

**MERIWETHER LEWIS, CLARK
WILLIAM**

**HISTORY OF THE
EXPEDITION UNDER THE
COMMAND OF
CAPTAINS LEWIS AND
CLARK, VOL. I.**

William Clark

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the Command of Captains
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William Clark
History of the Expedition under the Command
of Captains Lewis and Clark, Vol. I. /
To the Sources of the Missouri, Thence
Across the Rocky Mountains and Down
the River Columbia to the Pacific Ocean. /
Performed During the Years 1804-5-6

CHAP. I

The party set out on the expedition and pass Wood river—Description of the town of St. Charles—Osage Woman river—Gasconade and Osage Rivers described—Character of the Osage Indians—Curious traditionary account of their Origin—The party proceed and pass the Mine river—The two Charitons—The Kanzas, Nodawa, Newahaw, Neeshnabatona, Little Nemahar, each of which are particularly described—They encamp at the mouth of the river Platte—A particular description of the surrounding country—The various Creeks, Bays, Islands, Prairies, &c., given in the course of the route.

On the acquisition of Louisiana, in the year 1803, the attention of the government of the United States, was early directed towards exploring and improving the new territory. Accordingly in the summer of the same year, an expedition was planned by the president for the purpose of discovering the courses and sources of the Missouri, and the most convenient water communication thence to the Pacific ocean. His private secretary captain Meriwether Lewis, and captain William Clarke, both officers of the army of the United States, were associated in the command of this enterprize. After receiving the requisite instructions, captain Lewis left the seat of government, and being joined by captain Clarke at Louisville, in Kentucky, proceeded to St. Louis, where they arrived in the month of December. Their original intention was to pass the winter at La Charrette, the highest settlement on the Missouri. But the Spanish commandant of the province, not having received an official account of its transfer to the United States, was obliged by the general policy of his government, to prevent strangers from passing through the Spanish territory. They therefore encamped at the mouth of Wood river, on the eastern side of the Mississippi, out of his jurisdiction, where they passed the winter in disciplining the men, and making the necessary preparations for setting out early in the Spring, before which the cession was officially announced. The party consisted of nine young men from Kentucky, fourteen soldiers of the United States army who volunteered their services, two French watermen—an interpreter and hunter—and a black servant belonging to captain Clarke—All these, except the last, were enlisted to serve as privates during the expedition, and three sergeants appointed from amongst them by the captains. In addition to these were engaged a corporal and six soldiers, and nine watermen to accompany the expedition as far as the Mandan nation, in order to assist in carrying the stores, or repelling an attack which was most to be apprehended between Wood river and that tribe. The necessary stores were subdivided into seven bales, and one box, containing a small portion of each article in case of accident. They consisted of a great variety of clothing, working utensils, locks, flints, powder, ball, and articles of the greatest use. To these were added fourteen bales and one box

of Indian presents, distributed in the same manner, and composed of richly laced coats and other articles of dress, medals, flags, knives, and tomahawks for the chiefs—ornaments of different kinds, particularly beads, lookingglasses, handkerchiefs, paints, and generally such articles as were deemed best calculated for the taste of the Indians. The party was to embark on board of three boats: the first was a keel boat fifty-five feet long, drawing three feet water, carrying one large squaresail and twenty-two oars, a deck of ten feet in the bow, and stern formed a forecastle and cabin, while the middle was covered by lockers, which might be raised so as to form a breast-work in case of attack. This was accompanied by two perioques or open boats, one of six and the other of seven oars. Two horses were at the same time to be led along the banks of the river for the purpose of bringing home game, or hunting in case of scarcity.

Of the proceedings of this expedition, the following is a succinct and circumstantial narrative.

All the preparations being completed, we left our encampment on Monday, May 14th, 1804. This spot is at the mouth of Wood river, a small stream which empties itself into the Mississippi, opposite to the entrance of the Missouri. It is situated in latitude $38^{\circ} 55' 19\text{-}6/10''$ north, and longitude from Greenwich, $89^{\circ} 57' 45''$. On both sides of the Mississippi the land for two or three miles is rich and level, but gradually swells into a high pleasant country, with less timber on the western than on the eastern side, but all susceptible of cultivation. The point which separates the two rivers on the north, extends for fifteen or twenty miles, the greater part of which is an open level plain, in which the people of the neighbourhood cultivate what little grain they raise. Not being able to set sail before four o'clock P.M., we did not make more than four miles, and encamped on the first island opposite a small creek called Cold Water.

May 15. The rain, which had continued yesterday and last night, ceased this morning. We then proceeded, and after passing two small islands about ten miles further, stopped for the night at Piper's landing, opposite another island. The water is here very rapid and the banks falling in. We found that our boat was too heavily laden in the stern, in consequence of which she ran on logs three times to-day. It became necessary to throw the greatest weight on the bow of the boat, a precaution very necessary in ascending both the Missouri and Mississippi rivers, in the beds of which, there lie great quantities of concealed timber.

The next morning we set sail at five o'clock. At the distance of a few miles, we passed a remarkable large coal hill on the north side, called by the French La Charbonniere, and arrived at the town of St. Charles. Here we remained a few days.

St. Charles is a small town on the north bank of the Missouri, about twenty-one miles from its confluence with the Mississippi. It is situated in a narrow plain, sufficiently high to protect it from the annual risings of the river in the month of June, and at the foot of a range of small hills, which have occasioned its being called Petite Cote, a name by which it is more known to the French than by that of St. Charles. One principal street, about a mile in length and running parallel with the river, divides the town, which is composed of nearly one hundred small wooden houses, besides a chapel. The inhabitants, about four hundred and fifty in number, are chiefly descendants from the French of Canada; and, in their manners, they unite all the careless gayety, and the amiable hospitality of the best times of France: yet, like most of their countrymen in America, they are but ill qualified for the rude life of a frontier; not that they are without talent, for they possess much natural genius and vivacity; nor that they are destitute of enterprize, for their hunting excursions are long, laborious, and hazardous: but their exertions are all desultory; their industry is without system, and without perseverance. The surrounding country, therefore, though rich, is not, in general, well cultivated; the inhabitants chiefly subsisting by hunting and trade with the Indians, and confine their culture to gardening, in which they excel.

Being joined by captain Lewis, who had been detained by business at St. Louis, we again set sail on Monday, May 21st, in the afternoon, but were prevented by wind and rain from going more

than about three miles, when we encamped on the upper point of an island, nearly opposite a creek which falls in on the south side.

On the 22d we made about eighteen miles, passing several small farms on the bank of the river, a number of islands, and a large creek on the south side, called Bonhomme, or Goodman's river. A small number of emigrants from the United States have settled on the sides of this creek, which are very fertile. We also passed some high lands, and encamped, on the north side, near a small creek. Here we met with a camp of Kickapoo Indians who had left us at St. Charles, with a promise of procuring us some provisions by the time we overtook them. They now made us a present of four deer, and we gave them in return two quarts of whiskey. This tribe reside on the heads of the Kaskaskia and Illinois river, on the other side of the Mississippi, but occasionally hunt on the Missouri.

May 23. Two miles from our camp of last night, we reached a river emptying itself on the north side, called Osage Woman river. It is about thirty yards wide, and has now a settlement of thirty or forty families from the United States. About a mile and a half beyond this is a large cave, on the south side at the foot of cliffs nearby three hundred feet high, overhanging the water, which becomes very swift at this place. The cave is one hundred and twenty feet wide, forty feet deep, and twenty high, it is known by the name of the Tavern, among the traders who have written their names on the rock, and painted some images which command the homage of the Indians and French. About a little further we passed a small creek called Tavern creek, and encamped on the south side of the river, having gone nine miles.

Early the next morning we ascended a very difficult rapid, called the Devil's Race Ground, where the current sets for half a mile against some projecting rocks on the south side. We were less fortunate in attempting a second place of equal difficulty. Passing near the southern shore, the bank fell in so fast as to oblige us to cross the river instantly, between the northern side and a sandbar which is constantly moving and banking with the violence of the current. The boat struck on it, and would have upset immediately, if the men had not jumped into the water and held her, till the sand washed from under her. We encamped on the south side, having ascended ten miles, and the next day, May 25, passed on the south side the mouth of Wood river, on the north, two small creeks and several islands, and stopped for the night at the entrance of a creek on the north side, called by the French La Charrette, ten miles from our last encampment, and a little above a small village of the same name. It consists of seven small houses, and as many poor families who have fixed themselves here for the convenience of trade, and form the last establishment of whites on the Missouri. It rained last night, yet we found this morning that the river had fallen several inches.

May 26. The wind being favourable we made eighteen miles to-day. We passed in the morning several islands, the largest of which is Buffaloe island, separated from the southern side by a small channel which receives the waters of Buffaloe creek. On the same side is Shepherd's creek, a little beyond which we encamped on the northern side. The next day we sailed along a large island called Otter island, on the northern side, extending nearly ten miles in length, narrow but high in its situation, and one of the most fertile in the whole river. Between it and the northern shore, three small creeks, one of which has the same name with the island, empty themselves. On the southern shore is a creek twenty yards wide, called Ash creek. In the course of the day we met two canoes loaded with furs, which had been two months on their route, from the Mahar nation, residing more than seven hundred miles up the river—one large raft from the Pawnees on the river Platte, and three others from the Grand Osage river. At the distance of fifteen miles we encamped on a willow island, at the entrance of the river Gasconade. This river falls into the Missouri from the south, one hundred miles from the Mississippi. Its length is about one hundred and fifty miles in a course generally northeast through a hilly country. On its banks are a number of saltpetre caves, and it is believed some mines of lead in the vicinity. Its width at the mouth is one hundred and fifty-seven yards, and its depth nineteen feet.

Here we halted for the purpose of hunting and drying our provisions, and making the necessary celestial observations. This being completed, we set sail on the 29th at four o'clock, and at four miles

distance encamped on the south-side, above a small creek, called Deer creek. The next day, 30th, we set out early, and at two miles distant reached a large cave, on the north, called Montbrun's tavern, after a French trader of that name, just above a creek called after the same person. Beyond this is a large island, and at the distance of four miles, Rush creek coming in from the south, at eleven, Big-muddy river on the north, about fifty yards wide; three miles further, is Little-muddy river on the same side, opposite to which we encamped at the mouth of Grindstone creek. The rain which began last night continued through the day, accompanied with high wind and some hail. The river has been rising fast for two days, and the country around appears full of water. Along the sides of the river to day we observe much timber, the cotton wood, the sycamore, hickory, white walnut, some grapevines, and rushes—the high west wind and rain compelled us to remain all the next day, May 31. In the afternoon a boat came down from the Grand Osage river, bringing a letter from a person sent to the Osage nation on the Arkansaw river, which mentioned that the letter announcing the cession of Louisiana was committed to the flames—that the Indians would not believe that the Americans were owners of that country, and disregarded St. Louis and its supplies. The party was occupied in hunting, in the course of which, they caught in the woods several very large rats. We set sail early the next morning, June 1st, and at six miles distant passed Bear creek, a stream of about twenty-five yards width; but the wind being ahead and the current rapid, we were unable to make more than thirteen miles to the mouth of the Osage river; where we encamped and remained the following day, for the purpose of making celestial observations. The Osage river empties itself into the Missouri, at one hundred and thirty-three miles distance from the mouth of the latter river. Its general course is west and west southwest through a rich and level country. At the junction the Missouri is about eight hundred and seventy-five yards wide, and the Osage three hundred and ninety-seven. The low point of junction is in latitude $38^{\circ} 31' 16''$, and at a short distance from it is a high commanding position, whence we enjoyed a delightful prospect of the country.

The Osage river gives or owes its name to a nation inhabiting its banks at a considerable distance from this place. Their present name however, seems to have originated from the French traders, for both among themselves and their neighbours they are called the Wasbashes. They number between twelve and thirteen hundred warriors, and consist of three tribes: the Great Osages of about five hundred warriors, living in a village on the south bank of the river—the Little Osages, of nearly half that number, residing at the distance of six miles from them—and the Arkansaw band, a colony of Osages, of six hundred warriors, who left them some years ago, under the command of a chief called the Bigfoot, and settled on the Vermillion river, a branch of the Arkansaw. In person the Osages are among the largest and best formed Indians, and are said to possess fine military capacities; but residing as they do in villages, and having made considerable advance in agriculture, they seem less addicted to war, than their northern neighbours, to whom the use of rifles gives a great superiority. Among the peculiarities of this people, there is nothing more remarkable than the tradition relative to their origin. According to universal belief, the founder of the nation was a snail passing a quiet existence along the banks of the Osage, till a high flood swept him down to the Missouri, and left him exposed on the shore. The heat of the sun at length ripened him into a man, but with the change of his nature, he had not forgotten his native seats on the Osage, towards which, he immediately bent his way. He was however soon overtaken by hunger, and fatigue, when happily the Great Spirit appeared, and giving him a bow and arrow, showed him how to kill and cook deer, and cover himself with the skin. He then proceeded to his original residence, but as he approached the river, he was met by a beaver, who inquired haughtily who he was, and by what authority he came to disturb his possession. The Osage answered that the river was his own, for he had once lived on its borders. As they stood disputing, the daughter of the beaver came, and having by her entreaties reconciled her father to this young stranger, it was proposed that the Osage should marry the young beaver, and share with her family the enjoyment of the river. The Osage readily consented, and from this happy union there soon came the village and the nation of the Wasbasha, or Osages, who have ever since preserved a

pious reverence for their ancestors, abstaining from the chase of the beaver, because in killing that animal, they killed a brother of the Osage. Of late years, however, since the trade with the whites has rendered beaver skins more valuable, the sanctity of these maternal relatives has visibly reduced, and the poor animals have nearly lost all the privileges of kindred.

On the afternoon of June 3, we proceeded, and at three miles distant, reached a creek called Cupboard creek, from a rock of that appearance near its entrance. Two miles further we encamped at Moreau creek, a stream of twenty yards width, on the southern side. The next morning, we passed at an early hour, Cedar island on the north, so called from the abundance of the tree of that name; near which is a small creek, named Nightingale creek, from a bird of that species, who sang for us during the night. Beyond Cedar island, are some others of a smaller extent, and at seven miles distance a creek fifteen or twenty yards wide, entering from the north, and known by the name of Cedar creek. At seven and a half miles further, we passed on the south side another creek, which we called Mast creek, from the circumstance of our mast being broken by running under a concealed tree; a little above is another creek on the left, one mile beyond which we encamped on the southern shore under high projecting cliffs. The French had reported that lead ore was to be found in this place, but on examining the hills, we could discern no appearance of that mineral. Along the river on the south, is a low land covered with rushes, and high nettles, and near the mouths of the creeks, supplied with oak, ash, and walnut timber. On the north the land is rich and well situated. We made seventeen and a half miles this day. The river is falling slowly. We continued our route the next morning early: a small creek called Lead creek, on the south; another on the north, known to the French by the name of Little Good Woman's creek, and again Big Rock creek on the south were the only streams we passed this morning. At eleven o'clock we met a raft made of two canoes joined together, in which two French traders were descending, from eighty leagues up the river Kansas, where they had wintered, and caught great quantities of beaver, but had lost much of their game by fires from the prairies. They told us that the Kansas nation is now hunting buffaloe in the plains, having passed the last winter in this river. Two miles further, we reached on the south Little Manitou creek, which takes its name from a strange figure resembling the bust of a man, with the horns of a stag, painted on a projecting rock, which may represent some spirit or deity. Near this is a sandbar extending several miles, which renders the navigation difficult, and a small creek called Sand creek on the south, where we stopped for dinner, and gathered wild cresses and tongue grass from the sandbar. The rapidity of the currents added to our having broken our mast, prevented our going more than twelve and a half miles. The scouts and hunters whom we always kept out, report that they have seen fresh tracks of Indians. The next morning we left our camp, which was on the south side, opposite to a large island in the middle of the river, and at five miles reached a creek on the north side, of about twenty yards wide, called Split Rock creek, from a fissure in the point of a neighbouring rock. Three miles beyond this, on the south is Saline river, it is about thirty yards wide, and has its name from the number of salt licks, and springs, which render its water brackish; the river is very rapid and the banks falling in. After leaving Saline creek, we passed one large island and several smaller ones, having made fourteen miles. The water rose a foot during the last night.

