telerable grass Had to bring wood and water 3/4 of a mile

Thurs 19th Clear, quiet Ther 32° Started from camp at 1/2 past 7.0. Ringan and myself rode for the purpose of hunting along the banks of a stream about 2 rods wide at present and 2 1/2 feet deep. Followed it till it crossed the road Our teams had not arrived Waited till 1/2 past 11.C.

While waiting an accident occurred in which a young man by the 7276.

Paine got his scalp badly lacerated by the kick of a mule.

Sent R. after my dressing case Waited till 4 for him but

he did not return Dressed it the best I could and went back

found the company about 1 1/2 mile from where they started in

the morning having broken an axle. Got to camp 1/2 past

Six O. Worked till 2 O. The next morning putting it in I

being more of a mechanic than any of the rest.

May 20th Ther. 42° Weather calm & pleasant Rolled on about 8.0. Road dry but rather uneven and rather crooked.

At 3 or 4 miles from the stream near which we camped are ravines containing some bass trees but no water except in wet season. In about 7 m came to a stream up which we hunted yesterday Crossing good. Hunted up this stream in company with Ringan some 4 or 5 m. About 5 miles from this stream is a ravine containing some wood. 2 miles farther came to the Little Blue up which we passed some 7 or 8 m. Camped at 1/2 past 5.0. on its bank -- This stream is one by 2 rods wide and beautifully shaded with cottonwood. Beautiful day. Ther 64°

May 21st Sat. 21st Clear calm and beautiful Birds singing and all seem cheerful Ther 52° Continued our journey at 7.0. up the bank of the river about 8 or 9 m when we struck across the prairie Halted at M. Ther 86° Antelope seen Continued across the prairie about 7 m to a bend of the river again. Up the river 3 m. and camped on the bottom a short distance from the B. at 5.0. Road uneven and crooked Weather pleasant Wind W. gentle Ther 70° Made about 20 m.

Sun 22nd Rained & high wind from the N.W. Stampede among cattle and horses occasioned by tying horses to yokes.

ceased raining wind briskly from N.E. Ther 58° Decamped at 7.0. continued our journey up the river some 16 m over broken and uneven surface Wind blowing briskly all day Dressed the head of the man who was kicked doing well Camped on the prairie some three miles after leaving the river near a ravine contain[ing] water. Grass only tolerable brought wood from the river Made about 18 m. Ther 50°

Mond 23rd Three horses ran off last night Clear & pleasant this morning Ther 42°. Delayed one hour in searching for the stray. Having found the strays rode on at 8.0. passed a small stream in about 3 m. having some scattering trees along its banks. It is probably dry at some seasons except pools.

Two or three miles farther, another of similar character Crossing bad. Mirage very distinct Saw several antelopes at a distance Camped at 6.0. on the prairie near a small pond. Foor grass poor water no wood except what we brought in our wagons. Weather very pleasant road good generally In sight of the bluffs on the 'S of the Platte valley Singing at a camp near. Ther 42° M. 15 m.

Tues. 24th Cool Ther 36 but pleasant Decamped at 8.0. Five miles travel brought us brought us to the plains of the Platte river These are quite levl and the road good. Camped at 1/2 past 4.0. in sight of Ft. Kearney having made about 18 m Wind briskly from the east Ther 52 much the appearance of a

Wed 25 - Commenced raining about 4.0. A.M. Ther 42 Very disagreeable morning Finished my journal to this place and a letter to Elvira that I might leave them at Ft. K. Decamped at 8.0. and moved on in the rain which was very hard accompanied by a strong east wind About six miles travel brought us to Ft. K. Halted some time and deposited my letters Com't of the Ft. Capt. Horton a very gentlemanly fellow. About 63000 cattle have passed this place. Very cold disagreeable day rained most of the time Encamped about 5 on the banks of the Platte. Wood, water and grass. Made about 20 m. Ther 42 Some islands in the river where wood is obtained by crossing a narrow arm of the river.

Thurs. 26th Strong east wind all night continues this morning cold and windy Ther. 44 Very disagreeable all day rain most of the P.M. Wind E. Road muddy Came to a very pretty stream about 14 miles from camping which meandered between the river & road for 1 mile Took water Camped about 7.0. on the plain just after crossing a bad little stream.

No wood or water. Good grass Ther 50° Buffalo signs more numerous Made 20 m.

May 27th Friday Cloudy but some appearance of a clear up
Ther 50^o Decamped at 1/2 past 7.0. Road muddy but tolerably
good Been in sight of the train on the N. side of the river.
Camped 1/4 to 5.0. on the Prairie 1/2 mile from the river.

No wood except brought from a small island near the bank of the river about 1 mile from camp. Water & very good grass. Ther 60

May 28th Satur. Cloudy with chilly S.E. wind Ther 56° Decamped at 8.0. Some rain early in the morning but cleared away tolerably pleasant most of the day Wind E. Traveled within 1/2 mile of the river most of the A.M. Bluffs higher, more broken & more abrupt Some points of timber Cottonwood this P.M. this side of the river camped near one at 6.0. Made 20.m. Good grass water and wood Ther 62°

Sund 29th Cloudy Wind W. briskly Ther 56° Lay by Pleasant all day Spent day in writing mostly Ther 58° some appearance of a storm.

Mon. 30th Cold and gloomy Ther 44° Commenced raining at 1/2 past 5.0. wind E. Rolled out at 1/2 past 6.0. I feel curious to know if the weather is as waxf unfavorable in Wis. as with us. Rained during A.M. Visited Sandhills. Found Crucifera wild sweet Pea & a 15th class plant. Fassed 3 small streams or ravines rather with some wood the first 10 m. & within a 1/4 mile or less of the river bank till 3.0. P.M. Wood along the bank all the way Bluffs very broken came to Bradley's island about 6 m. from camp

Made arrangements to camp with another company containing mome ladies. Camp at 4.0. near bank of the arm of the river passing around on Island. Good grass wood & water. Road good today some portion uneven good grass most of the way.

Ther 56 Dr. Boye lost horses Plenty of cactus

Tues 51st Rained latter part of the night Cloudy this morn Wind E. Ther 52° Decamped 7.0. 20° Clear and pleasant most of the day and quite warm. Ther 70 M.

Party of our company went hunt buffalo. Severe shower accompanied by S. wind & hail Camped at 5.0. near the low bottom 1/2 mile S. of road Found some new species of the 13th cl.

Road more uneven Left the level bottom about 5 miles from last camp and passed over the bluffs where they are smoothed down into a rolling prairie some appearance of lime rock on the bluffs soil becoming quite sandy A species of wild onion very abundant

Made 20 m. grass & water - Another severe shower at S.D. Wind N. Ther 52 New grave -

June 1st 1853. Rained most of the night Cloudy this morning Ther 54. Hunters returned just as we were about to decamp 1/4 before 8.0. bringing an antelope. Commenced raining about 1/2 past 9.0. A M Continued raining all the rest of the day and occasionally a very hard shower.

Camped about 1.0. in consequence near the river just after passing a small island containing considerable grove Cottonwood. There is for some two miles a chance to obtain wood to the right of the road. Made about 10 m. Ther 500

June 2nd Thurs. Ther 52° tolerably pleasant. Decamped at 7.0. continued along the river Road good, grass very good Species of lupine, Mallows, crucifera Weather pleasant all day Saw Buffalo over river. Buffalo chase. Some appearance of storm again Camped by the river about 5.0. P.M. Good grass and water Made 20 m. no wood.

Frid 3rd Cloudy Ther 52° Commenced raining at 6.0.

Decamped at 6.0. Stopped raining about 10.0. Commenced again at 5.6. P.M. having made about 20 miles Sent a letter to Elvira by mail Several new species of plants Road very godd

Grass good all the way Camped at 5 about 1 mile from the middle ford having 20 m.

No wood or fuel of any kind hard bread and milk for sup. Grass and water very plenty as it rains very hard till late in the evening. Assisted Dr. H. in dressing the wounds of a young man who had been hadly injured by the accidental discharge of a gun.