The next day, June 7, we passed at four and a half miles Big Manitou creek, near which is a limestone rock inlaid with flint of various colours, and embellished, or at least covered with uncouth paintings of animals and inscriptions. We landed to examine it, but found the place occupied by a nest of rattlesnakes, of which we killed three. We also examined some licks and springs of salt water, two or three miles up this creek. We then proceeded by some small willow islands, and encamped at the mouth of Good Woman river on the north. It is about thirty-five yards wide, and said to be navigable for boats several leagues. The hunters, who had hitherto given us only deer, brought in this evening three bears, and had seen some indication of buffaloe. We had come fourteen miles.

June 8, we saw several small willow islands, and a creek on the south, near which are a number of deerlicks; at nine miles distance we came to Mine river. This river, which falls into the Missouri

from the south, is said to be navigable for boats eighty or ninety miles, and is about seventy yards wide at its mouth. It forks about five or six leagues from the Missouri, and at the point of junction are some very rich salt springs; the west branch in particular, is so much impregnated, that, for twenty miles, the water is not palatable: several branches of the Manitou and Good Woman are equally tainted. The French report also, that lead ore has been found on different parts of the river. We made several excursions near the river through the low rich country on its banks, and after dinner went on to the island of Mills, where we encamped. We met with a party of three hunters from the Sioux river; they had been out for twelve months, and collected about nine hundred dollars worth of peltries and furs. We ascended this river twelve miles.

On the 9th, we set out early, and reached a cliff of rocks, called the Arrow Rock, near to which is a prairie called the Prairies of Arrows, and Arrow creek, a small stream about eight yards wide, whose source is in the adjoining prairies on the south. At this cliff the Missouri is confined within a bed of two hundred yards; and about four miles to the south east is a large lick and salt spring of great strength. About three miles further is Blackbird creek on the north side, opposite to which, is an island and a prairie inclosing a small lake. Five miles beyond this we encamped on the south side, after making, in the course of the day, thirteen miles. The land on the north is a high rich plain. On the south it is also even, of a good quality, and rising from fifty to one hundred feet.

The next morning, 10th, we passed Deer creek, and at the distance of five miles, the two rivers called by the French the two Charatons, a corruption of Thieraton, the first of which is thirty, the second seventy yards wide, and enter the Missouri together. They are both navigable for boats: the country through which they pass is broken, rich, and thickly covered with timber. The Ayauway nation, consisting of three hundred men, have a village near its head-waters on the river De Moines. Farther on we passed a large island called *Chicot* or Stump Island, and encamped on the south, after making ten miles. A head wind forced us to remain there all the next day, during which we dried the meat we had killed, and examined the surrounding country, which consists of good land, well watered, and supplied with timber: the prairies also differ from those eastward of the Mississippi, inasmuch as the latter are generally without any covering except grass, whilst the former abound with hazel, grapes and other fruits, among which is the Osage plum of a superior size and quality. On the morning of the 12th, we passed through difficult places in the river, and reached Plum creek on the south side. At one o'clock, we met two rafts loaded, the one with furs, the other with the tallow of buffaloe; they were from the Sioux nation, and on their way to St. Louis; but we were fortunate enough to engage one of them, a Mr. Durion, who had lived with that nation more than twenty years, and was high in their confidence, to accompany us thither. We made nine miles. On the 13th, we passed at between four and five miles, a bend of the river, and two creeks on the north, called the Round Bend creeks. Between these two creeks is the prairie, in which once stood the ancient village of the Missouris. Of this village there remains no vestige, nor is there any thing to recall this great and numerous nation, except a feeble remnant of about thirty families. They were driven from their original seats by the invasions of the Sauks and other Indians from the Mississippi, who destroyed at this village two hundred of them in one contest, and sought refuge near the Little Osage, on the other side of the river. The encroachment of the same enemies forced, about thirty years since, both these nations from the banks of the Missouri. A few retired with the Osage, and the remainder found an asylum on the river Platte, among the Ottoes, who are themselves declining. Opposite the plain there was an island and a French fort, but there is now no appearance of either, the successive inundations having probably washed them away, as the willow island which is in the situation described by Du Pratz, is small and of recent formation. Five miles from this place is the mouth of Grand River, where we encamped. This river follows a course nearly south, or south east, and is between eighty and a hundred yards wide where it enters the Missouri, near a delightful and rich plain. A racoon, a bear, and some deer were obtained to day. We proceeded at six o'clock the next morning. The current was so rapid and the banks on the north falling in so constantly, that we were obliged to approach the

sandbars on the south. These were moving continually, and formed the worst passage we had seen, and which we surmounted with much difficulty. We met a trading raft from the Pawnee nation on the river Platte, and attempted unsuccessfully to engage one of their party to return with us. At the distance of eight miles, we came to some high cliffs, called the Snake bluffs, from the number of that animal in the neighbourhood, and immediately above these bluffs, Snake creek, about eighteen yards wide, on which we encamped. One of our hunters, a half Indian, brought us an account of his having to day passed a small lake, near which a number of deer were feeding, and in the pond he heard a snake making a guttural noise like a turkey. He fired his gun, but the noise became louder. He adds, that he has heard the Indians mention this species of snake, and this story is confirmed by a Frenchman of our party. All the next day, the river being very high, the sandbars were so rolling and numerous, and the current so strong, that we were unable to stem it even with oars added to our sails; this obliged us to go nearer the banks, which were falling in, so that we could not make, though the boat was occasionally towed, more than fourteen miles. We passed several islands and one creek on the south side, and encamped on the north opposite a beautiful plain, which extends as far back as the Osage river, and some miles up the Missouri. In front of our encampment are the remains of an old village of the Little Osage, situated at some distance from the river, and at the foot of a small hill. About three miles above them, in view of our camp is the situation of the old village of the Missouris after they fled from the Sauks. The inroads of the same tribe compelled the Little Osage to retire from the Missouri a few years ago, and establish themselves near the Great Osages. The river, which is here about one mile wide, had risen in the morning, but fell towards evening. Early this morning, June 16th, we joined the camp of our hunters, who had provided two deer and two bear, and then passing an island and a prairie on the north covered with a species of timothy, made our way through bad sandbars and a swift current, to an encampment for the evening, on the north side, at ten miles distance. The timber which we examined to day was not sufficiently strong for oars; the mosquitoes and ticks are exceedingly troublesome. On the 17th, we set out early and having come to a convenient place at one mile distance, for procuring timber and making oars, we occupied ourselves in that way on this and the following day. The country on the north of the river is rich and covered with timber; among which we procured the ash for oars. At two miles it changes into extensive prairies, and at seven or eight miles distance becomes higher and waving. The prairie and high lands on the south commence more immediately on the river; the whole is well watered and provided with game, such as deer, elk, and bear. The hunters brought in a fat horse which was probably lost by some war party—this being the crossing place for the Sauks, Ayauways, and Sioux, in their excursions against the Osage.

June 19, the oars being finished, we proceeded under a gentle breeze by two large and some smaller islands. The sandbars are numerous and so bad, that at one place we were forced to clear away the driftwood in order to pass: the water too was so rapid that we were under the necessity of towing the boat for half a mile round a point of rocks on the south side. We passed two creeks, one called Tiger creek on the north, twenty-five yards wide at the extremity of a large island called Panther Island; the other Tabo creek on the south, fifteen yards wide. Along the shores are gooseberries and raspberries in great abundance. At the distance of seventeen and a half miles we encamped on the south, near a lake about two miles from the river and several in circumference; and much frequented by deer and all kinds of fowls. On the north the land is higher and better calculated for farms than that on the south, which ascends more gradually, but is still rich and pleasant. The mosquitoes and other animals are so troublesome that musquitoe biers or nets were distributed to the party. The next morning we passed a large island, opposite to which on the north is a large and beautiful prairie, called Sauk prairie, the land being fine and well timbered on both sides the river. Pelicans were seen to day. We made six and three quarter miles, and encamped at the lower point of a small island, along the north side of which we proceeded the next day, June 21st, but not without danger in consequence of the sands and the rapidity of the water which rose three inches last night. Behind another island

come in from the south two creeks, called Eau, Beau, or Clear Water creeks; on the north is a very remarkable bend, where the high lands approach the river, and form an acute angle at the head of a large island produced by a narrow channel through the point of the bend. We passed several other islands, and encamped at seven and a half miles on the south.

22d. The river rose during the night four inches. The water is very rapid and crowded with concealed timber. We passed two large islands and an extensive prairie on the south, beginning with a rich low land, and rising to the distance of seventy or eighty feet of rolling clear country. The thermometer at three o'clock P.M. was at 87°. After coming ten and a half miles we encamped on the south, opposite a large creek called Fire Prairie river.

23d. The wind was against us this morning, and became so violent that we made only three and a half miles, and were obliged to lie to during the day at a small island. This is separated from the northern side by a narrow channel which cannot be passed by boats, being choaked by trees and drifted wood. Directly opposite on the south, is a high commanding position, more than seventy feet above high water mark, and overlooking the river which is here of but little width; this spot has many advantages for a fort, and trading house with the Indians.¹ The river fell eight inches last night.

The next day, 24th, we passed at eight miles distance, Hay Cabin creek coming in from the south, about twenty yards wide, and so called from camps of straw built on it; to the north are some rocks projecting into the river, and a little beyond them a creek on the same side, called Charaton Scarty; that is, Charaton like the Otter. We halted, after making eleven and a half miles, the country on both sides being fine and interspersed with prairies, in which we now see numerous herds of deer, pasturing in the plains or feeding on the young willows of the river.

25th. A thick fog detained us till eight o'clock, when we set sail, and at three miles reached a bank of stone coal on the north, which appeared to be very abundant: just below it is a creek called after the bank La Charbonniere. Four miles further, and on the southern side, comes in a small creek, called La Benite. The prairies here approach the river and contain many fruits, such as plums, raspberries, wild apples, and nearer the river vast quantities of mulberries. Our encampment was at thirteen miles distance on an island to the north, opposite some hills higher than usual, and almost one hundred and sixty or one hundred and eighty feet. 26th. At one mile we passed at the end of a small island, Blue Water creek, which is about thirty yards wide at its entrance from the south.² Here the Missouri is confined within a narrow bed, and the current still more so by counter currents or whirls on one side and a high bank on the other. We passed a small island and a sandbar, where our tow rope broke twice, and we rowed round with great exertions. We saw a number of parroquets, and killed some deer; after nine and three quarter miles we encamped at the upper point of the mouth of the river Kansas: here we remained two days, during which we made the necessary observations, recruited the party, and repaired the boat. The river Kansas takes its rise in the plains between the Arkansaw and Platte rivers, and pursues a course generally east till its junction with the Missouri which is in latitude 38° 31' 13"; here it is three hundred and forty and a quarter yards wide, though it is wider a short distance above the mouth. The Missouri itself is about five hundred yards in width; the point of union is low and subject to inundations for two hundred and fifty yards, it then rises a little above high water mark, and continues so as far back as the hills. On the south of the Kansas the hills or highlands come within one mile and a half of the river; on the north of the Missouri they do not approach nearer than several miles; but on all sides the country is fine. The comparative specific gravities of the two rivers is, for the Missouri seventy-eight, the Kansas seventy-two degrees; the waters of the latter have a very disagreeable taste, the former has risen during yesterday and to day about two feet. On the banks of the Kansas reside the Indians of the same name, consisting of two

¹ The United States built in September, 1808, a factory and fort at this spot, which is very convenient for trading with the Osages, Ayauways and Kansas.

² A few miles up the Blue Water Creek are quarries of plaster of paris, since worked and brought down to St. Louis.

villages, one at about twenty, the other forty leagues from its mouth, and amounting to about three hundred men. They once lived twenty-four leagues higher than the Kansas, on the south bank of the Missouri, and were then more numerous, but they have been reduced and banished by the Sauks and Ayauways, who being better supplied with arms have an advantage over the Kansas, though the latter are not less fierce or warlike than themselves. This nation is now hunting in the plains for the buffaloe which our hunters have seen for the first time.

On the 29th, we set out late in the afternoon, and having passed a sandbar, near which the boat was almost lost, and a large island on the north, we encamped at seven and a quarter miles on the same side in the low lands, where the rushes are so thick that it is troublesome to walk through them. Early the next morning, 30th, we reached, at five miles distance, the mouth of a river coming in from the north, and called by the French, *Petite Riviere Platte*, or Little Shallow river; it is about sixty yards wide at its mouth. A few of the party who ascended informed us, that the lands on both sides are good, and that there are several falls well calculated for mills; the wind was from the south west, and the weather oppressively warm, the thermometer standing at 96° above 0 at three o'clock P.M. One mile beyond this is a small creek on the south, at five miles from which we encamped on the same side, opposite the lower point of an island called Diamond island. The land on the north between the Little Shallow river, and the Missouri is not good and subject to overflow—on the south it is higher and better timbered.

July 1st. We proceeded along the north side of Diamond island, where a small creek called Biscuit creek empties itself. One and a half miles above the island is a large sandbar in the middle of the river, beyond which we stopped to refresh the men, who suffered very much from the heat. Here we observed great quantities of grapes and raspberries. Between one and two miles farther are three islands a creek on the south known by the French name of *Remore*. The main current which is now on the south side of the largest of the three islands, ran three years, as we were told on the north, and there was then no appearance of the two smaller islands. At the distance of four and a half miles we reached the lower point of a cluster of small islands, two large and two small, called *Isles des Pares* or Field Islands. *Paccaun* trees were this day seen, and large quantities of deer and turkies on the banks. We had advanced twelve miles.

July 2d. We left our encampment, opposite to which is a high and beautiful prairie on the southern side, and passed up the south of the islands, which are high meadows, and a creek on the north called *Pare* creek. Here for half an hour the river became covered with drift wood, which rendered the navigation dangerous, and was probably caused by the giving way of some sandbar, which had detained the wood. After making five miles we passed a stream on the south called *Turkey* creek, near a sandbar, where we could scarcely stem the current with twenty oars, and all the poles we had. On the north at about two miles further is a large island called by the Indians, *Wau-car-da-war-card-da*, or the Bear Medicine island. Here we landed and replaced our mast, which had been broken three days ago, by running against a tree, overhanging the river. Thence we proceeded, and after night stopped on the north side, above the island, having come eleven and a half miles. Opposite our camp is a valley, in which was situated an old village of the Kansas, between two high points of land, and on the bank of the river. About a mile in the rear of the village was a small fort, built by the French on an elevation. There are now no traces of the village, but the situation of the fort may be recognized by some remains of chimnies, and the general outline of the fortification, as well as by the fine spring which supplied it with water. The party, who were stationed here, were probably cut off by the Indians, as there are no accounts of them.

July 3d. A gentle breeze from the south carried us eleven and a quarter miles this day, past two islands, one a small willow island, the other large, and called by the French *Isle des Vaches*, or Cow island. At the head of this island, on the northern shore, is a large pond containing beaver, and fowls of different kinds. After passing a bad sandbar, we stopped on the south side at an old trading house, which is now deserted, and half a mile beyond it encamped on the south. The land is fine along the

ivers, and some distance back. We observed the black walnut and oak, among the timber; and the honey-suckle and the buck's-eye, with the nuts on them.

The morning of the 4th July was announced by the discharge of our gun. At one mile we reached the mouth of a bayeau or creek, coming from a large lake on the north side, which appears as if it had once been the bed of the river, to which it runs parallel for several miles. The water of it is clear and supplied by a small creek and several springs, and the number of goslings which we saw on it, induced us to call it the Gosling lake. It is about three quarters of a mile wide, and seven or eight miles long. One of our men was bitten by a snake, but a poultice of bark and gunpowder was sufficient to cure the wound. At ten and a quarter miles we reached a creek on the south about twelve yards wide and coming from an extensive prairie, which approached the borders of the river. To this creek which had no name, we gave that of Fourth of July creek; above it is a high mound, where three Indian paths centre, and from which is a very extensive prospect. After fifteen miles sail we came to on the north a little above a creek on the southern side, about thirty yards wide, which we called Independence creek, in honour of the day, which we could celebrate only by an evening gun, and an additional gill of whiskey to the men.

The next day, 5th, we crossed over to the south and came along the bank of an extensive and beautiful prairie, interspersed with copses of timber, and watered by Independence creek. On this bank formerly stood the second village of the Kansas; from the remains it must have been once a large town. We passed several bad sandbars, and a small creek to the south, which we called Yellow Ochre creek, from a bank of that mineral a little above it. The river continues to fall. On the shores are great quantities of summer and fall grapes, berries and wild roses. Deer is not so abundant as usual, but there are numerous tracks of elk around us. We encamped at ten miles distance on the south side under a high bank, opposite to which was a low land covered with tall rushes, and some timber.

July 6. We set sail, and at one mile passed a sandbar, three miles further an island, a prairie to the north, at the distance of four miles called Reevey's prairie, after a man who was killed there; at which place the river is confined to a very narrow channel, and by a sandbar from the south. Four miles beyond is another sandbar terminated by a small willow island, and forming a very considerable bend in the river towards the north. The sand of the bar is light, intermixed with small pebbles and some pit coal. The river falls slowly, and, owing either to the muddiness of its water, or the extreme heat of the weather, the men perspire profusely. We encamped on the south having made twelve miles. The bird called whip-poor-will sat on the boat for some time.

In the morning, July 7th, the rapidity of the water obliged us to draw the boat along with ropes. At six and three quarter miles, we came to a sandbar, at a point opposite a fine rich prairie on the north, called St. Michael's. The prairies of this neighbourhood have the appearance of distinct farms, divided by narrow strips of woodland, which follow the borders of the small runs leading to the river. Above this, about a mile, is a cliff of yellow clay on the north. At four o'clock we passed a narrow part of the channel, where the water is confined within a bed of two hundred yards wide, the current running directly against the southern bank with no sand on the north to confine it or break its force. We made fourteen miles, and halted on the north, after which we had a violent gust about seven o'clock. One of the hunters saw in a pond to the north which we passed yesterday a number of young swans. We saw a large rat, and killed a wolf. Another of our men had a stroke of the sun; he was bled, and took a preparation of nitre which relieved him considerably.

July 8. We set out early, and soon passed a small creek on the north, which we called Ordway's creek, from our sergeant of that name who had been sent on shore with the horses, and went up it. On the same side are three small islands, one of which is the Little Nodawa, and a large island called the Great Nodawa extending more than five miles, and containing seven or eight thousand acres of high good land, rarely overflowed, and one of the largest islands of the Missouri. It is separated from the northern shore by a small channel of from forty-five to eighty yards wide, up which we passed, and found near the western extremity of the island the mouth of the river Nodawa. This river pursues

nearly a southern course, is navigable for boats to some distance, and about seventy yards wide above the mouth, though not so wide immediately there, as the mud from the Missouri contracts its channel. At twelve and a quarter miles, we encamped on the north side, near the head of Nodawa island, and opposite a smaller one in the middle of the river. Five of the men were this day sick with violent headache. The river continues to fall.

July 9th. We passed the island opposite to which we last night encamped, and saw near the head of it a creek falling in from a pond on the north, to which we gave the name of Pike pond, from the numbers of that animal which some of our party saw from the shore. The wind changed at eight from N.E. to S.W. and brought rain. At six miles we passed the mouth of Monter's creek on the south, and two miles above a few cabins, where one of our party had encamped with some Frenchmen about two years ago. Further on we passed an island on the north, opposite some cliffs on the south side, near which Loup or Wolf river falls into the Missouri. This river is about sixty yards wide, it heads near the same sources as the Kansas, and is navigable for boats, at some distance up. At fourteen miles we encamped on the south side.

Tuesday 10th. We proceeded on by a prairie on the upper side of Wolf river, and at four miles passed a creek fifteen yards wide on the south, called Pape's creek after a Spaniard of that name, who killed himself there. At six miles we dined on an island called by the French *Isle de Salomon*, or Solomon's island, opposite to which on the south is a beautiful plain covered with grass, intermixed with wild rye and a kind of wild potatoe. After making ten miles we stopped for the night on the northern side, opposite a cliff of yellow clay. The river has neither risen nor fallen to day. On the north the low land is very extensive, and covered with vines; on the south, the hills approach nearer the river, and back of them commence the plains. There are a great many goslings along the banks.

Wednesday 11th. After three miles sailing we came to a willow island on the north side, behind which enters a creek called by the Indians Tarkio. Above this creek on the north the low lands are subject to overflow, and further back the undergrowth of vines particularly, is so abundant that they can scarcely be passed. Three miles from the Tarkio we encamped on a large sand island on the north, immediately opposite the river Nemahaw.

Thursday 12th. We remained here to day for the purpose of refreshing the party, and making lunar observations. The Nemahaw empties itself into the Missouri from the south, and is eighty yards wide at the confluence, which is in lat. 39° 55' 56". Capt. Clarke ascended it in the perioque about two miles to the mouth of a small creek on the lower side. On going ashore he found in the level plain several artificial mounds or graves, and on the adjoining hills others of a larger size. This appearance indicates sufficiently the former population of this country; the mounds being certainly intended as tombs; the Indians of the Missouri still preserving the custom of interring the dead on high ground. From the top of the highest mound a delightful prospect presented itself—the level and extensive meadows watered by the Nemahaw, and enlivened by the few trees and shrubs skirting the borders of the river and its tributary streams—the lowland of the Missouri covered with undulating grass, nearly five feet high, gradually rising into a second plain, where rich weeds and flowers are interspersed with copses of the Osage plum; further back are seen small groves of trees; an abundance of grapes; the wild cherry of the Missouri, resembling our own, but larger, and growing on a small bush; and the chokecherry, which we observed for the first time. Some of the grapes gathered to-day are nearly ripe. On the south of the Nemahaw, and about a quarter of a mile from its mouth, is a cliff of freestone, in which are various inscriptions and marks made by the Indians. The sand island where we are encamped, is covered with the two species of willow, broad and narrow leaf.

July 13th. We proceeded at sunrise with a fair wind from the south, and at two miles, passed the mouth of a small river on the north, called Big Tarkio. A channel from the bed of the Missouri once ran into this river, and formed an island called St. Joseph's, but the channel is now filled up, and the island is added to the northern shore. Further on to the south, is situated an extensive plain, covered with a grass resembling timothy in its general appearance, except the seed which is like flaxseed, and

also a number of grapevines. At twelve miles, we passed an island on the north, above which is a large sandbar covered with willows; and at twenty and a half miles, stopped on a large sandbar, in the middle of the river opposite a high handsome prairie, which extends to the hills four or five miles distant, though near the bank the land is low, and subject to be overflowed. This day was exceedingly fine and pleasant, a storm of wind and rain from north-northeast, last night, having cooled the air.

July 14. We had some hard showers of rain before seven o'clock, when we set out. We had just reached the end of the sand island, and seen the opposite banks falling in, and so lined with timber that we could not approach it without danger, when a sudden squall, from the northeast, struck the boat on the starboard quarter, and would have certainly dashed her to pieces on the sand island, if the party had not leaped into the river, and with the aid of the anchor and cable kept her off: the waves dashing over her for the space of forty minutes; after which, the river became almost instantaneously calm and smooth. The two periogues were ahead, in a situation nearly similar, but fortunately no damage was done to the boats or the loading. The wind having shifted to the southeast, we came at the distance of two miles, to an inland on the north, where we dined. One mile above, on the same side of the river, is a small factory, where a merchant of St. Louis traded with the Ottoes and Pawnees two years ago. Near this is an extensive lowland, part of which is overflowed occasionally, the rest is rich and well timbered. The wind again changed to northwest by north. At seven and a half miles, we reached lower point of a large island, on the north side. A small distance above this point, is a river, called by the Maha Indians, Nishnahbatona. This is a considerable creek, nearly as large as the Mine river, and runs parallel to the Missouri the greater part of its course, being fifty yards wide at the mouth. In the prairies or glades, we saw wild-timothy, lambsquarter, cuckleberries, and on the edges of the river, summer-grapes, plums, and gooseberries. We also saw to-day, for the first time, some elk, at which some of the party shot, but at too great a distance. We encamped on the north side of the island, a little above Nishnahbatona, having made nine miles. The river fell a little.

July 15. A thick fog prevented our leaving the encampment before seven. At about four miles, we reached the extremity of the large island, and crossing to the south, at the distance of seven miles, arrived at the Little Nemaha, a small river from the south, forty yards wide a little above its mouth, but contracting, as do almost all the waters emptying into the Missouri, at its confluence. At nine and three quarter miles, we encamped on a woody point, on the south. Along the southern bank, is a rich lowland covered with peavine, and rich weeds, and watered by small streams rising in the adjoining prairies. They too, are rich, and though with abundance of grass, have no timber except what grows near the water; interspersed through both are grapevines, plums of two kinds, two species of wild-cherries, hazlenuts, and gooseberries. On the south there is one unbroken plain; on the north the river is skirted with some timber, behind which the plain extends four or five miles to the hills, which seem to have little wood.

July 16. We continued our route between a large island opposite to our last night's encampment, and an extensive prairie on the south. About six miles, we came to another large island, called Fairsun island, on the same side; above which is a spot, where about twenty acres of the hill have fallen into the river. Near this, is a cliff of sandstone for two miles, which is much frequented by birds. At this place the river is about one mile wide, but not deep; as the timber, or sawyers, may be seen, scattered across the whole of its bottom. At twenty miles distance, we saw on the south, an island called by the French, l'Isle Chance, or Bald island, opposite to a large prairie, which we called Baldpated prairie, from a ridge of naked hills which bound it, running parallel with the river as far as we could see, and from three to six miles distance. To the south the hills touch the river. We encamped a quarter of a mile beyond this, in a point of woods on the north side. The river continues to fall.

Tuesday, July 17. We remained here this day, in order to make observations and correct the chronometer, which ran down on Sunday. The latitude we found to be $40^{\circ} 27' 5'' \frac{4}{10}$. The observation of the time proved our chronometer too slow, by $6' 51'' \frac{6}{10}$. The highlands bear from our camp, north 25° west, up the river. Captain Lewis rode up the country, and saw the Nishnahbatona, about

ten or twelve miles from its mouth, at a place not more than three hundred yards from the Missouri, and a little above our camp. It then passes near the foot of the Baldhills, and is at least six feet below the level of the Missouri. On its banks are the oak, walnut, and mulberry. The common current of the Missouri, taken with the log, is 50 fathoms in 40", at some places, and even 20".

Wednesday, July 18. The morning was fair, and a gentle wind from southeast by south, carried us along between the prairie on the north, and Bald island to the south: opposite the middle of which, the Nishnahbatona approaches the nearest to the Missouri. The current here ran fifty fathoms in 41". At thirteen and a half miles, we reached an island on the north, near to which the banks overflow; while on the south, the hills project over the river and form high cliffs. At one point a part of the cliff, nearly three quarters of a mile in length, and about two hundred feet in height, has fallen into the river. It is composed chiefly of sandstone intermixed with an iron ore of bad quality; near the bottom is a soft slatestone with pebbles. We passed several bad sandbars in the course of the day, and made eighteen miles, and encamped on the south, opposite to the lower point of the Oven islands. The country around is generally divided into prairies, with little timber, except on low points, islands, and near creeks, and that consisting of cottonwood, mulberry, elm, and sycamore. The river falls fast. An Indian dog came to the bank; he appeared to have been lost and was nearly starved: we gave him some food, but he would not follow us.

Thursday, July 19. The Oven islands are small, and two in number; one near the south shore, the other in the middle of the river. Opposite to them is the prairie, called Terrien's Oven, from a trader of that name. At four and a half miles, we reached some high cliffs of a yellow earth, on the south, near which are two beautiful runs of water, rising in the adjacent prairies, and one of them with a deerlick, about two hundred yards from its mouth. In this neighbourhood we observed some iron ore in the bank. At two and a half miles above the runs, a large portion of the hill, for nearly three quarters of a mile, has fallen into the river. We encamped on the western extremity of an island, in the middle of the river, having made ten and three quarter miles. The river falls a little. The sandbars which we passed to-day, are more numerous, and the rolling sands more frequent and dangerous, than any we have seen; these obstacles increasing as we approach the river Platte. The Missouri here is wider also than below, where the timber on the banks resists the current; while here the prairies which approach, are more easily washed and undermined. The hunters have brought for the last few days, no quadruped, but deer: great quantities of young geese are seen to-day: one of them brought calamus, which he had gathered opposite our encampment, and a large quantity of sweet-flag.

Friday, July 20. There was a heavy dew last night, and this morning was foggy and cool. We passed at about three miles distance, a small willow island to the north, and a creek on the south, about twenty-five yards wide, called by the French, L'eau qui Pleure, or the Weeping Water, and emptying itself just above a cliff of brown clay. Thence we made two and a half miles to another island; three miles further to a third: six miles beyond which is a fourth island; at the head of which we encamped on the southern shore; in all eighteen miles. The party, who walked on the shore to-day, found the plains to the south, rich, but much parched with frequent fires, and with no timber, except the scattering trees about the sources of the runs, which are numerous and fine. On the north, is a similar prairie country. The river continues to fall. A large yellow wolf was this day killed. For a month past the party have been troubled with biles, and occasionally with the dysentery. These biles were large tumours which broke out under the arms, on the legs, and, generally, in the parts most exposed to action, which sometimes became too painful to permit the men to work. After remaining some days, they disappeared without any assistance, except a poultice of the bark of the elm, or of Indian meal. This disorder, which we ascribe to the muddiness of the river water, has not affected the general health of the party, which is quite as good, if not better, than that of the same number of men in any other situation.

Saturday, July 21. We had a breeze from the southeast, by the aid of which we passed, at about ten miles, a willow island on the south, near high lands covered with timber, at the bank, and

formed of limestone with cemented shells: on the opposite side is a bad sandbar, and the land near it is cut through at high water, by small channels forming a number of islands. The wind lulled at seven o'clock, and we reached, in the rain, the mouth of the great river Platte, at the distance of fourteen miles. The highlands which had accompanied us on the south, for the last eight or ten miles, stopped at about three quarters of a mile from the entrance of the Platte. Captains Lewis and Clarke ascended the river in a periogue, for about one mile, and found the current very rapid; rolling over sands, and divided into a number of channels; none of which are deeper than five or six feet. One of our Frenchmen, who spent two winters on it, says that it spreads much more at some distance from the mouth; that its depth is generally not more than five or six feet; that there are many small islands scattered through it, and that from its rapidity and the quantity of its sand, it cannot be navigated by boats or perioques, though the Indians pass it in small flat canoes made of hides. That the Saline or Salt river, which in some seasons is too brackish to be drank, falls into it from the south about thirty miles up, and a little above it Elkhorn river from the north, running nearly parallel with the Missouri. The river is, in fact, much more rapid than the Missouri, the bed of which it fills with moving sands, and drives the current on the northern shore, on which it is constantly encroaching. At its junction the Platte is about six hundred yards wide, and the same number of miles from the Mississippi. With much difficulty we worked round the sandbars near the mouth, and came to above the point, having made fifteen miles. A number of wolves were seen and heard around us in the evening.

July 22. The next morning we set sail, and having found at the distance of ten miles from the Platte, a high and shaded situation on the north, we encamped there, intending to make the requisite observations, and to send for the neighbouring tribes, for the purpose of making known the recent change in the government, and the wish of the United States to cultivate their friendship.

CHAP. II

Some account of the Pawnee Indians—Council held with the Otto and Missouri Indians—Council held with another party of the Ottoes—Death of sergeant Floyd—The party encamp near the mouth of Whitestone river—The character of the Missouri, with the rivers that enter it—The surrounding country—The various islands, bays, creeks, &c. given in the course of the expedition.