June 4th Saturday 4th Ther 50° flying clouds wind E as it has been for several days. Somewhat cloudy but soon became clear Wind briskly from the S. Continued to rain more or less till dark. Crossed the N. Fork of the Platte finished about M. Camped about 3 1/2 0. having made about 5 miles

The river high, fording difficult. No wood but tolerable grass and water Picked willows sufficient to cook a supper the first cooking in some 3 days. Ther 56°

June 5th Sunday 5th Commenced raining, about 4.0. accompanied with a perfect gale from the N. Some of the tents blew down. As cheerless a morning as we have seen. Ther 50° Decamped about 20 m. of 8.0. Soon ceased raining but wind continued a perfect gale during the A.M.

Ash H. is about 15 or 16 m. from the S. Fork of the Platte at the upper ford and is so named from its containing quite a number of ash trees. It is a very rough and picturesque place. The bluffs are high presenting escarpments of a peculiar variety of lime stone. It is perfectly friable and seems more like mearl mixed with a proportion of silicious sand and becoming hardened when exposed to the sun & rains and appearing to be horizontally stratified.

On these rocks and in the ravines are many cedars.—Juniperus of a scrubby growth. There is at the west end of the hollow a fine spring at the right of the road. Camped at 6.0. near the bluffs having made about 20 m. Ther 70° Pleasant P.M. The country over which we passed A.M. high rolling Pr.

June 6th Mond. Ther 56° Wind W. gentle pleasant a little rain during the night Decamped at 1/2 past 7.0. Found a spring about 1 1/2 miles west along the bluffs. Passed a number of graves yesterday & today one place 7 together dated June 52. Camped at 5.0. near the river having made about 20 m. Grass water no wood but that brought along Road today quite uneven and sandy very heavy traveling till about 12.0. Since across a low bottom which at some seasons is quite miry.

Called at Mr. Hopkins tent. Ther: at S.D. 70°. Some alkali along the route today.

June 7th Tuesday 7th Clear beautiful Ther 50° - Rolled out at 7.0. Road sandy and heavy most of the way. Passed Smith's fork about 2 miles from camp. The plant belonging to the main root. Feed good this P.M. road tolerable Weather warm all day Camped near five on the bank of a small stream which empties into the Platte having made 19 m.

No wood poor grass good water Storm of hail & thunder Wind S.E. Stampede.

Wedn. 8th Pleasant Ther 52° Wind W. Decamped at 1/4 before 7.0. Passed a very fine spring 2 1/2 miles from camp just to the right of the track. Halted at M. in full view of Castle & chimney rocks Passed Lawrences fork about 1/2 pas 1.0. Came opposite Court House or Castle rock about 1/2 past 2.0. This appears like a rude massive building partly in ruins with one wing detached. Camped about 1/2 past 3.0. about 1/2 mile N. of the road grass very excellent water by digging about 3 ft. no wood except brought. Saw case of inflamatory rheumatism.

Ther 60° Fine day.

June 9th Thurs 9th Beautiful morning Ther 56° wind gentle S.E. Mr. H. & family did not get into camp last night. Decamped at 6 1/2 0. About 6 miles travel brought us where Mr. H. & family had spent the night very comfortably except being annoyed by musketoos.

On leaving them started for Chimney Rock a ride of 2 hours brought me to its base. It is a very singular curiosity.

Travelers are very much deceived in its distance from them as well as that of Court H. Rock -- C. Rock is about 2 miles & 1/2 from the principal track though to the unfinitiated traveler it does not seem more than 1/4 that distance. It consists of a base resembling a circular pyramid of about 150 ft. high upon which is mounted a spire or chimeny of about 100 feet in height. The diameter of the base is about 500 yards that of the chimney about 20 ft Composed of what I should judge to be Calcarious & Siliceous sand with an admixture of clay which soft and friable but hardening by exposure not so but that it is easily wrought with a knife.

Finished my observations at 1/2 past 11 Very warm all day.

Camped at 1/4 to 4.0. near the bank of the river. .Good grass and water. No wood except brought. Made about 15 m.

June 10 - Friday 10 - Very pleasant Ther 50 Decamped at 7.0. Weather pleasant and very warm during the day Came to a lodge of indians and a small trading station in about 4 m.

The indians were Sioux.

Dined with Dr. Henry at 10. 0. and received of him a pair of moccasins. Came nearly opposite Scots Bluffs about at M. Took the new road which led to the right & through a pass in the bluffs road fine except through the passwhere it was very rough and winding for about 1 1/2 miles when came on the bottom where it was very beautiful. A small shanty at the entrance of the bluff and a bridge. Teams did not cross bridge. Camped at 1/2 past

4.C. about 4 miles after entering the bluffs near the river and about 1 m. after passing through an indian campment of about 25 lodges and three or 4 shanties for trading and blacksmithing. Some thunder threatening rain.

Some wind but little rain Some of the indians were large. fine looking indians. Several came to our camp Among the number 2 brothers fine fellows and apparently much attached to each other. Good grass & River water but only transported wood. Very warm Ther &8° at 2.0.

Saturday 11th Ther 58° morning fine Decamped at 6.0.

10 m. Road rather low and wet but the soil being compact the wagons did not cut in much. Passed mostly over level bottom during the day. Forded Horse Creek about 1.0. Sent back a letter by a returning train to E. Camped at 4 1/2 o'clock near the river bank. Good grass and water float wood in the river. Ther 72° Mosketos troublesome.

June Sund 12th Clear & beautiful Ther 68° Company lie by as we have heard there will be no chance of crossing Larimie fork in less than a week. Spent day mostly in airing our things and in repairing. Dr. Crosby went on to Ft. Larimie to register train if necessary. Weather very werm. Therefore till about 4.0. wind commenced blowing a perfect gale from the W. Blew down most of our tents. Very calm at sunset and pleasant but quite chilly Therefore

June 13th Rond 13th Calm clear & pleasant Ther 48° Decamped at 1/4 past 6.0. As we passed the main road the plain perfectly whitened with Oenothera Leucocarpa Cacti very plenty

A small species of artimesia Some granitic sandstone in the bluffs as we left the bottom in horizontal strata-

Passed an indian lodge and trading wagon about 9.0.

Passed 2 more during the P.M. Some fine feed during in

A.K. Poor feed this P.M. Threaten storm at 1/2 past 4.0.

Some drift formation Camped at 5.0. near the river having made about 20 m. Ther. 60° Wind W. Called to see a young man with remittent billious Fever. Wood on the river bank, and water poor grass.

Tues. 14th Clear pleasant and cool Ther 52° Decamped at 1/2 past 6.C. Came to the Larimie Fork in about 6 miles where there is a ferry opposite the fort. Found no letters for our company Sent one to Brother and one E. Got one for S.M.B. who passed the 25th ult.mo. Got most of our teams over and started about 5.C. Drove about 2 miles and encamp. on the prairie 1/2 mile S. of the river. Tolerable grass pine wood no water. First drift conglomerate sandstone with the constituent xxxxxx so composed as to resemble gneis. A species of aster. Larimie been in view since yesterday morning with an appearance of snow on its top. Pleasant all day.

Wednes. 15th Cloudy Ther 56° Decamped 1/4 to 7.0.

Cacti & Cenothera abundant. Bluffs drift. Pine in the ravines

L. Peak in full view & species of aster quite abundant Small

artimesia abundant. About 2 P.M. road passed into the bluff

having some pine and red cedar in the ravine 1/2 2.0. arrived at

the warm spring which is about 15 mile from Larimie This is a

very fine spring The water quite warm 66° Very good tasted.

After leaving the spring passed a hard hill There is in the

bluffs here much of the same rock of which chimney rock and

Sootts Bluffs are composed some conglomerate. Passed some

bluffs of drift that were peffect mineral cabinets.

Camped on a high rolling prairie at about 4.0. Made 15 m. no wood very near or water Plenty of wood along the route today and good grass Ther. 84° at 2.0. in the shade 112° in the sun. Saw a Dr's shingle over his grave. Soil over which we have passed today mostly sandy One species of Rudbeckia made its appearance.