Our camp is by observation in latitude $41^{\circ} 3' 11''$. Immediately behind it is a plain about five miles wide, one half covered with wood, the other dry and elevated. The low grounds on the south near the junction of the two rivers, are rich, but subject to be overflowed. Farther up, the banks are higher, and opposite our camp the first hills approach the river, and are covered with timber, such as oak, walnut, and elm. The intermediate country is watered by the Papillon, or Butterfly creek, of about eighteen yards wide, and three miles from the Platte; on the north are high open plains and prairies, and at nine miles from the Platte, the Musquitoe creek, and two or three small willow islands. We stayed here several days, during which we dried our provisions, made new oars, and prepared our despatches and maps of the country we had passed, for the president of the United States, to whom we intend to send them by a periogue from this place. The hunters have found game scarce in this neighbourhood; they have seen deer, turkies, and grouse; we have also an abundance of ripe grapes; and one of our men caught a white catfish, the eyes of which were small, and its tail resembling that of a dolphin. The present season is that in which the Indians go out into the prairies to hunt the buffaloe; but as we discovered some hunter's tracks, and observed the plains on fire in the direction of their villages, we hoped that they might have returned to gather the green indian corn, and therefore despatched two men to the Ottoes or Pawnee villages with a present of tobacco, and an invitation to the chiefs to visit us. They returned after two days absence. Their first course was through an open prairie to the south, in which they crossed Butterfly creek. They then reached a small beautiful river, called Come de Cerf, or Elkhorn river, about one hundred yards wide, with clear water and a gravelly channel. It empties a little below the Ottoe village into the Platte, which they crossed, and arrived at the town about forty-five miles from our camp. They found no Indians there, though they saw some fresh tracks of a small party. The Ottoes were once a powerful nation, and lived about twenty miles above the Platte, on the southern bank of the Missouri. Being reduced, they migrated to the neighborhood of the Pawnees, under whose protection they now live. Their village is on the south side of the Platte, about thirty miles from its mouth; and their number is two hundred men, including about thirty families of Missouri Indians, who are incorporated with them. Five leagues above them, on the same side of the river, resides the nation of Pawnees. This people were among the most numerous of the Missouri Indians, but have gradually been dispersed and broken, and even since the year 1797, have undergone some sensible changes. They now consist of four bands; the first is the one just mentioned, of about five hundred men, to whom of late years have been added the second band, who are called republican Pawnees, from their having lived on the republican branch of the river Kansas, whence they emigrated to join the principal band of Pawnees: the republican Pawnees amount to nearly two hundred and fifty men. The third, are the Pawnees Loups, or Wolf Pawnees, who reside on the Wolf fork of the Platte, about ninety miles from the principal Pawnees, and number two hundred and eighty men. The fourth band originally resided on the Kansas and Arkansas, but in their wars with the Osages, they were so often defeated, that they at last retired to their present position on the Red river, where they form a tribe of four hundred men. All these tribes live in villages, and raise corn; but during the intervals of culture rove in the plains in quest of buffaloe.

Beyond them on the river, and westward of the Black mountains, are the Kaninaviesch, consisting of about four hundred men. They are supposed to have emigrated originally from the

Pawnees nation; but they have degenerated from the improvements of the parent tribe, and no longer live in villages, but rove through the plains.

Still further to the westward, are several tribes, who wander and hunt on the sources of the river Platte, and thence to Rock Mountain. These tribes, of which little more is known than the names and the population, are first, the Staitan, or Kite Indians, a small tribe of one hundred men. They have acquired the name of Kites, from their flying; that is, their being always on horseback; and the smallness of their numbers is to be attributed to their extreme ferocity; they are the most warlike of all the western Indians; they never yield in battle; they never spare their enemies; and the retaliation of this barbarity has almost extinguished the nation. Then come the Wetapahato, and Kiawa tribes, associated together, and amounting to two hundred men; the Castahana, of three hundred men, to which are to be added the Cataka of seventy-five men, and the Dotami. These wandering tribes, are conjectured to be the remnants of the Great Padouca nation, who occupied the country between the upper parts of the river Platte, and the river Kansas. They were visited by Bourgemont, in 1724, and then lived on the Kansas river. The seats, which he describes as their residence, are now occupied by the Kansas nation; and of the Padoucas, there does not now exist even the name.

July 27. Having completed the object of our stay, we set sail, with a pleasant breeze from the N.W. The two horses swam over to the southern shore, along which we went, passing by an island, at three and a half miles, formed by a pond, fed by springs: three miles further is a large sand island, in the middle of the river; the land on the south being high, and covered with timber; that on the north, a high prairie. At ten and a half miles from our encampment, we saw and examined a curious collection of graves or mounds, on the south side of the river. Not far from a low piece of land and a pond, is a tract of about two hundred acres in circumference, which is covered with mounds of different heights, shapes, and sizes: some of sand, and some of both earth and sand; the largest being nearest the river. These mounds indicate the position of the ancient village of the Ottoes, before they retired to the protection of the Pawnees. After making fifteen miles, we encamped on the south, on the bank of a high handsome prairie, with lofty cottonwood in groves, near the river.

July 28. At one mile, this morning we reached a bluff, on the north, being the first highlands, which approach the river on that side, since we left the Nadawa. Above this, is an island and a creek, about fifteen yards wide, which, as it has no name, we called Indian Knob creek, from a number of round knobs bare of timber, on the highlands, to the north. A little below the bluff, on the north, is the spot where the Ayauway Indians formerly lived. They were a branch of the Ottoes, and emigrated from this place to the river Desmoines. At ten and three quarter miles, we encamped on the north, opposite an island, in the middle of the river. The land, generally, on the north, consists of high prairie and hills, with timber: on the south, low and covered with cottonwood. Our hunter brought to us in the evening, a Missouri Indian, whom he had found, with two others, dressing an elk; they were perfectly friendly, gave him some of the meat, and one of them agreed to accompany him to the boat. He is one of the few remaining Missouris, who live with the Ottoes: he belongs to a small party, whose camp is four miles from the river; and he says, that the body of the nation is now hunting buffaloe in the plains: he appeared quite sprightly, and his language resembled that of the Osage, particularly in his calling a chief, inca. We sent him back with one of our party next morning,

Sunday, July 29, with an invitation to the Indians, to meet us above on the river, and then proceeded. We soon came to a northern bend in the river, which runs within twenty yards of Indian Knob creek, the water of which is five feet higher than that of the Missouri. In less than two miles, we passed Boyer's creek on the north, of twenty-five yards width. We stopped to dine under a shade, near the highland on the south, and caught several large catfish, one of them nearly white, and all very fat. Above this highland, we observed the traces of a great hurricane, which passed the river obliquely from N.W. to S.E. and tore up large trees, some of which perfectly sound, and four feet in diameter, were snapped off near the ground. We made ten miles to a wood on the north, where we encamped. The Missouri is much more crooked, since we passed the river Platte, though generally

speaking, not so rapid; more of prairie, with less timber, and cottonwood in the low grounds, and oak, black walnut, hickory, and elm.

July 30. We went early in the morning, three and a quarter miles, and encamped on the south, in order to wait for the Ottoes. The land here consists of a plain, above the highwater level, the soil of which is fertile, and covered with a grass from five to eight feet high, interspersed with copses of large plums, and a currant, like those of the United States. It also furnishes two species of honeysuckle; one growing to a kind of shrub, common about Harrodsburgh (Kentucky), the other is not so high: the flowers grow in clusters, are short, and of a light pink colour; the leaves too, are distinct, and do not surround the stalk, as do those of the common honeysuckle of the United States. Back of this plain, is a woody ridge about seventy feet above it, at the end of which we formed our camp. This ridge separates the lower from a higher prairie, of a good quality, with grass, of ten or twelve inches in height, and extending back about a mile, to another elevation of eighty or ninety feet, beyond which is one continued plain. Near our camp, we enjoy from the bluffs a most beautiful view of the river, and the adjoining country. At a distance, varying from four to ten miles, and of a height between seventy and three hundred feet, two parallel ranges of highland affords a passage to the Missouri, which enriches the low grounds between them. In its winding course, it nourishes the willow islands, the scattered cottonwood, elm, sycamore, lynn, and ash, and the groves are interspersed with hickory, walnut, coffeenut, and oak.

July 31. The meridian altitude of this day made the latitude of our camp $41^{\circ} 18' 1\text{-}4/10''$. The hunters supplied us with deer, turkies, geese, and beaver; one of the last was caught alive, and in a very short time was perfectly tamed. Catfish are very abundant in the river, and we have also seen a buffaloefish. One our men brought in yesterday an animal called, by the Pawnees, chocartoosh, and, by the French, blaireau, or badger. The evening is cool, yet the mosquitoes are still very troublesome.

We waited with much anxiety the return of our messenger to the Ottoes. The men whom we despatched to our last encampment, returned without having seen any appearance of its having been visited. Our horses too had strayed; but we were so fortunate as to recover them at the distance of twelve miles. Our apprehensions were at length relieved by the arrival of a party of about fourteen Ottoo and Missouri Indians, who came at sunset, on the second of August, accompanied by a Frenchman, who resided among them, and interpreted for us. Captains Lewis and Clarke went out to meet them, and told them that we would hold a council in the morning. In the mean time we sent them some roasted meat, pork, flour, and meal; in return for which they made us a present of watermelons. We learnt that our man Liberte had set out from their camp a day before them: we were in hopes that he had fatigued his horse, or lost himself in the woods, and would soon return; but we never saw him again.

August 8. The next morning the Indians, with their six chiefs, were all assembled under an awning, formed with the mainsail, in presence of all our party, paraded for the occasion. A speech was then made, announcing to them the change in the government, our promises of protection, and advice as to their future conduct. All the six chiefs replied to our speech, each in his turn, according to rank: they expressed their joy at the change in the government; their hopes that we would recommend them to their great father (the president), that they might obtain trade and necessaries; they wanted arms as well for hunting as for defence, and asked our mediation between them and the Mahas, with whom they are now at war. We promised to do so, and wished some of them to accompany us to that nation, which they declined, for fear of being killed by them. We then proceeded to distribute our presents. The grand chief of the nation not being of the party, we sent him a flag, a medal, and some ornaments for clothing. To the six chiefs who were present, we gave a medal of the second grade to one Ottoo chief, and one Missouri chief; a medal of the third grade to two inferior chiefs of each nation: the customary mode of recognizing a chief, being to place a medal round his neck, which is considered among his tribe as a proof of his consideration abroad. Each of these medals was accompanied by a present of paint, garters, and cloth ornaments of dress; and to this we added a cannister of powder, a

bottle of whiskey, and a few presents to the whole, which appeared to make them perfectly satisfied. The airgun too was fired, and astonished them greatly. The absent grand chief was an Ottoe named Weahrushhah, which, in English, degenerates into Little Thief. The two principal chieftains present were, Shongotongo, or Big Horse; and Wethea, or Hospitality; also Shosgusean, or White Horse, an Ottoe; the first an Ottoe, the second a Missouri. The incidents just related, induced us to give to this place the name of the Council-bluff; the situation of it is exceedingly favourable for a fort and trading factory, as the soil is well calculated for bricks, and there is an abundance of wood in the neighbourhood, and the air being pure and healthy. It is also central to the chief resorts of the Indians: one day's journey to the Ottoes; one and a half to the great Pawnees; two days from the Mahas; two and a quarter from the Pawnees Loups village; convenient to the hunting grounds of the Sioux; and twenty-five days journey to Santa Fee.

The ceremonies of the council being concluded, we set sail in the afternoon, and encamped at the distance of five miles, on the south side, where we found the musquitoes very troublesome.

August 4. A violent wind, accompanied by rain, purified and cooled the atmosphere last night; we proceeded early, and reached a very narrow part of the river, where the channel is confined within a space of two hundred yards, by a sand point on the north, and a bend on the south; the banks in the neighbourhood washing away, the trees falling in, and the channel filled with buried logs. Above this is a trading house, on the south, where one of our party passed two years, trading with the Mahas. At nearly four miles, is a creek on the south, emptying opposite a large island of sand; between this creek and our last night's encampment, the river has changed its bed, and encroached on the southern shore. About two miles further, is another creek on the south, which, like the former, is the outlet of three ponds, communicating with each other, and forming a small lake, which is fed by streams from the highlands. At fifteen miles, we encamped on the south. The hills on both sides of the river are nearly twelve or fifteen miles from each other; those of the north containing some timber, while the hills of south are without any covering, except some scattering wood in the ravines, and near where the creeks pass into the hills; rich plains and prairies occupying the intermediate space, and partially covered, near the water, with cottonwood. There has been a great deal of pumice stone on shore to-day.

August 5th. We set out early, and, by means of our oars, made twenty and a half miles, though the river was crowded with sandbars. On both sides the prairies extend along the river; the banks being covered with great quantities of grapes, of which three different species are now ripe; one large and resembling the purple grape. We had some rain this morning, attended by high wind; but generally speaking, have remarked that thunder storms are less frequent than in the Atlantic states, at this season. Snakes too are less frequent, though we killed one to-day of the shape and size of the rattlesnake, but of a lighter colour. We fixed our camp on the north side. In the evening, captain Clarke, in pursuing some game, in an eastern direction, found himself at the distance of three hundred and seventy yards from the camp, at a point of the river whence we had come twelve miles. When the water is high, this peninsula is overflowed, and judging from the customary and notorious changes in the river, a few years will be sufficient to force the main current of the river across, and leave the great bend dry. The whole lowland between the parallel range of hills seems formed of mud or ooze of the river, at some former period, mixed with sand and clay. The sand of the neighbouring banks accumulates with the aid of that brought down the stream, and forms sandbars, projecting into the river; these drive the channel to the opposite banks, the loose texture of which it undermines, and at length deserts its ancient bed for a new and shorter passage; it is thus that the banks of the Missouri are constantly falling, and the river changing its bed.

August 6. In the morning, after a violent storm of wind and rain from N.W. we passed a large island to the north. In the channel separating it from the shore, a creek called Soldier's river enters; the island kept it from our view, but one of our men who had seen it, represents it as about forty yards wide at its mouth. At five miles, we came to a bend of the river towards the north, a sandbar, running in from the south, had turned its course so as to leave the old channel quite dry. We again saw

the same appearance at our encampment, twenty and a half miles distant on the north side. Here the channel of the river had encroached south, and the old bed was without water, except a few ponds. The sandbars are still very numerous.

August 7. We had another storm from the N.W. in the course of the last evening; in the morning we proceeded, having the wind from the north, and encamped on the northern shore, having rowed seventeen miles. The river is here encumbered with sandbars, but no islands, except two small ones, called Detachment islands, and formed on the south side by a small stream.

We despatched four men back to the Ottoes village in quest of our man, Liberte, and to apprehend one of the soldiers, who left us on the 4th, under pretence of recovering a knife which he had dropped a short distance behind, and who we fear has deserted. We also sent small presents to the Ottoes and Missouris, and requested that they would join us at the Maha village, where a peace might be concluded between them.

August 8. At two miles distance, this morning we came to a part of the river, where there was concealed timber difficult to pass. The wind was from the N.W. and we proceeded in safety. At six miles, a river empties on the northern side, called by the Sioux Indians, Eaneahwadepon, or Stone river; and by the French, Petite Riviere des Sioux, or Little Sioux river. At its confluence it is eighty yards wide. Our interpreter, Mr. Durion, who has been to the sources of it, and knows the adjoining country, says that it rises within about nine miles of the river Desmoines; that within fifteen leagues of that river it passes through a large lake nearly sixty miles in circumference, and divided into two parts by rocks which approach each other very closely: its width is various: it contains many islands, and is known by the name of the Lac d'Esprit: it is near the Dogplains, and within four days march of the Mahas. The country watered by it, is open and undulating, and may be visited in boats up the river for some distance. The Desmoines, he adds, is about eighty yards wide where the Little Sioux river approaches it: it is shoaly, and one of its principal branches is called Cat river. Two miles beyond this river is a long island which we called Pelican island, from the numbers of that animal which were feeding on it: one of these being killed, we poured into his bag five gallons of water. An elk, too, was shot, and we had again to remark that snakes are rare in this part of the Missouri. A meridian altitude near the Little Sioux river made the latitude $41^{\circ} 42' 34''$. We encamped on the north, having come sixteen miles.

August 9. A thick fog detained us until past seven o'clock, after which we proceeded with a gentle breeze from the southeast. After passing two sandbars we reached, at seven and a half miles, a point of highland on the left, near which the river has forced itself a channel across a peninsula, leaving on the right a circuit of twelve or eighteen miles, which is now recognised by the ponds and islands it contains. At seventeen and a half miles, we reached a point on the north, where we encamped. The hills are at a great distance from the river for the last several days; the land, on both sides low, and covered with cottonwood and abundance of grape vines. An elk was seen to-day, a turkey also shot, and near our camp is a beaver den: the mosquitoes have been more troublesome than ever for the two last days.

August 10. At two and a half miles, we came to a place, called Coupee a Jacques, where the river has found a new bed, and abridged a circuit of several miles: at twelve and a half miles, a cliff of yellow stone on the left. This is the first highland near the river above the Council-bluff. After passing a number of sandbars we reached a willow island at the distance of twenty-two and a half miles, which we were enabled to do with our oars and a wind from the S.W. and encamped on the north side.

August 11. After a violent wind from the N.W. attended with rain, we sailed along the right of the island. At nearly five miles, we halted on the south side for the purpose of examining a spot where one of the great chiefs of the Mahas named Blackbird, who died about four years ago of the smallpox, was buried. A hill of yellow soft sandstone rises from the river in bluffs of various heights, till it ends in a knoll about three hundred feet above the water; on the top of this a mound, of twelve feet diameter at the base and six feet high, is raised over the body of the deceased king; a pole of

about eight feet high is fixed in the centre; on which we placed a white flag, bordered with red, blue, and white. The Blackbird seems to have been a personage of great consideration; for ever since his death he is supplied with provisions, from time to time, by the superstitious regard of the Mahas. We descended to the river and passed a small creek on the south, called, by the Mahas, Waucandipeeche, (Great Spirit is bad.) Near this creek and the adjoining hills the Mahas had a village, and lost four hundred of their nation by the dreadful malady which destroyed the Blackbird. The meridian altitude made the latitude $42^{\circ} 1' 3\text{-}8/10''$ north. We encamped, at seventeen miles distance, on the north side in a bend of the river. During our day's course it has been crooked; we observed a number of places in it where the old channel is filled up, or gradually becoming covered with willow and cottonwood; great numbers of herons are observed to-day, and the mosquitoes annoy us very much.

August 12. A gentle breeze from the south, carried us along about ten miles, when we stopped to take meridian altitude, and sent a man across to our place of observation: yesterday he stepped nine hundred and seventy-four yards, and the distance we had come round, was eighteen miles and three quarters. The river is wider and shallower than usual. Four miles beyond this bend a bluff begins, and continues several miles; on the south it rises from the water at different heights, from twenty to one hundred and fifty feet, and higher as it recedes on the river: it consists of yellow and brown clay, with soft sandstone imbedded in it, and is covered with timber, among which may be observed some red cedar: the lands on the opposite side are low and subject to inundation, but contain willows, cottonwood, and many grapes. A prairie-wolf came near the bank and barked at us; we attempted unsuccessfully to take him. This part of the river abounds in beaver. We encamped on a sand-island in a bend to the north, having made twenty miles and a quarter.

August 13. Set out at daylight with a breeze from the southeast, and passed several sandbars. Between ten and eleven miles, we came to a spot on the south, where a Mr. Mackay had a trading establishment in the year 1795 and 1796, which he called Fort Charles. At fourteen miles, we reached a creek on the south, on which the Mahas reside, and at seventeen miles and a quarter, formed a camp on a sandbar, to the south side of the river, opposite the lower point of a large island. From this place sergeant Ordway and four men were detached to the Maha village with a flag and a present, in order to induce them to come and hold a council with us. They returned at twelve o'clock the next day, August 14. After crossing a prairie covered with high grass, they reached the Maha creek, along which they proceeded to its three forks, which join near the village: they crossed the north branch and went along the south; the walk was very fatiguing, as they were forced to break their way through grass, sunflowers and thistles, all above ten feet high, and interspersed with wild pea. Five miles from our camp they reached the position of the ancient Maha village: it had once consisted of three hundred cabins, but was burnt about four years ago, soon after the smallpox had destroyed four hundred men, and a proportion of women and children. On a hill, in the rear of the village, are the graves of the nation; to the south of which runs the fork of the Maha creek: this they crossed where it was about ten yards wide, and followed its course to the Missouri, passing along a ridge of hill for one and a half mile, and a long pond between that and the Missouri: they then recrossed the Maha creek, and arrived at the camp, having seen no tracks of Indians nor any sign of recent cultivation.

In the morning 15th, some men were sent to examine the cause of a large smoke from the northeast, and which seemed to indicate that some Indians were near; but they found that a small party, who had lately passed that way, had left some trees burning, and that the wind from that quarter blew the smoke directly towards us. Our camp lies about three miles northeast from the old Maha village, and is in latitude $42^{\circ} 15' 41''$. The accounts we have had of the effects of the smallpox on that nation are most distressing; it is not known in what way it was first communicated to them, though probably by some war party. They had been a military and powerful people; but when these warriors saw their strength wasting before a malady which they could not resist, their phrenzy was extreme; they burnt their village, and many of them put to death their wives and children, to save them from so cruel an affliction, and that all might go together to some better country.

On the 16th, we still waited for the Indians: a party had gone out yesterday to the Maha creek, which was dammed up by the beaver between the camp and the village: a second went to-day. They made a kind of drag with small willows and bark, and swept the creek: the first company brought three hundred and eighteen, the second upwards of eight hundred, consisting of pike, bass, fish resembling salmon, trout, redhorse, buffaloe, one rockfish, one flatback, perch, catfish, a small species of perch called, on the Ohio, silverfish, a shrimp of the same size, shape and flavour of those about Neworleans, and the lower part of the Mississippi. We also found very fat muscles; and on the river as well as the creek, are different kinds of ducks and plover. The wind, which in the morning had been from the northwest, shifted round in the evening to the southeast, and as usual we had a breeze, which cooled the air and relieve us from the musquitoes, who generally give us great trouble.

Friday 17. The wind continued from the southeast, and the morning was fair. We observe about us a grass resembling wheat, except that the grain is like rye, also some similar to both rye and barley, and a kind of timothy, the seed of which branches from the main stock, and is more like a flaxseed than a timothy. In the evening, one of the party sent to the Ottoes, returned with the information that the rest were coming on with the deserter: they had also caught Liberte, but, by a trick, he made his escape: they were bringing three of the chiefs in order to engage our assistance in making peace with the Mahas. This nation having left their village, that desirable purpose cannot be effected; but in order to bring in any neighbouring tribes, we set the surrounding prairies on fire. This is the customary signal made by traders to apprise the Indians of their arrival: it is also used between different nations as an indication of any event which they have previously agreed to announce in that way; and as soon as it is seen collects the neighbouring tribes, unless they apprehend that it is made by their enemies.

August 18. In the afternoon the party arrived with the Indians, consisting of the Little Thief and the Big Horse, whom we had seen on the third, together with six other chiefs, and a French interpreter. We met them under a shade, and after they had finished a repast with which we supplied them, we inquired into the origin of the war between them and the Mahas, which they related with great frankness. It seems that two of the Missouris went to the Mahas to steal horses, but were detected and killed; the Ottoes and Missouris thought themselves bound to avenge their companions, and the whole nations were at last obliged to share in the dispute; they are also in fear of a war from the Pawnees, whose village they entered this summer, while the inhabitants were hunting, and stole their corn. This ingenuous confession did not make us the less desirous of negotiating a peace for them; but no Indians have as yet been attracted by our fire. The evening was closed by a dance; and the next day,

August 19, the chiefs and warriors being assembled at ten o'clock, we explained the speech we had already sent from the Council-bluffs, and renewed our advice. They all replied in turn, and the presents were then distributed: we exchanged the small medal we had formerly given to the Big Horse for one of the same size with that of Little Thief: we also gave a small medal to a third chief, and a kind of certificate or letter of acknowledgment to five of the warriors expressive of our favour and their good intentions: one of them dissatisfied, returned us the certificate; but the chief, fearful of our being offended, begged that it might be restored to him; this we declined, and rebuked them severely for having in view mere traffic instead of peace with their neighbours. This displeased them at first; but they at length all petitioned that it should be given to the warrior, who then came forward and made an apology to us; we then delivered it to the chief to be given to the most worthy, and he bestowed it on the same warrior, whose name was Great Blue Eyes. After a more substantial present of small articles and tobacco, the council was ended with a dram to the Indians. In the evening we exhibited different objects of curiosity, and particularly the airgun, which gave them great surprise. Those people are almost naked, having no covering, except a sort of breechcloth round the middle, with a loose blanket or buffaloe robe painted, thrown over them. The names of these warriors, besides those already mentioned were Karkapaha, (or Crow's head) and Nenasawa (or Black Cat) Missouris; and Sananona (or Iron Eyes) Neswaunja (or Big Ox) Stageaunja (or Big Blue Eyes) and Wasashaco

(or Brave Man) all Ottoes. These two tribes speak very nearly the same language: they all begged us to give them whiskey.

The next morning, August 20, the Indians mounted their horses and left us, having received a canister of whiskey at parting. We then set sail, and after passing two islands on the north, came to on that side under some bluffs; the first near the river since we left the Ayauwa village. Here we had the misfortune to lose one of our sergeants, Charles Floyd. He was yesterday seized with a bilious cholic, and all our care and attention were ineffectual to relieve him: a little before his death, he said to captain Clark, "I am going to leave you," his strength failed him as he added "I want you to write me a letter," but he died with a composure which justified the high opinion we had formed of his firmness and good conduct. He was buried on the top of the bluff with the honours due to a brave soldier; and the place of his interment marked by a cedar post, on which his name and the day of his death were inscribed. About a mile beyond this place, to which we gave his name, is a small river about thirty yards wide, on the north, which we called Floyd's river, where we encamped. We had a breeze from the southeast, and made thirteen miles.

August 21. The same breeze from the southeast carried us by a small willow creek on the north, about one mile and a half above Floyd's river. Here began a range of bluffs which continued till near the mouth of the great Sioux river, three miles beyond Floyd's. This river comes in from the north, and is about one hundred and ten yards wide. Mr. Durion, our Sioux interpreter, who is well acquainted with it, says that it is navigable upwards of two hundred miles to the falls, and even beyond them; that its sources are near those of the St. Peters. He also says, that below the falls a creek falls in from the eastward, after passing through cliffs of red rock: of this the Indians make their pipes; and the necessity of procuring that article, has introduced a sort of law of nations, by which the banks of the creek are sacred, and even tribes at war meet without hostility at these quarries, which possess a right of asylum. Thus we find even among savages certain principles deemed sacred, by which the rigours of their merciless system of warfare are mitigated. A sense of common danger, where stronger ties are wanting, gives all the binding force of more solemn obligations. The importance of preserving the known and settled rules of warfare among civilized nations, in all their integrity, becomes strikingly evident; since even savages, with their few precarious wants, cannot exist in a state of peace or war where this faith is once violated. The wind became southerly, and blew with such violence that we took a reef in our sail: it also blew the sand from the bars in such quantities, that we could not see the channel at any distance ahead. At four and a quarter miles, we came to two willow islands, beyond which are several sandbars; and at twelve miles, a spot where the Mahas once had a village, now no longer existing. We again passed a number of sandbars, and encamped on the south; having come twenty-four and three quarter miles. The country through which we passed has the same uniform appearance ever since we left the river Platte: rich low-grounds near the river, succeeded by undulating prairies, with timber near the waters. Some wolves were seen to-day on the sandbeaches to the south; we also procured an excellent fruit, resembling a red currant, growing on a shrub like the privy, and about the height of a wild plum.

August 22. About three miles distance, we joined the men who had been sent from the Maha village with our horses, and who brought us two deer. The bluffs or hills which reach the river at this place, on the south, contain allum, copperas, cobalt which had the appearance of soft isinglass, pyrites, and sandstone, the two first very pure. Above this bluff comes in a small creek on the south, which we call Rologe creek. Seven miles above is another cliff, on the same side, of allum rock, of a dark brown colour, containing in its crevices great quantities of cobalt, cemented shells, and red earth. From this the river bends to the eastward, and approaches the Sioux river within three or four miles. We sailed the greater part of the day, and made nineteen miles to our camp on the north side. The sandbars are as usual numerous: there are also considerable traces of elk; but none are yet seen. Captain Lewis in proving the quality of some of the substances in the first cliff, was considerably injured by the fumes and taste of the cobalt, and took some strong medicine to relieve

him from its effects. The appearance of these mineral substances enable us to account for disorders of the stomach, with which the party had been affected since they left the river Sioux. We had been in the habit of dipping up the water of the river inadvertently and making use of it, till, on examination, the sickness was thought to proceed from a scum covering the surface of the water along the southern shore, and which, as we now discovered, proceeded from these bluffs. The men had been ordered, before we reached the bluffs, to agitate the water, so as to disperse the scum, and take the water, not at the surface, but at some depth. The consequence was, that these disorders ceased: the biles too which had afflicted the men, were not observed beyond the Sioux river. In order to supply the place of sergeant Floyd, we permitted the men to name three persons, and Patrick Gass having the greatest number of votes was made a sergeant.

August 23. We set out early, and at four miles came to a small run between cliffs of yellow and blue earth: the wind, however, soon changed, and blew so hard from the west, that we proceeded very slowly; the fine sand from the bar being driven in such clouds, that we could scarcely see. Three and a quarter miles beyond this run, we came to a willow island, and a sand island opposite, and encamped on the south side, at ten and a quarter miles. On the north side is an extensive and delightful prairie, which we called Buffaloe prairie, from our having here killed the first buffaloe. Two elk swam the river to-day and were fired at, but escaped: a deer was killed from the boat; one beaver was killed; and several prairie wolves were seen.

August 24. It began to rain last night, and continued this morning: we proceeded, however, two and a quarter miles, to the commencement of a bluff of blue clay, about one hundred and eighty, or one hundred and ninety feet on the south side: it seems to have been lately on fire; and even now the ground is so warm that we cannot keep our hands in it at any depth: there are strong appearances of coal, and also great quantities of cobalt, or a crystalized substance resembling it. There is a fruit now ripe which looks like a currant, except that it is double the size, and grows on a bush like a privy, the size of a damson, and of a delicious flavour; its Indian name means rabbit-berries. We then passed, at the distance of about seven miles, the mouth of a creek on the north side, called by an Indian name, meaning Whitestone river. The beautiful prairie of yesterday, has changed into one of greater height, and very smooth and extensive. We encamped on the south side, at ten and a quarter miles, and found ourselves much annoyed by the mosquitoes.

CHAP. III

Whimsical instance of superstition of the Sioux Indians—Council held with the Sioux—Character of that tribe, their manners, &c.—A ridiculous instance of their heroism—Ancient fortifications—Quieurre river described—Vast herds of Buffaloe—Account of the Petit Chien or Little Dog—Narrow escape of George Shannon—Description of Whiteriver—Surprising fleetness of the Antelope—Pass the river of the Sioux—Description of the Grand Le Tour, or Great Bend—Encamp on the Teton river.