Ther 60°

Thurs 16th Pleasant and calm Ther 52° Decamped 20° to 6.C. weather continues very pleasant all day

Wind gently from the (?) and perfectly clear save a few bright clouds that rest along the horizon or float lightly through the air. Country over which we passed very uneven being the route over the Black hills from Bitter C. W. The road has been very crooked most of the time following the valley of dry streams passing over the hills once for 1 1/2 miles about

3.0. Some portion of the road sandy but generally hard & smoothe. Geology Dust some large boulders of granite. Crossed Bitter Cottonwood in about 6 miles travel so named on account of a narrow leaved Cottonwood of a bitter taste which grows along its banks noticed also box alder willow artemisia large thistle Pensteman and wild tulip. The air has been most of the way perfectly loaded with the odor of the artemisia. B.C. is a very pretty stream about 1 rod wide where we crossed Camped 1/4 to 6.0. on the bank of the Horse shoe creek having made about 23 miles. Wood & water plenty rather poor grass Rather barren today but wood all they (?) Pine generally Ther 64°

H. Creek a beautiful stream about 20 ft wide and 2 ft deep bordered principally with bitter Cottonwood some willow current rapid.

June Frid. 17th Beautiful morning Ther 46° S.7.0.

W.E. A very pretty small stream 2 m. bordered with Cottonwood, current rapid Pass up a longhill by a winding road Part of the way a timbered ravine with a small spring run. On the top fine view of Laramie peak Pass 4 other small streams all fine water. Cottonwood a species of Ash and lasa-tegas. After passing the last stream traveled about 7 miles over a very hilly country and a very crooked road but very hard and smooth Equal to McAdam road Crossed at 3.0. on the E Bank of La Bonte river.

Made about 16 miles This is a very pretty rapid mountain stream about 30 ft. wide & 2 deep bordered by bitter Cottonwood Good camping Fine grass wood and water Country presented a barren and broken appearance.

Hill fine gravel with coarser and some boulders with enough of calcarious matter to form a kind of cement when exposed to rain and sun. Plenty of Artemisia at camping ground Ther 64°

June 18th Sat. 18th Beautiful morning Ther 46° The rushing waters and the music of birds Herd of buffalo.

Decamped 20' to 6. Road very uneven about 5 miles ride brought us to some high ridges the apex of which was formed by the outcropping of grey sand stone having a dip to the west of 50° strike E. of N. Between these and a beautiful small stream about 1 rod wide and 1 ft deep there occurs an abundance of red rock of nearly the composition and color of hard burnt red brick though it is a conglomerate the coloring matter is doubtless an oxide of iron.

The disintegration of this rock has formed a red soil of great depth in many places. There is also some spots of white rock resembling somewhat hardened magnesia. The bank of this stream is in many places very high and appearing as if composed of pounded brick. This red formation extends about 3 miles. In some places it is over laid by a greyish white sandstone which gradually runs into it.

Stampede at the creek. Crossed a dry stream about 11 Road very hard but uneven High bluffs on the S. dipping to the N.W. West wind commenced blowing this P.M. some appearance of storm Camped at 4.0. on the bank of A.la Perle a very pretty stream clear water rapid current and about 20 feet wide & 2 ft deep.

Timber on this stream same as on the La Bonte Crossed a small spring run with some timber about 1 mile from camp. Grass tolerable wood and water good and plenty Country rather barren in appearance. Axle to Allens wagon broke. Artemisia abundant Saw Horned toad with a tail Put an axle in Allens wagon this evening.

June Sund 19 - Somewhat cloudy but calm and pleasant Quite warm Ther. 62° Decamped at 6.15 Mr. R. and myself started in advance for Deer creek. Crossed Box Elder Creek a very pretty stream 6 or 8 ft. wide 6 or 8 in dp. about 6 miles About mile before crossing this crossed a very pretty spring run about 2 ft. wide 3 or 4 in. deep a few trees along its banks 3 miles further brought us to Fouche Boise river a very pretty stream some 30 ft. w. 2 ft. d. rapid current and clear water Considerable timber along its banks box elder & B. Cottonwood 5 miles from this brought us to Platte river near which we traveled about 5 miles when we came to Deer Creek a very pretty stream about 30 ft. w. 2 deep. Clear water rapid current considerable timber and said to abound in fish. a huckster shop on its bank Mr. R. and myself took dinner of crackers & Belona sausage. About M. teams arrived about 4 with a broken axle. Pretty hard shower with some hail about 4.0. severe thunder and lightning Geology of the country same as yesterday Very good feed generally At Deer creek there is coal found in connection with a soft sand rock both over and under it that under must [be] the best Did not succeed very well in getting fish Ther 580

Mond 20th Calm & pleasant lie by today Spent day in dental work attending to flowers and writing out my journal Company caught a few fresh fish. Moskitos very troublesome Ther 62^o

Tues. 21. Some cloudy but calm and pleasant Ther 48° Decamped 20 m. to 7.0. Traveled within sight of the river Road very good but considerably crooked Good feed most of the way.

Quite a severe shower with high, wind and sharp lightning just after we got into camp after which it became more chilly Ther 50

June 22nd Wedne. Some rain during the night Cold unpleasant this morn. Ther 30° Wind W. Saw lady on the opposite side of the river from Wis. with a Bloomer. More of less showers through the day with some hail Snow in the hills to the West Crosby brought home an antelope and some of the rest brought some snow Spent day in writing and reading large emigration passing on the opposite side Rumor of difficults with indians at Laramie Cold all day Ther 46° S.S.

June 23rd Thurs 23rd Calm clear and cold. Ther
26° Went hunting excursion came near a buffalo chase. Saw
a number of antelopes returned about 2.0. Ther 72° * (Probably
72° at M. afterwards prob. 50° a Sunset.) Very pleasant all
day Ther 50° spent remainder of the day writing up my journal.

Friday 24 th Very pleasant Ther 32° Cur cattle being recruited continued our journey at 20 m. past 6.C. Passed several small streams and arrived at the bridge on Platte river about 1/2 past 2 P.M. The Toll is 8 \$ wagon 4 y. cattle ? a head for loose stock. Bridge said to cost \$15,000 and is about 200 yds long. Coal in the bank on the W. side of the river alternating with sand rock which as it approaches coal runs into shale Weather very pleasant road sandy Camped at 6.0. on the bank to of the Platte (?) Ferry having made about 22 miles. Wood and water but poor grass. Sent letter to E. by returning trader. Deposited portion of my Journal at the bridge Cactus and Artemisia Th. 66°.

June 25 - Sat. Calm & pleasant Ther 48 Decamped 6.C.

15. The road at this place forks one running along the river the other over what is called Rattlesnake hill for a distance of 10 m.

A small stream slightly alkaline Some 2 m. before coming to this stream passed a spring around which there was a peculiar sediment possessing a soft rather greasy feel and of a white color no bad taste to the water but slightly alkaline Halted 1 m. west of the small stream Poor grass The small stream above mentioned proves to be the Poisonous lake mentioned by guides. 7 miles brought us to Avenue rock Sand rock, dipping to the W. 50 over laying coal. 6 miles farther brought us to a small spring run where we encamped at 1/2 past 6.0. Water slightly sulphurous

Grass very poor Sage for fuel burns finely Wind briskly from the W. Dust awful Made about 25 miles.

Sunday 26 - Pleasant Decamped at 4.C. 15 Rolled on about 7. miles & halted to breakfast 1/2 mile farther brought us to fine spring some 300 yds to the left of road this continues along the road some 2 miles 1/2 mile farther crossed a small stream coming from the right 3 miles farther Fish creek which we cross and continue along the right bank some 2 1/2 miles where we encamp at 20 m. after 4.0. having made about 16 m Grass tolerable Water & sage for fuel. Plenty sage on the way Wind W. dust bad. Country barren & uneven Producing little else than 3 species of Artemisia Ther 68°

June Mon 27 - Clear, wind a gale from the west Ther 70° Decamped 1/2 past 6.0. Past Granite hill - first I have seen in place Saleratus lake containing about 1 acre & any amount of Sal. 4 miles to Independence rock granite 700 yds long 209 yds wide and perhaps 60 or 100 feet high. Crossed ford in 1 miles and passed on. Halted at M. near the Devils gate an awful place in a mountain of granite through which the Sweetwater runs.

Height of perpendicular rock about 300 ft. Camped for the day on account of the wind and dust which perfectly awful.

The wind was also very cold being rather uncomfortable riding with great coat and gloves.

Tues. 28th Rather more pleasant but wind still continues brisk. Ther 34 Decamped 1/2 past 6.0. Some Snake indians over the D. Gate and a trading post Passed several small streams

during the day Country barren. Alkali lake of about 20. acres. Saw a returning California train. Camped at 1/2 past 6.0. on the bank of Sage creek a small stream Grass tolerable Wood and water Made 16 m.

Medn June 29th Cloudy but quite calm & cool. Ther. 42^o Decamped at 1/2 past 7.0. Passed two small streams this A.M. Our route lay along the river frequently in sight until about 2.0. when we passed up over the bluffs a very heavy sandy road leaving the river to the right just before leaving the river passed a small lake to the left waters of which are said to be salt.

Saw a company from Wis. The day has been tolerably cool with a tolerably brisk wind from the W. Road quite heavy Caught the first sight of the snow capt peaks of the Rocky mountains.

June Thurs. 30 - 1853. Calm and pleasant but cool

Ther 30° Soon after leaving our encampment yesterday morning
enterorping of sandstone shale and on the may some bluffs of the
passed any same rock as that of the Stone Tower &c. Our encampment
last night was on ground containing a good deal of of the
alkaline efflorescence Rolled out at 7.0. 10° Came to the
Sweetwater about 1 m followed the river 2 miles passed up over
the bluffs about 6 miles brought us to Alkalie swamp & ice
spring Thus far somewhat sandy Road this P.M. hard and
gravelly. 14 miles from the ice springs brought us to the river
where we crossed and encamped near the west bank at 6.0. Poor
grass. Sage & Buffalo chips for fuel.

Went to vis. a lady & gentleman and sick Lady Mrs. Downie.

Obtained some snow south of the road. Snow capped peaks of the Rocky mountains in full view most of the day. Pleasant during the day & quite warm. Ther 56°.

July 1st Frid. 1st Cool Ther. 52° Chilling brisk wind from the west. Passed a long hill 4 miles brought us to the Sweet Wagain (Decamped 1/4 before 6.0.) Passed up the left side over a Sandy hill to the stream again Halted about 9.0. near the river where there was some good grass to allow our animals to feed. Rolled on again at 1.0. Passed a small creek near the river bank about 5 m. from our noon halt left the river and passed over a high hill which was considerably rough passed a swamp or low ground and small stream 3 several small ponds of water just to the right of the road Encamped at 6.0. near two small streams having made about 19 m. Good water and grass Sage for fuel.

Sand rock and diluvial formation till leaving the river.

Soon after raising the hill came to an outcropping of very compact limestone dipping to the N. 50° with a strike of nearly N. & S.

Soon passed several outcroppings of sand rock and lime which seem to alternate with each other dip and strike about the same.

Soon after passing these we came again to the primitive formation, granite quartz. Micaslate & hornblend rock Road very hard for cattle and very uneven Found several new species

of plant among which was a most splendid specimen of Dodecatheon and a Lupine Cold all day with a brisk west wind of dust. Ther 46°

July 2nd Frid. Ther 39°. Clear with a brisk wind from the west Rode in company with several others through some ravines found plenty of snow and many fine flowers. The white Mountain pink arrant abund. A very beautiful scarlet flower a species of white clover and of dandelion. Flora is again more bountiful with her gifts. Passed Strawberry Creek a fine stream of clear water 2 m from camp during A.M. Passed more small streams respectively 1, 3, & 2 miles apart each having some willow or poplar or both along their bank. Noon halt 2 m. from last stre. P.M. came to S. water in about 3 miles, near by some Snake indians and traders. Road fine for wagons but hard for cattle being composed of gravel and sand of quartz. Mica slate & hornblend. Mica slate the principal rock outcropping at the top of all the bluffs Camped at 6.0. Poor grass no water. Sage for fuel

Sund 3rd Pleasant Ther 42°. Wind W. Dec. at 7.0.2 hours travel brought us to the summit of the S. pass 2 m. farther to Pacific springs wher the water first begins to make its way to the setting sun. Camped about 3.0. 2 m. west of the springs Poor grass good water sage for fuel Bought some medicine of a Doct Morton whose acquaintance I made at the springs and who in connection with his brother are keeping a trading station. They are from St. Louis & are both perfect gentlemen. Very pleasant. Ther 44° Passing the summit I

found again a compact variety of limestone lying in abundant fragments but saw none in situ but have no doubt it constitutes the basis of the hills in this region. On the left of the pass the hill is covered in patches with pines.

July 4 - Mond 4 - Very pleasant & calm Ther 56° at 6.C. Quite warm during the day Ther 80° at 5.0. Our route today has been through sandy and rather barren section of country there being but little else than Artemisia

Road good and quite level Camped at 5.0. just after crossing a small stream near which we had been traveling most of the day. The water of this stream is strongly impregnated with a salt of lime and its banks are whitened with a deposition.

Crass tolerable Sage Saw case of typhoid fever.

July 5th Tues. 5th Pleasant somewhat cloudy Wind E. quite warm Left camp at 6.0. 12 m. Road level but sandy

Reached Big Sandy river at 11.0. for 10 rods wide 2 or 3 ft.

deep water turbid Sandstone shale along its banks containing

vegetable impressions Lamina generally straight and horizontal

but sometimes contorted Fish in the stream 6 miles farther

along this stream brought us to the ford Crossing tolerable

water about 5 ft. opposite bank steep Camped at 3.0. at the

ford Day pleasant W.W.

July 6th Wed 6th Crossed the river at 6.0. in safety I rode back to see a sick young man but did not find him 9 miles from the ford came to the river again where I met a pack train of returning emigrants by whom I sent a letter to Elvira Found

our company about dark encamped near the junction of the Sandy & Green river.

Road quite level sandy the sountry a barren appearance but little other than sage and some other shrubs. A new species of cactus red blow. The day warm with but little wind W.

July 7 - Thurs 7 - Calm and scmewhat cloudy Wind W. Decamped 1/4 past 7.0. arrived at the ferry at 9.0. Green river is about 16 rods wide a swift current and too deep to ford except by loose cattle. Some Populus augustifolia on its banks.

referry about 3 miles above the junction with the Sandy. Had a good deal of difficulty in getting cattle over. All over and left the river about 4.0. and encamp about 3 miles below. Wood & water grass tolerable Remained 1 hour to find the train but did not find it again. Put up near supdown with some young men.

July 8 - Friday 8 - Very kindly entertained last night.

Cool Cloudy Mosketos very troublesome Found our train about M.

or rather they found me. Some very small showers of rain W.S.

road good somewhat uneven Country barren producing little else
than Artemisia & Ohenopodaceous shrubs.

Soil sandy & high sandy bluffs. Some sand rock strata horizontal much like that along the valley of the Platte camped about 5.0. on the bank of Blacks Fork having made about 16 m.

Willows and Sage bunch grass some distance off Good water.

July Saturday 9th Weather pleasant wind W. Ther 52° at 5.0. Rolled out in tolerable season came to the ford in about 6 miles Crossing good This stream is about 6 rods wide and some 3 ft deep rapid current and bottom and shores rather soft Cur road during the day good but somewhat uneven and very dusty Wind W. Some sand rock in the bluffs horizontally stratified Formation drift. Very similar to what occurred in the upper part of the Platte Valley Camped on Blacks fork about 1 1/2 miles to the left of the road 3.0. P.M. Made 15 m. Very warm.

July Sund 10 Pleasant but somewhat cool Ther 350 at S.R. Decamped at 1/2 past 6.0. Charlie horse drowned about as we were starting, nooned about 1 m. west of a muldy stream about 2. r. wide Some good grass on the route appearance of the country less barren. Sage & chapparal called by the Mexicans chimise Drift bluffs containing sand rock horizontally stratified Fibrous carbonate of line? on the road. Drove about 16 m. this P.M. no water for the whole distance Camped at 7 1/2 near Ft. Bridge (or Fridgen) made about 24 m. Very warm day Ther 90 at 10 A.M.

July Mond 11 Marm Ther 60 Wind briskly from the W. Decamped at 12 M. Road good but rath. uneven ascending long and gradual but high hill. Plenty of sage & some very good grass on the way Passed a good spring and a small stream 5 m. beyond which we encamped on a small stream having made 10 miles. Sage Good grass and excellent water. A very slight shower. Two small kinds of ground squirrel for some distance back also prairie dogs occasionally.