August 25. Captains Lewis and Clarke, with ten men, went to see an object deemed very extraordinary among all the neighbouring Indians. They dropped down to the mouth of Whitestone river, about thirty yards wide, where they left the boat, and at the distance of two hundred yards, ascended a rising ground, from which a plain extended itself as far as the eye could discern. After walking four miles, they crossed the creek where it is twenty-three yards wide, and waters an extensive valley. The heat was so oppressive that we were obliged to send back our dog to the creek, as he was unable to bear the fatigue; and it was not till after four hours march that we reached the object of our visit. This was a large mound in the midst of the plain about N. 20° W. from the mouth of Whitestone river, from which it is nine miles distant. The base of the mound is a regular parallelogram, the longest side being about three hundred yards, the shorter sixty or seventy: from the longest side it rises with a steep ascent from the north and south to the height of sixty-five or seventy feet, leaving on the top a level plain of twelve feet in breadth and ninety in length. The north and south extremities are connected by two oval borders which serve as new bases, and divide the whole side into three steep but regular gradations from the plain. The only thing characteristic in this hill is its extreme symmetry, and this, together with its being totally detached from the other hills which are at the distance of eight or nine miles, would induce a belief that it was artificial; but, as the earth and the loose pebbles which compose it, are arranged exactly like the steep grounds on the borders of the creek, we concluded from this similarity of texture that it might be natural. But the Indians have made it a great article of their superstition: it is called the mountain of Little People, or Little Spirits, and they believe that it is the abode of little devils, in the human form, of about eighteen inches high and with remarkably large heads; they are armed with sharp arrows, with which they are very skilful, and are always on the watch to kill those who should have the hardihood to approach their residence. The tradition is, that many have suffered from these little evil spirits, and among others, three Maha Indians fell a sacrifice to them a few years since. This has inspired all the neighbouring nations, Sioux, Mahas, and Ottoes, with such terror, that no consideration could tempt them to visit the hill. We saw none of these wicked little spirits; nor any place for them, except some small holes scattered over the top: we were happy enough to escape their vengeance, though we remained some time on the mound to enjoy the delightful prospect of the plain, which spreads itself out till the eye rests upon the N.W. hills at a great distance, and those of N.E. still farther off, enlivened by large herds of buffaloe feeding at a distance. The soil of these plains is exceedingly fine; there is, however, no timber except on the Missouri: all the wood of the Whitestone river not being sufficient to cover thickly one hundred acres. The plain country which surrounds this mound has contributed not a little to its bad reputation: the wind driving from every direction over the level ground obliges the insects to seek shelter on its leeward side, or be driven against us by the wind. The small birds, whose food they are, resort of course in great numbers in quest of subsistence; and the Indians always seem to discover an unusual assemblage of birds as produced by some supernatural cause: among them we observed the brown martin employed in looking for insects, and so gentle that they did not fly until we got within a few feet of them. We have also distinguished among numerous birds of the plain, the

blackbird, the wren or prairie bird, and a species of lark about the size of a partridge, with a short tail. The excessive heat and thirst forced us from the hill, about one o'clock, to the nearest water, which we found in the creek, at three miles distance, and remained an hour and a half. We then went down the creek, through a lowland about one mile in width, and crossed it three times, to the spot where we first reached it in the morning. Here we gathered some delicious plums, grapes and blue currants, and afterwards arrived at the mouth of the river about sunset. To this place the course from the mound is S. twenty miles, E. nine miles; we there resumed our periogue, and on reaching our encampment of last night set the prairies on fire, to warn the Sioux of our approach. In the mean time, the boat under serjeant Pryor had proceeded in the afternoon one mile, to a bluff of blue clay on the south, and after passing a sandbar and two sand islands fixed their camp at the distance of six miles on the south. In the evening some rain fell. We had killed a duck and several birds: in the boat, they had caught some large catfish.

Sunday, August 26. We rejoined the boat at nine o'clock before she set out, and then passing by an island, and under a cliff on the south, nearly two miles in extent and composed of white and blue earth, encamped at nine miles distance, on a sandbar towards the north. Opposite to this, on the south, is a small creek called Petit Arc or Little Bow, and a short distance above it, an old village of the same name. This village, of which nothing remains but the mound of earth about four feet high surrounding it, was built by a Maha chief named Little Bow, who being displeased with Blackbird, the late king, seceded with two hundred followers and settled at this spot, which is now abandoned, as the two villages have reunited since the death of Blackbird. We have great quantities of grapes, and plums of three kinds; two of a yellow colour, and distinguished by one of the species being longer than the other; and a third round and red: all have an excellent flavour, particularly those of the yellow kind.

August 27. The morning star appeared much larger than usual. A gentle breeze from the southeast carried us by some large sandbars, on both sides and in the middle of the river, to a bluff, on the south side, at seven and a half miles distant; this bluff is of white clay or chalk, under which is much stone, like lime, incrustated with a clear substance, supposed to be cobalt, and some dark ore. Above this bluff we set the prairie on fire, to invite the Sioux. After twelve and a half miles, we had passed several other sandbars, and now reached the mouth of a river called by the French Jacques (James river) or Yankton, from the tribe which inhabits its banks. It is about ninety yards wide at the confluence: the country which it waters is rich prairie, with little timber: it becomes deeper and wider above its mouth, and may be navigated a great distance; as its sources rise near those of St. Peter's, of the Mississippi, and the red river of lake Winnipeg. As we came to the mouth of the river, an Indian swam to the boat; and, on our landing, we were met by two others, who informed us that a large body of Sioux were encamped near us: they accompanied three of our men, with an invitation to meet us at a spot above the river: the third Indian remained with us: he is a Maha boy, and says that his nation have gone to the Pawnees to make peace with them. At fourteen miles, we encamped on a sandbar to the north. The air was cool, the evening pleasant, the wind from the southeast, and light. The river has fallen gradually, and is now low.

Tuesday, 28th. We passed, with a stiff breeze from the south, several sandbars. On the south is a prairie which rises gradually from the water to the height of a bluff, which is, at four miles distance, of a whitish colour, and about seventy or eighty feet high. Further on is another bluff, of a brownish colour, on the north side; and at the distance of eight and a half miles is the beginning of Calumet bluff, on the south side, under which we formed our camp, in a beautiful plain, to wait the arrival of the Sioux. At the first bluff the young Indian left us and joined their camp. Before reaching Calumet bluff one of the periogues ran upon a log in the river, and was rendered unfit for service; so that all our loading was put into the second periogue. On both sides of the river are fine prairies, with cotton wood; and near the bluff there is more timber in the points and valleys than we have been accustomed to see.

Wednesday, 29th. We had a violent storm of wind and rain last evening; and were engaged during the day in repairing the periogue, and other necessary occupations; when, at four o'clock in the afternoon, sergeant Pryor and his party arrived on the opposite side, attended by five chiefs, and about seventy men and boys. We sent a boat for them, and they joined us, as did also Mr. Durion, the son of our interpreter, who happened to be trading with the Sioux at this time. He returned with sergeant Pryor to the Indians, with a present of tobacco, corn, and a few kettles; and told them that we would speak to their chiefs in the morning. Sergeant Pryor reported, that on reaching their village, which is at twelve miles distance from our camp, he was met by a party with a buffaloe robe, on which they desired to carry their visitors: an honour which they declined, informing the Indians that they were not the commanders of the boats: as a great mark of respect, they were then presented with a fat dog, already cooked, of which they partook heartily, and found it well flavoured. The camps of the Sioux are of a conical form, covered with buffaloe robes, painted with various figures and colours, with an aperture in the top for the smoke to pass through. The lodges contain from ten to fifteen persons, and the interior arrangement is compact and handsome, each lodge having a place for cooking detached from it.

August 30th. Thursday. The fog was so thick that we could not see the Indian camp on the opposite side, but it cleared off about eight o'clock. We prepared a speech, and some presents, and then sent for the chiefs and warriors, whom we received, at twelve o'clock, under a large oak tree, near to which the flag of the United States was flying. Captain Lewis delivered a speech, with the usual advice and counsel for their future conduct. We then acknowledged their chiefs, by giving to the grand chief a flag, a medal, a certificate, with a string of wampum; to which we added a chief's coat; that is, a richly laced uniform of the United States artillery corps, and a cocked hat and red feather. One second chief and three inferior ones were made or recognised by medals, and a suitable present of tobacco, and articles of clothing. We then smoked the pipe of peace, and the chiefs retired to a bower, formed of bushes, by their young men, where they divided among each other the presents, and smoked and eat, and held a council on the answer which they were to make us to-morrow. The young people exercised their bows and arrows in shooting at marks for beads, which we distributed to the best marksmen; and in the evening the whole party danced until a late hour, and in the course of their amusement we threw among them some knives, tobacco, bells, tape, and binding, with which they were much pleased. Their musical instruments were the drum, and a sort of little bag made of buffaloe hide, dressed white, with small shot or pebbles in it, and a bunch of hair tied to it. This produces a sort of rattling music, with which the party was annoyed by four musicians during the council this morning.

August 31. In the morning, after breakfast, the chiefs met, and sat down in a row, with pipes of peace, highly ornamented, and all pointed towards the seats intended for captains Lewis and Clarke. When they arrived and were seated, the grand chief, whose Indian name, Weucha, is, in English Shake Hand, and, in French, is called Le Libérateur (the deliverer) rose, and spoke at some length, approving what we had said, and promising to follow our advice:

"I see before me," said he, "my great father's two sons. You see me, and the rest of our chiefs and warriors. We are very poor; we have neither powder nor ball, nor knives; and our women and children at the village have no clothes. I wish that as my brothers have given me a flag and a medal, they would give something to those poor people, or let them stop and trade with the first boat which comes up the river. I will bring chiefs of the Pawnees and Mahas together, and make peace between them; but it is better that I should do it than my great father's sons, for they will listen to me more readily. I will also take some chiefs to your country in the spring; but before that time I cannot leave home. I went formerly to the English, and they gave me a medal and some clothes: when I went to the Spanish they gave me a medal, but nothing to keep it from my skin; but now you give me a medal and clothes. But still we are poor; and I wish, brothers, you would give us something for our squaws."

"When he sat down, Mahtoree, or White Crane, rose:

"I have listened," said he, "to what our father's words were yesterday; and I am, to-day, glad to see how you have dressed our old chief. I am a young man, and do not wish to take much: my fathers have made me a chief: I had much sense before, but now I think I have more than ever. What the old chief has declared I will confirm, and do whatever he and you please: but I wish that you would take pity on us, for we are very poor."

Another chief, called Pawnawneahpahbe, then said;

"I am a young man, and know but little: I cannot speak well; but I have listened to what you have told the old chief, and will do whatever you agree."

The same sentiments were then repeated by Aweaweache.

We were surprised at finding that the first of these titles means "Struck by the Pawnee," and was occasioned by some blow which the chief had received in battle, from one of the Pawnee tribe. The second is, in English, "Half Man," which seems a singular name for a warrior, till it was explained to have its origin, probably, in the modesty of the chief; who, on being told of his exploits, would say, "I am no warrior: I am only half a man." The other chiefs spoke very little; but after they had finished, one of the warriors delivered a speech, in which he declared he would support them. They promised to make peace with the Ottoes and Missouris, the only nations with whom they are at war. All these harangues concluded by describing the distress of the nation: they begged us to have pity on them: to send them traders: that they wanted powder and ball; and seemed anxious that we should supply them with some of their great father's milk, the name by which they distinguish ardent spirits. We then gave some tobacco to each of the chiefs, and a certificate to two of the warriors who attended the chief. We prevailed on Mr. Durion to remain here, and accompany as many of the Sioux chiefs as he could collect, down to the seat of government. We also gave his son a flag, some clothes, and provisions, with directions to bring about a peace between the surrounding tribe, and to convey some of their chiefs to see the president. In the evening they left us, and encamped on the opposite bank, accompanied by the two Durions. During the evening and night we had much rain, and observed that the river rises a little. The Indians, who have just left us, are the Yanktons, a tribe of the great nation of Sioux. These Yanktons are about two hundred men in number; and inhabit the Jacques, Desmoines, and Sioux rivers. In person they are stout, well proportioned, and have a certain air of dignity and boldness. In their dress they differ nothing from the other bands of the nation whom we saw, and will describe afterwards: they are fond of decorations, and use paint, and porcupine quills, and feathers. Some of them wore a kind of necklace of white bear's claws, three inches long, and closely strung together round their necks. They have only a few fowling pieces, being generally armed with bows and arrows, in which, however, they do not appear as expert as the more northern Indians. What struck us most was an institution, peculiar to them, and to the Kite Indians, further to the westward, from whom it is said to have been copied. It is an association of the most active and brave young men, who are bound to each other by attachment, secured by a vow, never to retreat before any danger, or give way to their enemies. In war they go forward without sheltering themselves behind trees, or aiding their natural valour by any artifice. This punctilious determination, not to be turned from their course, became heroic, or ridiculous, a short time since, when the Yanktons were crossing the Missouri on the ice. A hole lay immediately in their course, which might easily have been avoided, by going round. This the foremost of the band disdained to do; but went straight forward, and was lost. The others would have followed his example, but were forcibly prevented by the rest of the tribe. These young men sit, and encamp, and dance together, distinct from the rest of the nation: they are generally about thirty or thirty-five years old; and such is the deference paid to courage, that their seats in council are superior to those of the chiefs, and their persons more respected. But, as may be supposed, such indiscreet bravery will soon diminish the numbers of those who practise it; so that the band is now reduced to four warriors, who were among our visitors. These were the remains of twenty-two, who composed the society not long ago; but, in a battle with the Kite Indians, of the Black Mountains, eighteen of them were killed, and these four were dragged from the field by their companions.

Whilst these Indians remained with us we made very minute inquiries relative to their situation and numbers, and trade, and manners. This we did very satisfactorily, by means of two different interpreters; and from their accounts, joined to our interviews with other bands of the same nation, and much intelligence acquired since, we were enabled to understand, with some accuracy, the condition of the Sioux hitherto so little known.

The Sioux, or Dacorta Indians, originally settled on the Mississippi, and called by Carver, Madowesians, are now subdivided into tribes, as follow:

First, The Yanktons: this tribe inhabits the Sioux, Desmoines, and Jacques rivers, and number about two hundred warriors.

Second, The Tetons of the burnt woods. This tribe numbers about three hundred men, who rove on both sides of the Missouri, the White, and Teton rivers.

Third. The Tetons Okandandas, a tribe consisting of about one hundred and fifty men, who inhabit both sides of the Missouri below the Chayenne river.

Fourth, Tetons Minnakenozzo, a nation inhabiting both sides of the Missouri, above the Chayenne river, and containing about two hundred and fifty men.

Fifth, Tetons Saone; these inhabit both sides of the Missouri below the Warreconne river, and consist of about three hundred men.

Sixth, Yanktons of the Plains, or Big Devils; who rove on the heads of the Sioux, Jacques, and Red river; the most numerous of all the tribes, and number about five hundred men.

Seventh, Wahpatone; a nation residing on the St. Peter's, just above the mouth of that river, and numbering two hundred men.

Eighth, Mindawarcarton, or proper Dacorta or Sioux Indians. These possess the original seat of the Sioux, and are properly so denominated. They rove on both sides of the Mississippi, about the falls of St. Anthony, and consist of three hundred men.

Ninth, The Wahpatoota, or Leaf Beds. This nation inhabits both sides of the river St. Peter's, below Yellow-wood river, amounting to about one hundred and fifty men.

Tenth, Sistasoone: this nation numbers two hundred men, and reside at the head of the St. Peter's. Of these several tribes, more particular notice will be taken hereafter.

Saturday, September 1, 1804. We proceeded this morning under a light southern breeze, and passed the Calumet bluffs; these are composed of a yellowish red, and brownish clay as hard as chalk, which it much resembles, and are one hundred and seventy, or one hundred and eighty feet high. At this place the hills on each side come to the verge of the river, those on the south being higher than on the north. Opposite the bluffs is a large island covered with timber; above which the highlands form a cliff over the river on the north side, called White Bear cliff; an animal of that kind being killed in one of the holes in it, which are numerous and apparently deep. At six miles we came to a large sand island covered with cottonwood; the wind was high, and the weather rainy and cloudy during the day. We made fifteen miles to a place on the north side, at the lower point of a large island called Bonhomme, or Goodman's island. The country on both sides has the same character of prairies, with no timber; with occasional lowlands covered with cottonwood, elm and oak: our hunters had killed an elk and a beaver: the catfish too are in great abundance.