Tuesday 12 - July Clear & pleasant Ther 50° Decamped at an early hour but detained on account of some two strays One 1/2 miles travel brought us to Muddy Fork which is very much a misnomer as it is a pretty stream about 16 ft wide 1/2 ft deep clear water & a pebbly bottom About 3 miles farther brought to springs called by the guide Copperas or Soda springs In one the water had a peculiar acid taste somewhat resembling the sautase spring at Ballston. Ascend a long hill road smooth This is the dividing ridge between the waters of the Colorado and the great american Basin.

The descent is steep and somewhat difficult 1/2 mile from the bottom in an Aspen grove at the left of the road is a spring of clear cold water from the foot of the hill you wind along among hills by a small sluggish stream not good for 1 1/2 m.

2 m. father is sulphur c. about 10 ft. wide & 1 deep water turbid. Encamped at this place at 5.0 good grass water & Sage, near this place in S. direction from where the road crosses the stream is a fine spring a little to the E. is a sulphur spring 1 1/2 miles

S. is a Naptha spring and near is said to be a bed of coal.

Groves of aspen & considerable Juniperus on the sides of the mountain along the route, an abundance of Sandstone some red and near camp an outcropping on the hills of conglomerate.

An abundance of a fine red flower cranes bill Amemone Utah mounts, covered with snow to the S. Sage cock Day pleasant gently W. wind Ther 440

Wed 13th Clear & pleasant but cold Ther 260 Decamped at 7.0. 1 3/4 miles brought us to Bear river & rods wide 2 ft deep numerously divided by bushes and small islands. Water clear current rapid. Some 4 m. farther brought us to a fine spring on the left of the road 5 m. farther to the crossing of yellow creek Just before crossing which we passed a ledge of conglomerate rock terminating in turrets on the right About 6 miles brought us to Cache or echo cave. This is an opening in the sand rock about 40 feet deep looking from the road like a large dutch oven. Between this place and Bear river we pass .two high hills Encamped about 2 miles from the cave along echo creek or rather echo hollow as there is not much of a creek Good grass & water no wood very handy Day pleasant Wind W. gentle, land more productive fine grass Geraneum maeflax Anemone Sengenisia one resembling in smell opium and in leaf the dock. Very little sage since leaving Bear river. A patch nott grass Bed sand rock along the way Ther 460

Thur. 14th Ther 26° Clear & pleasant Decamp. 1/4

to 6.0. Our road this A.M. level but somewhat winding

passing down the valley of echo creek which we are often

compelled to cross on either side are hills rising from 1 to

200 ft. very steep the base of which is sand stone and conglomerate mostly red and appearing as if combined promiscuously -
the sandstone sometimes overlaying and sometimes underlay take

and sometimes occurring in detached from the conglomerate

conglomerate Strata nearly horizontal for 5 or 6 miles when

it begins gradually to dip to the M. W. Cutcropping more

abundant in the N. ridge than in the southern. Nooned near the boiling spring - water clear & cold. Continued our journey crossing echo creek 17 times some of which were very bad. For some two miles the sandstone became horizontal which seemed to overlay the dipping strata as it soon made its appear. beneath the horizontal strata which as we advanced entirely gave place to the dipping strata. Dip being at an angle of 20° with the horizon to the N. W.

This P.M. the mountain increases in height, and on the W. is nearly perpendicular having on the side cedar. Some of the way the valley of the creek was narrow and along the stream filled densely with willow Gooseberries hop Euchron grandiflora and several other species entirely new to me Made camp at 1/2 past 6.0. on the red fork of Weber river just below the junction near which there is a Settler. Ther 86 M. 48 S.S.

July Frid 15 - Ther 34° pleasant Decamped at 6 1/2 0.

Travel down W. river bordered on each side by high hills on the N. Disintegration has softened the ledges of red sandstone into abrupt hills except here and there a pinnacle. To the ford & ferry. W. River is a very fine stream bordered with Cottonwood is about 4 rods wide and on an average 2 ft deep with a rapid current and rough bottom. Ferried \$4.00. Noved on about 2 miles and encamped about 11. 0. on a small spring rill where we remained the P.M. Along this stream willow & crataegus

Ther 38° at 1.0. 46° S. S.

July 16th Sat. 16th Some cloudy calm Ther 42° Decamped at 6.0. 6 miles down a small creek brought us to large canon creek which we crossed 12 times in 6 miles. This creek is about 10 ft. wide & 2 deep having along its bank plenty of willows & hawthorn and some groves of cottonwood. Following this 6 m. we turned to the right up a smaller canon through which passed a small stream. This canon was very narrow and much gullied by the stream so that the road was exceedingly bad. Passed 2 m. up and encamped. Wood and water plenty but no grass except on the sides of the mountain which is too steep almost for anything but a mule or mountain sheep. Day only tolerably warm. Plants Solidago scrofularia. Pop. trem. Sent back a portion of my journal and a letter to E. by some packers.

Sunday 17th July Some little rain last night some sprinkling this morning cloudy but warm and sultry Decamp at 7.0. Our road continued on through the canon and upwards for about 2 m. when we came to the summit of the hill.

Here a scene presented itself the wildest and most picturesque I had ever seen. A portion of Salt L. valley in view. The descent from the hill was through a canon and was very steep and difficult 1 3/4 miles brought us to Browns Creek a fine mountain stream about 6 ft wide and 1 ft deep Passed down this through groves of timber about 3 miles to where the canon began to widen and the mountains to be less steep and finding tolerable grass encamped for the day about 11 A.M. Weather quite warm Trees & plants are Populus Trem. Pinus. Sambucus can. Heraclium Sanatum Maple viaburnum willow C. wood & service berries oak.

Mond 18th Some rain last night Pleasant this morning continue warm through the day some thunder during the day Crosby and Ward went to the city about 12 m. distant yesterday have not yet returned Spent day in writing up my journal. C. & W. back at S. Set. Warm.

Tues. 19 - Warm & pleasant Decamped at 1/2 past 7.0.

Mr. Hopkins leaving the company. Our road lay over a steep
hill and through a deep narrow canon in which we crossed a small
creek some 15 or 18 times Mountains increase in height as we
approach the mouth of the canon About the middle of the canon
is an outcropping of Argillite near the mouth volcanic rock
scoria &c Camped at the mouth of the canon at 1.0. Water &
wood but poor grass and only on the mountain. Maple & black oak.

July Wedn. 20th Pleasant & warm Spent the day in the Great city of the Salt Lake. Dined at the U. S. Hotel by Little.

Attended theatre in the evening. very good music and performance pretty good.

Thurs 21st Very warm Left S.L.C. about 7.0. overtook train about 11.0. Weather very warm Ther 96° in shade at 3.0. P.M. Crossed numerous mountain streams & encamped @ 6.0. near a fine mountain stream Grass water & wood Saw little boy with Scarletina Anginosa

July Friday 22nd Cloudy W. E. Ther 72^o Leaving our encampment at 7.0. traveled about 4 1/2 m. and encamped on the bank of Weber river, where the feed was very fine intending to make a short halt to allow our cattle to recruit Day very warm

Just at S. S. a storm of wind from the W. which soon turned to the E. and blew a perfect gale all night becoming quite chilly.

Sat. 23rd Chilly wind blowing a perfect gale from the E.

Sund 24 - Pleasant very warm Wind E. most of the day

For the last two nights wind has blown a perfect gale from the

E. Very warm Ther 90

Mond July 25 - Pleasant & warm Wind E. Passed several small streams and a small collection of houses called Ogden city near a fine stream of the same name.

Road rather level but hard on cattle feet. Camped about 1/2 past 4 0'clock.

Tues 26. Clear & Pleasant warm through the day Ther 94° at M. 1 1/2 miles travel brought us to mineral hot springs near a large upheaval of quartz rock Temp 126° Fah. impregnated with Oxide of iron and Chloride of sodium.

6 miles farther to willow creek a very pretty stream of clear water rapid current along its banks willows 6 m. farther to Box Elder a very pretty stream along which there is Cottonwood box elder & willow. Encamped on its banks about 4.0. having made 13 miles. Saw Eupatorium, milkweeds yarrow.

July Wednesday 27th Weather pleasant warm 96° at M. Road tolerably level passed the last settlement this A.M. 10 miles brought us to mineral springs some 20 in number.

All impregnated with Chloride of Sodium more or less and some with iron Temperature ranging from 60° to 130° The hottest to the S.W.

Wed. 27th 8 miles travel this P.M. brought us to Bear river 3 miles before reaching which pass a spring of fine cold water - Camped at 4 1/2 O'clock near the B. R. good grass Sage fuel Made 18 miles.

Thurs 26 - Ferried Bear river and continued our march about 9.0. Bear river is about 6 rods wide, deep, and water turbid Current moderately swift. 2 1/2 to Mud or Mallard Creek a sluggish winding stream, crossing very bad About 3 miles farther brought us to a spring a short distance to the right but the stream running across the road. About 1 m. farther is a warm spring at the S. side of the road at the point of a hill. Our guide spoke of a spring about 1 1/2 miles beyond the warm spring, this we did not find and were compelled to travel till 9.0. where we put up about 3 m. from Blue springs, the road has been very good but slightly uneven Passed up a long a gradual ascent. Fine grass all along the route. Neither wood water or supper tonight

Wild sage tolerably abundant in places Saw some 1/2 DoZ. girls with bloomers from Wis.

Frid. 29 - Cool but pleasant Rolled on this morning at about 4.0. Took break[fast] at Blue springs. The water of these springs has a temperature of about £0° They are about 30 in number and the water has an insipid taste will do for stock but is not 5000d to drink. After breakfast rolled on to Hensels spring where we arrived about 2.0. and camped for the day. This is a very fine spring about 1/2 mile to the left of the road Water little insipid Near this spring obtained some rhombic pearl

spar & radiated gypsum with compact lime rock.

Road somewhat uneven Very warm.

July Sat. 30th In consequence of the hot weather rolled on this morning at daylight Three miles brought us to a sage plain 3 m. farther to Deep creek a narrow deep stream winding along through the sage plain about 6 m. when it sinks into the plain Road continues along the stream to the sink. Encamped about 6 miles beyond on the sage plain at 4.0. No water or grass The road has been very fine but dusty. Weather pleasant but very warm Ther 100° at 2.0. Had the misfortune to lose my plant press some how unaccountably containing some fine specimens.

Sund 31st Made a very early start as the animals had neither grass or water during the night Walked about 5 miles in pursuit of some of our horses that had taken the back track. 4 miles from camp brought us to Pilot springs. Water tolerable though not abundant 7 m. farther to a spring of good water on the mountain Moved on about 4 P.M. 2 m. passed small spring run. road uneven and gravelly 8 miles from camp brought us to a beautiful little mountain stream on which we halted for the night Wind briskly from the west but very pleasant.

Mon. Aug. 1st 1853. Cool Ther 42° lay by till M. to set wagon tire Decamped at 12 M. in 1 1/2 mfles crossed Stony Creek a mountain stream about & ft wide 1 deep near this are several other small streams. 12 miles from the above brought us to a stream about 12 ft wide and 2 ft deep Willow along its banks.

Some 2 m. previous to the De Cassure passed a small stream.

Rather a barren sage plain till within a short distance of the

stream. Camped at 6.0. Good grass & water and willow The day pleasant but warm.

Tues Aug. 2nd Somewhat cloudy Ther 520. Decamped at a late hour in consequence of some horses having strayed. Our road lay along the valley of De Cassure creek about 6 miles crossed three times two crossings bad, fish in the stream - trout. Leaving the above creek crossed over a high ridge to the junction of the S.L. & Cal. roads about 1 m. west of Pyramid circle which is about 3 m. wide by 5 m. long surrounded by mountains composed principally of gray granite with many high pyramidal shaped rocks Road passes through the circle. Travded 3 1/2 miles farther and encamped at 5 1/2 0. on a small mountain stream Road uneven and much of the way stony. Quite warm till about 3.0. cooler

Thurs Aug 4th Clear but cold. Ther 25° Continued our journey up the river over a road somewhat uneven but very good Passed some two or three small branches that were rather bad Entered a canon about 3.0. up which we traveled about 5 miles along the south branch of Goose creek where we find a good spring At this point the road leaves the stream and passes over a very rough stony hill. Encamped about 2 miles from the above spring. Plenty of sage but no water or grass The day has been warm Ther 90° 1/2 past 10.0. The rock along the route with few exceptions has been a kind of perforated or porous hornblend evidently of volcanic origin Through the canon was some basaltic trap The country aside from the valley of Goose creek is hilly and mountainous and covered almost entirely with fragments of the above mentioned rock but little or no vegetation.

the day becoming very warm Ther 96° in shade Rolled on at an early hour our animals having neither grass 10 miles travel brought us to spring valley where we stopped for breakfast near rock spring at the right of the road. Water rather warm but otherwise good -- Moved on 2 m farther and encamped near the branch from this spring. Sage planty grass 1 1/2 miles in the hills south. Road today until the valley winding and uneven and some places very stony Country uneven producing little but sage.

Sat 6th Pleasant & cool Ther 34° Wind W. Continue our journey up the valley road level and good some grass along the route 10 miles brought us to a range over which we passed 2 m. into a second valley having a more fertile appearance and through which passed in a N. E. direction a stream containing at present water only in places and that seeming to be supplied by slow springs at the bottom - Continue down this this valley some 6 miles & encamped near the stream 3 1/2 0. Water tolerable grass very good and sage Weather has been warm Ther. rising to 20 at M. Ward traded for a pony Road very dusty and our men suffer very much in driving cattle the wind blowing dust in face.

Aug. Sund 7th Weather pleasant warmer than for some time Wind W. Decamped at 6 1/2 C. Continue up the valley some 17 miles when we passed into a ravine The creek on which we encamped continues nearly the entire length of the valley.

Some from our encampment came to a good spring and near by a number of mineral springs in which the water is quite hot 140° said that some of them are 180 impregnated with sulphur and some other minerals. Some 5 miles brought us to a spring run. the spring 3 miles further in the ravine.

This valley produces much good grass The day has been pleasant Wind briskly from the W. and pleasantly cool Very dusty Encamped in the mouth of the ravine at 4.0. Water poor grass & Sage.

Mond 8th Quite cold Ther 42° Decampedat 20° to 7.0. passed on up the ravine several springs along the route reached the dividing ridge in about 2 m. road smooth but

hard and gravelly over the ridge came into a valley containing fine feed Just before reaching the valley road forks Some 2 or 3 miles brought us to a canon through which passed a stream, fine stream, handsomely bordered with willows About midway of the canon there were some warm springs temp. probably over a hundred boiling from under a lime rock which dipped to the N.E. 45° a portion of the way through this canon the rock is argillite Cedar on the mountains 6 miles from entering the canon passed into a fine valley with an abundance of fine grass and encamped on the above mentioned stream 2 miles from the mouth of the canon Excellent grass water & fuel. Soledado reflex & Aspera, Sage.

Aug. Tues 9th Pleasant but cold Ther 44° Traveled through a valley which was a splendid meadow. Through this valley passes a branch of the Humboldt along which there is considerable willows Encamped on the head of the Humboldt at the ford. Along the stream mentioned there is plenty of cicuta made about 20 m. The day has been very comfortably cool with a gentle wind from the

Med 10th Clear & calm but cold Ther 28^o Decamped at 7.0.

About 6 m. forded the Humboldt continued our course down the valley Encamped on a mountain tributary at 6.0. Fine grass Sage

Thurs 11th Aug. Clear and pleasant but cold. Ther 26° Felt some anxiety in regard to J Ringer who went to the river fishing yesterday P.M. and did not return to camp last evening Riley & myself went back in search and learned that he had

crossed the river and taken a cross route. We got back to the train about 4.0. found Ringer with them. The stream on which we camped last night was about 6 ft. wide & 2 ft deep rather bad crossing The road during the day was some uneven and a small part of it stony & very dusty. Crossed several very beautiful mountain streams with crystal water and pebbly bottom wh. have their rise in the snows of the Humboldt mounts. Encamped on one having made about 15 m. Fine grass wood and water. These streams all have a fine border of Cottonwood and some willow Among the plants I noticed Soledago, a species of Aquilegia and of Aconitum Day warm.