September 2. It rained last night, and this morning we had a high wind from the N.W. We went three miles to the lower part of an ancient fortification on the south side, and passed the head of Bonhomme island, which is large and well timbered: after this the wind became so violent, attended by a cold rain, that we were compelled to land at four miles on the northern side, under a high bluff of yellow clay, about one hundred and ten feet in height. Our hunters supplied us with four elk; and we had grapes and plums on the banks: we also saw the beargrass and rue, on the side of the bluffs. At this place there are highlands on both sides of the river which become more level at some distance back, and contain but few streams of water. On the southern bank, during this day, the grounds have

not been so elevated. Captain Clarke crossed the river to examine the remains of the fortification we had just passed.

This interesting object is on the south side of the Missouri, opposite the upper extremity of Bonhomme island, and in a low level plain, the hills being three miles from the river. It begins by a wall composed of earth, rising immediately from the bank of the river and running in a direct course S. 76°, W. ninety six yards; the base of this wall or mound is seventy-five feet, and its height about eight. It then diverges in a course S. 84° W. and continues at the same height and depth to the distance of fifty-three yards, the angle being formed by a sloping descent; at the junction of these two is an appearance of a hornwork of the same height with the first angle: the same wall then pursues a course N. 69° W. for three hundred yards: near its western extremity is an opening or gateway at right angles to the wall, and projecting inwards; this gateway is defended by two nearly semicircular walls placed before it, lower than the large walls; and from the gateway there seems to have been a covered way communicating with the interval between these two walls: westward of the gate, the wall becomes much larger, being about one hundred and five feet at its base, and twelve feet high: at the end of this high ground the wall extends for fifty-six yards on a course N. 32° W; it then turns N. 23° W. for seventy-three yards: these two walls seems to have had a double or covered way; they are from ten to fifteen feet eight inches in height, and from seventy-five to one hundred and five feet in width at the base; the descent inwards being steep, whilst outwards it forms a sort of glacis. At the distance of seventy-three yards, the wall ends abruptly at a large hollow place much lower than the general level of the plain, and from which is some indication of a covered way to the water. The space between them is occupied by several mounds scattered promiscuously through the gorge, in the centre of which is a deep round hole. From the extremity of the last wall, in a course N. 32° W. is a distance of ninety-six yards over the low ground, where the wall recommences and crosses the plain in a course N. 81° W. for eighteen hundred and thirty yards to the bank of the Missouri. In this course its height is about eight feet, till it enters, at the distance of five hundred and thirty-three yards, a deep circular pond of seventy-three yards diameter; after which it is gradually lower, towards the river: it touches the river at a muddy bar, which bears every mark of being an encroachment of the water, for a considerable distance; and a little above the junction, is a small circular redoubt. Along the bank of the river, and at eleven hundred yards distance, in a straight line from this wall, is a second, about six feet high, and of considerable width: it rises abruptly from the bank of the Missouri, at a point where the river bends, and goes straight forward, forming an acute angle with the last wall, till it enters the river again, not far from the mounds just described, towards which it is obviously tending. At the bend the Missouri is five hundred yards wide; the ground on the opposite side highlands, or low hills on the bank; and where the river passes between this fort and Bonhomme island, all the distance from the bend, it is constantly washing the banks into the stream, a large sandbank being already taken from the shore near the wall. During the whole course of this wall, or glacis, it is covered with trees, among which are many large cotton trees, two or three feet in diameter. Immediately opposite the citadel, or the part most strongly fortified, on Bonhomme island, is a small work in a circular form, with a wall surrounding it, about six feet in height. The young willows along the water, joined to the general appearance of the two shores, induce a belief that the bank of the island is encroaching, and the Missouri indemnifies itself by washing away the base of the fortification. The citadel contains about twenty acres, but the parts between the long walls must embrace nearly five hundred acres.

These are the first remains of the kind which we have had an opportunity of examining; but our French interpreters assure us, that there are great numbers of them on the Platte, the Kansas, the Jacques, &c. and some of our party say, that they observed two of those fortresses on the upper side of the Petit Arc creek, not far from its mouth; that the wall was about six feet high, and the sides of the angles one hundred yards in length.

September 3. The morning was cold, and the wind from the northwest. We passed at sunrise, three large sandbars, and at the distance of ten miles reached a small creek, about twelve yards wide,

coming in from the north, above a white bluff: this creek has obtained the name of Plum creek, from the number of that fruit which are in the neighbourhood, and of a delightful quality. Five miles further, we encamped on the south near the edge of a plain; the river is wide, and covered with sandbars to-day: the banks are high and of a whitish colour; the timber scarce, but an abundance of grapes. Beaver houses too have been observed in great numbers on the river, but none of the animals themselves.

September 4. We set out early, with a very cold wind from S.S.E. and at one mile and a half, reached a small creek, called Whitelime creek, on the south side. Just above this is a cliff, covered with cedar trees, and at three miles a creek, called Whitepaint creek, of about thirty yards wide: on the same side, and at four and a half miles distance from the Whitepaint creek, is the Rapid river, or, as it is called by the French, la Riverequi Court; this river empties into the Missouri, in a course S.W. by W. and is one hundred and fifty-two yards wide, and four feet deep at the confluence. It rises in the Black mountains, and passes through a hilly country, with a poor soil. Captain Clark ascended three miles to a beautiful plain, on the upper side, where the Pawnees once had a village: he found that the river widened above its mouth, and much divided by sands and islands, which, joined to the great rapidity of the current, makes the navigation very difficult, even for small boats. Like the Platte its waters are of a light colour; like that river too it throws out into the Missouri, great quantities of sand, coarser even than that of the Platte, which form sandbars and shoals near its mouth.

We encamped just above it, on the south, having made only eight miles, as the wind shifted to the south, and blew so hard that in the course of the day we broke our mast: we saw some deer, a number of geese, and shot a turkey and a duck: the place in which we halted is a fine low-ground, with much timber, such as red cedar, honeylocust, oak, arrowwood, elm and coffeenut.

September 5, Wednesday. The wind was again high from the south. At five miles, we came to a large island, called Pawnee island, in the middle of the river; and stopped to breakfast at a small creek on the north, which has the name of Goat creek, at eight and a half miles. Near the mouth of this creek the beaver had made a dam across so as to form a large pond, in which they built their houses. Above this island the river Poncara falls into the Missouri from the south, and is thirty yards wide at the entrance. Two men whom we despatched to the village of the same name, returned with information that they had found it on the lower side of the creek; but as this is the hunting season, the town was so completely deserted that they had killed a buffaloe in the village itself. This tribe of Poncaras, who are said to have once numbered four hundred men, are now reduced to about fifty, and have associated for mutual protection with the Mahas, who are about two hundred in number. These two nations are allied by a similarity of misfortune; they were once both numerous, both resided in villages, and cultivated Indian corn; their common enemies, the Sioux and small-pox, drove them from their towns, which they visit only occasionally for the purposes of trade; and they now wander over the plains on the sources of the Wolf and Quieurre rivers. Between the Pawnee island and Goat creek on the north, is a cliff of blue earth, under which are several mineral springs, impregnated with salts: near this we observed a number of goats, from which the creek derives its name. At three and a half miles from the creek, we came to a large island on the south, along which we passed to the head of it, and encamped about four o'clock. Here we replaced the mast we had lost, with a new one of cedar: some bucks and an elk were procured to-day, and a black tailed deer was seen near the Poncara's village.

Thursday, September 6. There was a storm this morning from the N.W. and though it moderated, the wind was still high, and the weather very cold; the number of sandbars too, added to the rapidity of the current, obliged us to have recourse to the towline: with all our exertions we did not make more than eight and a half miles, and encamped on the north, after passing high cliffs of soft, blue, and red coloured stone, on the southern shore. We saw some goats, and great numbers of buffaloe, in addition to which the hunters furnished us with elk, deer, turkies, geese, and one beaver: a large catfish too was caught in the evening. The ground near the camp, was a low prairie, without timber, though just below is a grove of cottonwood.

Friday, September 7. The morning was very cold and the wind southeast. At five and a half miles, we reached and encamped at the foot of a round mountain, on the south, having passed two small islands. This mountain, which is about three hundred feet at the base, forms a cone at the top, resembling a dome at a distance, and seventy feet or more above the surrounding highlands. As we descended from this dome, we arrived at a spot, on the gradual descent of the hill, nearly four acres in extent, and covered with small holes: these are the residence of a little animal, called by the French, *petit chien* (little dog) who sit erect near the mouth, and make a whistling noise, but when alarmed take refuge in their holes. In order to bring them out, we poured into one of the holes five barrels of water without filling it, but we dislodged and caught the owner. After digging down another of the holes for six feet, we found, on running a pole into it, that we had not yet dug half way to the bottom: we discovered, however, two frogs in the hole, and near it we killed a dark rattlesnake, which had swallowed a small prairie dog: we were also informed, though we never witnessed the fact, that a sort of lizard, and a snake, live habitually with these animals. The *petit chien* are justly named, as they resemble a small dog in some particulars, though they have also some points of similarity to the squirrel. The head resembles the squirrel in every respect, except that the ear is shorter, the tail like that of the ground-squirrel, the toe-nails are long, the fur is fine, and the long hair is gray.

Saturday, September 8. The wind still continued from the southeast, but moderately. At seven miles we reached a house on the north side, called the Pawnee house, where a trader, named Trudeau, wintered in the year 1796-7: behind this, hills, much higher than usual, appear to the north, about eight miles off. Before reaching this house, we came by three small islands, on the north side, and a small creek on the south; and after leaving it, reached another, at the end of seventeen miles, on which we encamped, and called it Boat island: we here saw herds of buffaloe, and some elk, deer, turkies, beaver, a squirrel, and a prairie dog. The party on the north represent the country through which they passed, as poor, rugged, and hilly, with the appearance of having been lately burnt by the Indians; the broken hills, indeed, approach the river on both sides, though each is bordered by a strip of woodland near the water.

Sunday, September 9. We coasted along the island on which we had encamped, and then passed three sand and willow islands, and a number of smaller sandbars. The river is shallow, and joined by two small creeks from the north, and one from the south. In the plains, to the south, are great numbers of buffaloe, in herds of nearly five hundred; all the copses of timber appear to contain elk or deer. We encamped on a sandbar, on the southern shore, at the distance of fourteen and a quarter miles.

September 10, Monday. The next day we made twenty miles. The morning was cloudy and dark, but a light breeze from the southeast carried us past two small islands on the south, and one on the north; till, at the distance of ten and a half miles, we reached an island, extending for two miles in the middle of the river, covered with red cedar, from which it derives its name of Cedar island. Just below this island, on a hill, to the south, is the backbone of a fish, forty-five feet long, tapering towards the tail, and in a perfect state of petrification, fragments of which were collected and sent to Washington. On both sides of the river are high dark-coloured bluffs. About a mile and a half from the island, on the southern shore, the party on that side discovered a large and very strong impregnated spring of water; and another, not so strongly impregnated, half a mile up the hill. Three miles beyond Cedar island is a large island on the north, and a number of sandbars. After which is another, about a mile in length, lying in the middle of the river, and separated by a small channel, at its extremity, from another above it, on which we encamped. These two islands are called Mud islands. The river is shallow during this day's course, and is falling a little. The elk and buffaloe are in great abundance, but the deer have become scarce,

September 11, Tuesday. At six and a half miles we passed the upper extremity of an island on the south; four miles beyond which is another on the same side of the river; and about a quarter of a mile distant we visited a large village of the barking-squirrel. It was situated on a gentle declivity, and covered a space of nine hundred and seventy yards long, and eight hundred yards wide; we killed

four of them. We then resumed our course, and during five and a half miles passed two islands on the north, and then encamped at the distance of sixteen miles, on the south side of the river, and just above a small run. The morning had been cloudy, but in the afternoon it began raining, with a high northwest wind, which continued during the greater part of the night. The country seen to-day consists of narrow strips of lowland, rising into uneven grounds, which are succeeded, at the distance of three miles, by rich and level plains, but without any timber. The river itself is wide, and crowded with sandbars. Elk, deer, squirrels, a pelican, and a very large porcupine, were our game this day; some foxes too were seen, but not caught.

In the morning we observed a man riding on horseback down towards the boat, and we were much pleased to find that it was George Shannon, one of our party, for whose safety we had been very uneasy. Our two horses having strayed from us on the 26th of August, he was sent to search for them. After he had found them he attempted to rejoin us, but seeing some other tracks, which must have been those of Indians, and which he mistook for our own, he concluded that we were ahead, and had been for sixteen days following the bank of the river above us. During the first four days he exhausted his bullets, and was then nearly starved, being obliged to subsist, for twelve days, on a few grapes, and a rabbit which he killed by making use of a hard piece of stick for a ball. One of his horses gave out, and was left behind; the other he kept as a last resource for food. Despairing of overtaking us, he was returning down the river, in hopes of meeting some other boat; and was on the point of killing his horse, when he was so fortunate as to join us.

Wednesday, September 12. The day was dark and cloudy; the wind from the northwest. At a short distance we reached an island in the middle of the river, which is covered with timber, a rare object now. We with great difficulty were enabled to struggle through the sandbars, the water being very rapid and shallow, so that we were several hours in making a mile. Several times the boat wheeled on the bar, and the men were obliged to jump out and prevent her from upsetting; at others, after making a way up one channel, the shoalness of the water forced us back to seek the deep channel. We advanced only four miles in the whole day and encamped on the south. Along both sides of the river are high grounds; on the southern side particularly, they form dark bluffs, in which may be observed slate and coal intermixed. We saw also several villages of barking-squirrels; great numbers of grouse, and three foxes.

September 13, Thursday. We made twelve miles to-day through a number of sandbars, which make it difficult to find the proper channel. The hills on each side are high, and separated from the river by a narrow plain on its borders. On the north, these lowlands are covered in part with timber, and great quantities of grapes, which are now ripe: on the south we found plenty of plums, but they are not yet ripe; and near the dark bluffs, a run tainted with allum and copperas; the southern side being more strongly impregnated with minerals than the northern. Last night four beaver were caught in the traps; a porcupine was shot as it was upon a cottontree, feeding on its leaves and branches. We encamped on the north side, opposite to a small willow island. At night the mosquitoes were very troublesome, though the weather was cold and rainy and the wind from the northwest.

Friday, September 14. At two miles we reached a round island on the northern side; at about five, a run on the south; two and a half miles further, a small creek; and at nine miles encamped near the mouth of a creek, on the same side. The sandbars are very numerous, and render the river wide and shallow, and obliged the crew to get into the water and drag the boat over the bars several times. During the whole day we searched along the southern shore, and at some distance into the interior, to find an ancient volcano which we heard at St. Charles was somewhere in this neighbourhood; but we could not discern the slightest appearance of any thing volcanic. In the course of their search the party shot a buck-goat and a hare. The hills, particularly on the south, continue high, but the timber is confined to the islands and banks of the river. We had occasion here to observe the rapid undermining of these hills by the Missouri: the first attacks seem to be on the hills which overhang the river; as soon as the violence of the current destroys the grass at the foot of them, the whole texture appears

loosened, and the ground dissolves and mixes with the water: the muddy mixture is then forced over the low-grounds, which it covers sometimes to the depth of three inches, and gradually destroys the herbage; after which it can offer no resistance to the water, and becomes at last covered with sand.