Friday 12th Pleasant & calm cool again probably 380 Had the misfortune to break my thermometer Decamped at 6 1/2 0. Passed several fine mountain streams during the first 2 hours Our road then bore off from the mountains over a rolling hilly sage plain entirely destitute of water but containing some grass Compelled to make our M. halt without water after which some 3 or 4 m. travel brought us to a most splendid mountain stream about 3 rods wide and 2 ft. deep. Water cold and perfectly transparent After leaving this we ascended a mountain on which was grown cedar about 1 m. on the other side of which we again struck on to a sage plain which was a perfect barren except the sage I judged this plain to be about 12 or 15 miles in width about & or 10 miles after striking this plain discovered a very fine valley containing good grass and some spring water in a dry stream Encamped in this valley about 7 1/2 o'clock having driven some 24 or 25 m. Weather warm dust exceedingly

bad. Sage. Fell in company with a man from the Cherokee nation who presented me with a gun holder.

Sat 13th Pleasant but cold W.W. Decamped at 8 1/4 0. after crossing the remainder of the plain (5 m) passed over a low ridge of mountains -- some several miles In these mountains are some springs also on the plain beyond also tolerable grass Some 3.m. west of these springs we pass down one of the longest and waste hills we have had on the route into a canon containing water and willows Encamped at 5.0. Sage & good grass Day warm dust awful.

Sunday 14th Morning cold probably 36° Clear & pleasant
Decamped at 7 1/2 0. Rolled on through the canon some 5 miles
to the beautiful valley of a small stream some 4 ft. wide and
in depth in which we camped for the day Weather became very warm
Called in the evening to see a sick little girl, bled a woman.

Aug Mond 15th Froze considerably hard but clear and pleasant this morning. Decamp at 7 1/2 o'clock continued a short distance up the valley of the stream when we turned to the left and wound over and through a range of the Humboldt mountains the most laborious road that we have yet traveled. P.M. Continued our journey through a section still more rugged than this A.M. Road led mostly through deep canons some of which were very bad and stony, till we reached the valley of the H. down which we passed about 3 miles. Encamped at 6 1/2 0'clock on the bank of the river Tolerable grass, willows.

Tues. 16th Not as cold as usual Decamped at 8.0. 20° road continued during the day along the river bottom Halted some 3 hours at M. Encamped on the bottom at 6 1/2 0. having made about 14 m. Good grass and wildcolover Willow & Sage Abundance of greasewood having a yellow blow & a plant belonging to the crucifera resembling mustard

The day has been excessively hot & road most of the way very dusty.

Aug 17th Wedn. Cloudy but pleasant quite warm last night more so than it has been before in some time Decamped at 1/2 past 7.0. traveled along the river bottom grass fine most of the way, bottom wide. Cloudy most of the day and warm till about 4.0. when it commenced raining had a smart shower Camped at S.S. having made about 20 m. Grass willow & greasewood Saw a man with Erysipelas.

Thurs 16 - Cloudy and some rain during the A.M. road continued along the river bottom a part of the time over the sage plain bordering the bottom - made a late camp in consequence of difficulty in finding camping -- good grass sage & river water.

Friday 19th Pleasant & cool Decamped at 7 1/4 0.

Continued most of the way on the bottom Came to a ford about
2 0'clock and crossed over to the N. side Got over about 5.0.

Got one wagon in box floated off and all the things got wet.

Lost nothing but a bolster to the wagon. Encamped 5.0. near the
ford Grass and willows The day has been fine & warm

Aug 20. th Satur. Cool this morning but pleasant. Lie by to dry what was wet by yesterday accident, very warm most of the day Our camp presents the appearance of a large washing establishment Some snow in the mountains to the S. E.

Sund 21st Weather pleasant and very hot during the day Our road lay apart of the time near the river and a part of the time over the sand bluffs. Encamped at about 5.0. on the bank of the river. Tolerable grass & sage. Numerous aquatic flow fowl along the marsh bordering the river.

Tues. Aug. 23 - Cool but pleasant continue down in sight of the river passing most of the time over the points of the bluffs where the road is for the most part very sandy Encamped at 1/2 past 3.0. near the river Grass poor Sage plenty Some row in camp about the new route to Shasta.

Mednes. 24 th Pleasmat and calm somewhat cool at S. R. Decamped at about 8.0. road passes over bluffs for the most part heavy sand on the road - Eight miles travel brought us to a trading post where the road leaves the river for some 15 m.

Camped at this place during the P.M. Dr. Crosby received letter from his brother recommending the Shasta route. Also met two old acquaintance Canton & Hendricks who received him very cordially Started from this place at 1/2 past 6.0. for Lawsons meadows a distance of 20 m. being no grass or water near. The road dusty and stony Sage & greasewood. Arrived about 3.0.

A.M. & encamped for the day Grass poor & Sage poor.

Thursday 25th Pleasant & warm very warm during the A.M. Several trading posts near Among the rest that of Capt Jane Shed a woman who dresses in mens apparel She is probably about 40 yrs. About 3.0. a man by the name of Wheelrock from Wis. was drowned in attempting to cross the Humboldt river, he had no family. Some appearance of a shower which soon blew over with no rain except in the mountains.

Friday 26 - Cloudy but little wind Decamped in tolerable time. 4 miles travel brought us to the junction of the Carson & Shasta route where several of our KNINIMINE company left the train. Church Buchanan Morrison Hatch Clark. Left the junction 9 1/4 0. about 8 miles there is some willows to the right of the road and a little grass four miles farther brought us to the Antelope spr. at the left of the road where we watered and rolled on two miles farther to good grass in a ravine 3/4 of a mile to the left where we encamped 5 1/2.0. The day warm & road very good The rock along the route Argillite and quartz resembling the gold bearing.

Sat Aug 27th Some sprinkling of rain Wind W. cool & pleasant Decamped late at 1/2 past 9.0. in consequence of watering our horses at a small spring on the side of the mountain 1 1/2 miles to the left of the road -- sufficient for cooking purposes or a few stock Our road somewhat uneven but very good. Country barren producing nothing but sage & no water till we reached Rabbit Hole Springs a distance of 16 m. These springs are several holes dug in the ground containing water sufficient for some fifty head of stock but they should be watered in

buckets No grass some two miles before reaching these springs there is a well containing water 1/2 mile to the left around a point of a hill along the ravine a little grass No place to camp Took supper watered our animals and rolled on at 7.0. P.M. for Blk. rock spring about 20 m. distant. Arrived about 4 1/2 0. A.M. of

Sund 28th The road this distance was level and fine for some 6 miles the last of the route is perfectly a pare plain not producing even sage or grease wood. Some five miles before reaching the spring came to a slough containing salt water bad, crossing. Cattle will drink a little if very thirsty. Any amount of the bones and carcases of animals along the route. B. R. Spring is large furnishing a large quantity of water which is at the spring about 180° impregnated with lime iron and probably magnesia the water is good tasted and when cold in the run is very good for stock.

Some grass in the marsh below the spring and good feed about 2 miles to the west on the Yreka route. Near the spring is a mountain of Basaltic rock from which the spring takes its name.

Obtain some fine specimens of chalcedony - lay here during the day Greasewood & some sage for fuel Smart shower this morning accompanied with thunder, very warm during the day.

Mond 29 - Pleasant & cool Decamped at 7.0. Road today over a perfectly level plain Mirage abundant. The day comfortably cool. Encamped at 7.0. P.M. near the mountain on a

small stream called Granite creek from the mountain from which it runs being composed almost entirely of granite Water very good Stream small Sage tolerable grass.

Tues 30 th Pleasant. Wind W. Decamped at 9.0. continue along the same plain 5 m. where we came to a collection of hot mineral springs varying in temperature from about 100 to 212. These were in a constant state of ebullition one about 20 ft. in diameter, constantly so From this place road passes over a rather broken sage plain near the mountain on the E. composed of basaltic rock. 9 m. from the hot springs brought us to Deep springs where there is an abundance of water and good feed & Sage near. These springs are numerous and very deep Water cold and good tasted Indians have committed some depredations on some packers the previous night.

The day has been tolerably warm Brisk W. wind P.M. becoming colder Another case of Erysipelas. Ward went back, after Riley.

Wedn Aug 31st Quite cold last night & this morning. Clear, wind W. Decamped 1/4 before 8.C. Our road lay along the same Salt plain for about 9 m. when we bore westerly over a plain covered with sage & grease wood to Buffalo springs a distance of 9 m. making in all 18 m. Encamped at these springs or only halted Water good but rather scarce Grass 2 1/2 miles to the right towards the mountain. The day has been cool with a brisk wind from the W. Water and grass so insufficient that after taking supper concluded to move on to the next place said

to be 14 m. Our road for five miles continues over sage plain when we came to Saline ponds on each side leaving these we passed over a succession of hills containing little else than sage 5 m. farther to Smoky hollow & creek here we passed into a canon which we followed till we came to the valley a distance of 4 m. Riley and I with some loose horses groped our way through and reached here about 1/2 past 3.0. The teams stopping in the canon.

Thurs Sep. 1st Teams arrived and encamped about E.C. A.M. Fine grass and water Sage Rocks through the canon in the mountains generally basaltic Had the misfortune to lose my gun which I recovered again after some search. Lay at this place during the day to rest ourselves and our weary hungry animals day pleasant. Wind W.

Friday Sept 2nd Pleasant some flying clouds with wind We remained in camp Quite cool at the close of the day. Fine place to recruit stock.

Sat. Sept. 3 - Cold pleasant Wind W. flying clouds

Decamp at 7.0. 20' Our road continued up the valley which is on
an average 1/2 m. wide furnishing an abundance of fine grass and
water by a fine little stream which we crossed frequently 3 m.
from our camp the union of two small branches form the main
stream the S. W. one up which we passed running through a narrow
canon we were compelled to pass over a hill very rough with the
fragments of basaltic rock which occur everywhere in this region
Continue up the narrow valley over a level road about 5 m. where
we made our noon halt Passed over a sage plain very slightly

elevated to Willow springs 6 m. where we encamped having made 14 m. Good grass and tolerable water but not very plenty But little fuel.

Sund Sep. 4th Quite cold last night considerable frost but very pleasant Decamped at 20° to 5.0. Passed over 2 ridges a distance of about 14 miles About midway of this distance there is a small valley in which is a saleratus lake to the right of the road around which there is some grass Fourteen miles brought us into the foot of Honey Lake or Susan valley First in this valley we passed a sage plain of sand about 2 miles in extent After which we came on the bottom land & passed up 4 m. and encamped by the side of the stream about 7.0. fine grass & willow. About 10 miles of our road has been very stony with volcanic stone.

Saw the snowy peaks of the S. Nevada. Heavy forest on the mountain.

Sept 4th Many indians in the valley and some report of their committing some depredations. Several species of new plants, Oats.

Mond. 5th Very cold this morning Large number of indians about camp and manifested some hostile intentions as we were about to leave camp. Our road lay up the valley mostly over sage plain near the bottom land to near the head of the walley where we encamped on the Honey or Susan river a very pretty stream bordered more or less with willows and as you approach the mountains with Cottonwood. This is a beautiful valley abounding in fine grass Its direction is nearly E. & W.

Tues 6th Cold during the night very pleasant Decamped 1/4 to seven. one mile brought us to the mountain Crossed the stream that passed through the valley just 1/2 mile before reaching the timber where we commenced the ascent, which is remarkably easy.

About 12 m. from the above stream came to a very fine spring and stream The spring to the right of the road. About 9 or 10 m. from these springs brought us to a small stream called Pine creek good grass 1 1/2 miles before reaching which we put up about 9.0. for the night in an opening containing some grass.

The road for the most of the way very rocky The last 4 or five miles was passed in the night when it was very dark but fortunately got safely through Some of the descent tolerably steep.

The forest exceedingly fine The timber several varieties of spruce and pine. Sugar pine nut pine yellow p. Thuja several shrubs The day pleasant & warm.

Wed. Sept 7th Very cold froze hard in camp last night.

Clear & pleasant Rolled 1 1/2 m. to Pine creek & halted till

M. when we rolled on over a rough stony road about 6. m. and

put up near a small pond fine feed & good water. Camped about

4 P.M. Ducks & geese plenty road level.

This evening our camp presents a cheerful scene.

Thurs th Night cold, froze water in camp vessels.

Pleasant Decamped at 7. 0. 3 miles brought us to Goose creek valley where there is a beautiful stream of cold water and very good grass.

From this place passed through a fine forest of pine passing some open glades to a pond and springs where there was planty of grass & water & m. Thence over a ridge some stones but road very good through a fine forest to a valley and stream 6. m. plenty of grass and water where we encamped at 1/2 past 4.0.

The day pleasant Only tolerably warm.

Friday 9th Cold & frosty but pleasant, Crosby and myself started in advance of the train for purpose of hunting - no success. 2 m. from camp brought us to the first crossing of the stream which we crossed twice more within 2. m. Four m. from camp brought us to heavy sand through which we traveled about 6 miles. 6 m. from camp brought us to a small pond on the right of beautiful clear water Within 1 m. farther 2 more ponds appear on the left but little grass at either. 2 m. farther brought us to an extensive upheaval comprising several hundred acres a mile farther to the crater of an extinct volcano some 500 ft high. The mouth of the crater is about 75 yards in diameter. About 5 m. farther to a small prairie springs where we encamped for the night. Nade 14 m. Very good grass & water Plenty of fuel.

Sep. 9th Our direction has been S.E. & S.W. & W. Road slightly uneven, the country mountainous. No grass on the route. Strawberry vines Plenty of snow peaks in sight.

Sat 10th Pleasant Decamped at 10 to 6.0. Saw a fine deer about 1 mile from camp. Our road mostly descending and quite rough with the roots of Manisets (Manzanita?) to Hat creek a fine stream two miles farther over rather an uneven road to a

small creek. Six miles farther over a very rough road and some very large hills to another creek.

Previous to reaching this stream passed over an extensive plain of manzanita Six miles from this last stream over a tolerably rough road brought us to Deer flats where we made our evening camp.

Tolerable grass, and good water The day has been fine and the road the hardest we have had on the route The forest as we approached the Flats becoming much more dense Basaltic rock most of the way.

Sund 11th Rolled out at 8.0. took the new trail to the right of the Flats Four miles through a fine forest brought us to a beautiful valley through which passes a fine stream Seven miles farther brought us to McUmbers mill 8 miles farther over a beautiful road which descends gradually & through a fine forest mostly pine & redwood but containing some oak. The day has been warm and pleasant. Crosby made an unsuccessful attempt to catch deer.

Mond 12th Pleasant & less cool W. W. Left our encampment near a trading post and rolled on to Bear creek a distance of about 14 miles and encamped on a small island near the creek The creek is about 1 rod wide & about 2 ft. deep many grapes nearly ripe along the banks and grizzly bears are said to be plenty. Along the bank are sycamore and in the valley of the Sacramento the timber is mostly oak with some nut pine, vegetation looks very dry. Our compnay obtained some fine potatoes and cabbage and onions. The soil is a kind of clay loam of a red color.

Sept Tues 13th Last night the first we have experienced in some time that really seems like summer Pleasant Crosby took Allen & family, Sessions, Coleman & Lawrence to Shasta and I accompanied Reached the place at dark a distance of 24 m.

Train moved on to near the ferry and encamped for the day Road to S. level and fine till within 8 miles it becomes hilly & winding.

Wednes. 14th Cloudy some sprinkling of rain Disposed of our passengers purchased some clothing and left the St. Charles Hotel about M. Returned to within a mile of the ford & having ascertained that our teams had rolled on to Cottonwood creek we put up for the night at Monday ranche.

Thurs 15th Some rain during the night Found our teams encamped on Cottonwood creek where we remained during the day.

Frid 16th Somewhat cloudy pleasant during the day. Gen.
Taylor found work at Huntoon -- Traveled about 20 miles and encamped on the bank of the river. Grass poor vegetation in the valley very dry.

Sat. Sept. 17th 1853. Pleasant & clear very hard west wind during the night. Had some difficulty in finding cattle Decamped about M. reached Tehama about 4.0.

Catalogue

of Plants found on the Cal. route from St. Jo.

April 26th Cercis canadensis St. J. 10 - 1

May 12th Aesculls glebra St. J. 7 - 1

May Astragalus secundus Cot B. 16 - 10.

June 9 - Oenothera Leuco carpa 8 - 1

Pinus variabilis

Populus augustifolia.

Bunch grass. Festuca

Buf. grass Scesleria dactyloides.

Onobrychis sativa (clover)



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END