Saturday, September 15. We passed, at an early hour, the creek near our last night's encampment; and at two miles distance reached the mouth of White river, coming in from the south. We ascended a short distance, and sent a sergeant and another man to examine it higher up. This river has a bed of about three hundred yards, though the water is confined to one hundred and fifty: in the mouth is a sand island, and several sandbars. The current is regular and swift, with sandbars projecting from the points. It differs very much from the Platte, and Quieurre, in throwing out, comparatively, little sand, but its general character is like that of the Missouri. This resemblance was confirmed by the sergeant, who ascended about twelve miles; at which distance it was about the same width as near the mouth, and the course, which was generally west, had been interrupted by islands and sandbars. The timber consisted chiefly of elm; they saw pine burrs, and sticks of birch were seen floating down the river; they had also met with goats, such as we have heretofore seen; great quantities of buffaloe, near to which were wolves, some deer, and villages of barking squirrels. At the confluence of White river with the Missouri is an excellent position for a town; the land rising by three gradual ascents, and the neighbourhood furnishing more timber than is usual in this country. After passing high dark bluffs on both sides, we reached the lower point of an island towards the south, at the distance of six miles. The island bears an abundance of grapes, and is covered with red cedar: it also contains a number of rabbits. At the end of this island, which is small, a narrow channel separates it from a large sand island, which we passed, and encamped, eight miles on the north, under a high point of land opposite a large creek to the south, on which we observe an unusual quantity of timber. The wind was from the northwest this afternoon, and high, the weather cold, and its dreariness increased by the howlings of a number of wolves around us.

September 16, Sunday. Early this morning, having reached a convenient spot on the south side, and at one mile and a quarter distance, we encamped just above a small creek, which we called Corvus, having killed an animal of that genus near it. Finding that we could not proceed over the sandbars, as fast as we desired, while the boat was so heavily loaded, we concluded not to send back, as we originally intended, our third periogue, but to detain the soldiers until spring, and in the mean time lighten the boat by loading the periogue: this operation, added to that of drying all our wet articles, detained us during the day. Our camp is in a beautiful plain, with timber thinly scattered for three quarters of a mile, and consisting chiefly of elm, cottonwood, some ash of an indifferent quality, and a considerable quantity of a small species of white oak: this tree seldom rises higher than thirty feet, and branches very much; the bark is rough, thick and of a light colour; the leaves small, deeply indented, and of a pale green; the cup which contains the acorn is fringed on the edges, and embraces it about one half: the acorn itself, which grows in great profusion, is of an excellent flavour, and has none of the roughness which most other acorns possess; they are now falling, and have probably attracted the number of deer which we saw on this place, as all the animals we have seen are fond of that food. The ground having been recently burnt by the Indians, is covered with young green grass, and in the neighbourhood are great quantities of fine plums. We killed a few deer for the sake of their skins, which we wanted to cover the perioques, the meat being too poor for food: the cold season coming on, a flannel shirt was given to each man, and fresh powder to those who had exhausted their supply.

Monday, September 16. Whilst some of the party were engaged in the same way as yesterday, others were employed in examining the surrounding country. About a quarter of a mile behind our camp, and at an elevation of twenty feet above it, a plain extends nearly three miles parallel to the river, and about a mile back to the hills, towards which it gradually ascends. Here we saw a grove of plum-trees loaded with fruit, now ripe, and differing in nothing from those of the Atlantic states, except that the tree is smaller and more thickly set. The ground of the plain is occupied by the burrows of

multitudes of barking squirrels, who entice hither the wolves of a small kind, hawks, and polecats, all of which animals we saw, and presumed that they fed on the squirrel. This plain is intersected nearly in its whole extent by deep ravines and steep irregular rising grounds from one to two hundred feet. On ascending the range of hills which border the plain, we saw a second high level plain stretching to the south as far as the eye could reach. To the westward, a high range of hills about twenty miles distant runs nearly north and south, but not to any great extent, as their rise and termination is embraced by one view, and they seemed covered with a verdure similar to that of the plains. The same view extended over the irregular hills which border the northern side of the Missouri; all around the country had been recently burnt, and a young green grass about four inches high covered the ground, which was enlivened by herds of antelopes and buffaloe; the last of which were in such multitudes, that we cannot exaggerate in saying that at a single glance we saw three thousand of them before us. Of all the animals we had seen the antelope seems to possess the most wonderful fleetness: shy and timorous they generally repose only on the ridges, which command a view of all the approaches of an enemy: the acuteness of their sight distinguishes the most distant danger, the delicate sensibility of their smell defeats the precautions of concealment, and when alarmed their rapid career seems more like the flight of birds than the movements of an earthly being. After many unsuccessful attempts, captain Lewis at last, by winding around the ridges, approached a party of seven, which were on an eminence, towards which the wind was unfortunately blowing. The only male of the party frequently encircled the summit of the hill, as if to announce any danger to the females, who formed a group at the top. Although they did not see captain Lewis, the smell alarmed them, and they fled when he was at the distance of two hundred yards: he immediately ran to the spot where they had been, a ravine concealed them from him, but the next moment they appeared on a second ridge at the distance of three miles. He doubted whether it could be the same, but their number and the extreme rapidity with which they continued their course, convinced him that they must have gone with a speed equal to that of the most distinguished racehorse. Among our acquisitions to-day was a mule-deer, a magpie, the common deer, and buffaloe: captain Lewis also saw a hare, and killed a rattlesnake near the burrows of the barking squirrels.

Tuesday, September 18. Having everything in readiness we proceeded, with the boat much lightened, but the wind being from the N.W. we made but little way. At one mile we reached an island in the middle of the river, nearly a mile in length, and covered with red cedar; at its extremity a small creek comes in from the north; we then met some sandbars, and the wind being very high and ahead, we encamped on the south, having made only seven miles. In addition to the common deer, which were in great abundance, we saw goats, elk, buffaloe, the black tailed deer; the large wolves too are very numerous, and have long hair with coarse fur, and are of a light colour. A small species of wolf about the size of a gray fox was also killed, and proved to be the animal which we had hitherto mistaken for a fox: there are also many porcupines, rabbits, and barking squirrels in the neighbourhood.

September 19. We this day enjoyed a cool clear morning, and a wind from the southeast. We reached at three miles a bluff on the south, and four miles farther, the lower point of Prospect island, about two and a half miles in length; opposite to this are high bluffs, about eighty feet above the water, beyond which are beautiful plains gradually rising as they recede from the river: these are watered by three streams which empty near each other; the first is about thirty-five yards wide, the ground on its sides high and rich, with some timber; the second about twelve yards wide, but with less timber; the third is nearly of the same size, and contains more water, but it scatters its waters over the large timbered plain, and empties itself into the river at three places. These rivers are called by the French *Les trois rivières des Sioux*, the three Sioux rivers; and as the Sioux generally cross the Missouri at this place, it is called the Sioux pass of the three rivers. These streams have the same right of asylum, though in a less degree than Pipestone creek already mentioned.

Two miles from the island we passed a creek fifteen yards wide; eight miles further, another twenty yards wide; three miles beyond which, is a third of eighteen yards width, all on the south side: the second which passes through a high plain we called Elm creek; to the third we gave the name of Night creek, having reached it late at night. About a mile beyond this is a small island on the north side of the river, and is called Lower island, as it is situated at the commencement of what is known by the name of the Grand Detour, or Great Bend of the Missouri. Opposite is a creek on the south about ten yards wide, which waters a plain where there are great numbers of the prickley pear, which name we gave to the creek. We encamped on the south, opposite the upper extremity of the island, having made an excellent day's sail of twenty six and a quarter miles. Our game this day consisted chiefly of deer, of these four were black tails, one a buck with two main prongs of horns on each side and forked equally. Large herds of buffaloe, elk and goats, were also seen.

Thursday, September 20. Finding we had reached the Big Bend, we despatched two men with our only horse across the neck, to hunt there and wait our arrival at the first creek beyond it. We then set out with fair weather and the wind from S.E. to make the circuit of the bend. Near the lower island the sandbars are numerous, and the river shallow. At nine and a half miles is a sand island, on the southern side. About ten miles beyond it is a small island on the south, opposite to a small creek on the north. This island, which is near the N.W. extremity of the bend, is called Solitary island. At about eleven miles further, we encamped on a sandbar, having made twenty-seven and a half miles. Captain Clarke, who early this morning had crossed the neck of the bend, joined us in the evening. At the narrowest part, the gorge is composed of high and irregular hills of about one hundred and eighty or one hundred and ninety feet in elevation; from this descends an unbroken plain over the whole of the bend, and the country is separated from it by this ridge. Great numbers of buffaloe, elk, and goats are wandering over these plains, accompanied by grouse and larks. Captain Clarke saw a hare also, on the Great Bend. Of the goats killed to-day, one is a female differing from the male in being smaller in size; its horns too are smaller and straighter, having one short prong, and no black about the neck: none of these goats have any beard, but are delicately formed, and very beautiful.

Friday, September 21. Between one and two o'clock the serjeant on guard alarmed us, by crying that the sandbar on which we lay was sinking; we jumped up, and found that both above and below our camp the sand was undermined and falling in very fast: we had scarcely got into the boats and pushed off, when the bank under which they had been lying, fell in, and would certainly have sunk the two periogues if they had remained there. By the time we reached the opposite shore the ground of our encampment sunk also. We formed a second camp for the rest of the night; and at daylight proceeded on to the gorge or throat of the Great Bend, where we breakfasted. A man, whom we had despatched to step off the distance across the bend, made it two thousand yards: the circuit is thirty miles. During the whole course, the land of the bend is low, with occasional bluffs; that on the opposite side, high prairie ground, and long ridges of dark bluffs. After breakfast, we passed through a high prairie on the north side, and a rich cedar lowland and cedar bluff on the south, till we reached a willow island below the mouth of a small creek. This creek, called Tyler's river, is about thirty-five yards wide, comes in on the south, and is at the distance of six miles from the neck of the Great Bend. Here we found a deer, and the skin of a white wolf, left us by our hunters ahead: large quantities of different kinds of plover and brants are in this neighbourhood, and seen collecting and moving towards the south; the catfish are small, and not in such plenty as we had found them below this place. We passed several sandbars, which make the river very shallow and about a mile in width, and encamped on the south, at the distance of eleven and a half miles. On each side the shore is lined with hard rough gulleystones, rolled from the hills and small brooks. The most common timber is the cedar, though, in the prairies, there are great quantities of the prickly pear. From this place we passed several sandbars, which make the river shallow, and about a mile in width. At the distance of eleven and a half miles, we encamped on the north at the lower point of an ancient island, which has since been connected with the main land by the filling up of the northern channel, and

is now covered with cottonwood. We here saw some tracks of Indians, but they appeared three or four weeks old. This day was warm.

September 22. A thick fog detained us until seven o'clock; our course was through inclined prairies on each side of the river, crowded with buffaloe. We halted at a point on the north side, near a high bluff on the south, and took a meridian altitude, which gave us the latitude of $44^{\circ} 11' 33\text{-}3/10''$. On renewing our course, we reached first a small island on the south, at the distance of four and a half miles, immediately above which is another island opposite to a creek fifteen yards wide. This creek, and the two islands, one of which is half a mile long, and the second three miles, are called the Three Sisters: a beautiful plain extending on both sides of the river. This is followed by an island on the north, called Cedar island, about one mile and a half in length and the same distance in breadth, and deriving its name from the quality of the timber. On the south side of this island, is a fort and a large trading house, built by a Mr. Loisel, who wintered here during the last year, in order to trade with the Sioux, the remains of whose camps are in great numbers about this place. The establishment is sixty or seventy feet square, built with red cedar and picketted in with the same materials. The hunters who had been sent ahead joined us here. They mention that the hills are washed in gullies, in passing over which, some mineral substances had rotted and destroyed their moccasins; they had killed two deer and a beaver. At sixteen miles distance we came to on the north side at the mouth of a small creek. The large stones which we saw yesterday on the shores are now some distance in the river, and render the navigation dangerous. The musquitoes are still numerous in the low grounds.

Sunday, September 23. We passed, with a light breeze from the southeast, a small island on the north, called Goat island; above which is a small creek, called by the party Smoke creek, as we observed a great smoke to the southwest on approaching it. At ten miles we came to the lower point of a large island, having passed two small willow islands with sandbars projecting from them. This island, which we called Elk island, is about two and a half miles long, and three quarters of a mile wide, situated near the south, and covered with cottonwood, the red currant, and grapes. The river is here almost straight for a considerable distance, wide and shallow, with many sandbars. A small creek on the north, about sixteen yards wide, we called Reuben's creek; as Reuben Fields, one of our men, was the first of the party who reached it. At a short distance above this we encamped for the night, having made twenty miles. The country, generally, consists of low, rich, timbered ground on the north, and high barren lands on the south: on both sides great numbers of buffaloe are feeding. In the evening three boys of the Sioux nation swam across the river, and informed us that two parties of Sioux were encamped on the next river, one consisting of eighty, and the second of sixty lodges, at some distance above. After treating them kindly we sent them back with a present of two carrots of tobacco to their chiefs, whom we invited to a conference in the morning.

Monday, September 24. The wind was from the east, and the day fair; we soon passed a handsome prairie on the north side, covered with ripe plums, and the mouth of a creek on the south, called Highwater creek, a little above our encampment. At about five miles we reached an island two and a half miles in length, and situated near the south. Here we were joined by one of our hunters, who procured four elk, but whilst he was in pursuit of the game the Indians had stolen his horse. We left the island, and soon overtook five Indians on the shore: we anchored and told them from the boat we were friends and wished to continue so, but were not afraid of any Indians; that some of their young men had stolen the horse which their great father had sent for their great chief, and that we could not treat with them until he was restored. They said that they knew nothing of the horse, but if he had been taken he should be given up. We went on, and at eleven and a half miles, passed an island on the north, which we called Good-humoured island; it is about one and a half miles long, and abounds in elk. At thirteen and a half miles, we anchored one hundred yards off the mouth of a river on the south side, where we were joined by both the periogues and encamped; two thirds of the party remained on board, and the rest went as a guard on shore with the cooks and one periogue; we have seen along the sides of the hills on the north a great deal of stone; besides the elk, we also

observed a hare; the five Indians whom we had seen followed us, and slept with the guard on shore. Finding one of them was a chief we smoked with him, and made him a present of tobacco. This river is about seventy yards wide, and has a considerable current. As the tribe of the Sioux which inhabit it are called Teton, we gave it the name of Teton river.

CHAP. IV

Council held with the Tetons—Their manners, dances, &c.—Chayenne River—Council held with the Ricara Indians—Their manners and habits—Strange instance of Ricara idolatry—Another instance—Cannonball river—Arrival among the Mandans—Character of the surrounding country, and of the creeks, islands, &c.

September 25. The morning was fine, and the wind continued from the southeast. We raised a flagstaff and an awning, under which we assembled at twelve o'clock, with all the party parading under arms. The chiefs and warriors from the camp two miles up the river, met us, about fifty or sixty in number, and after smoking delivered them a speech; but as our Sioux interpreter, Mr. Durion, had been left with the Yanktons, we were obliged to make use of a Frenchman who could not speak fluently, and therefore we curtailed our harangue. After this we went through the ceremony of acknowledging the chiefs, by giving to the grand chief a medal, a flag of the United States, a laced uniform coat, a cocked hat and feather: to the two other chiefs a medal and some small presents; and to two warriors of consideration certificates. The name of the great chief is Untongasabaw, or Black Buffaloe; the second Tortohonga, or the Partisan; the third Tartongawaka, or Buffaloe Medicine: the name of one of the warriors was Wawzinggo; that of the second Matocoquepa, or Second Bear. We then invited the chiefs on board, and showed them the boat, the airgun, and such curiosities as we thought might amuse them: In this we succeeded too well; for after giving them a quarter of a glass of whiskey, which they seemed to like very much, and sucked the bottle, it was with much difficulty that we could get rid of them. They at last accompanied captain Clarke on shore in a periogue with five men; but it seems they had formed a design to stop us; for no sooner had the party landed than three of the Indians seized the cable of the periogue, and one of the soldiers of the chief put his arms round the mast: the second chief who affected intoxication, then said, that we should not go on, that they had not received presents enough from us; captain Clarke told him that he would not be prevented from going on; that we were not squaws, but warriors; that we were sent by our great father, who could in a moment exterminate them: the chief replied, that he too had warriors, and was proceeding to offer personal violence to captain Clarke, who immediately drew his sword, and made a signal to the boat to prepare for action. The Indians who surrounded him, drew their arrows from their quivers and were bending their bows, when the swivel in the boat was instantly pointed towards them, and twelve of our most determined men jumped into the periogue and joined captain Clarke. This movement made an impression on them, for the grand chief ordered the young men away from the periogue, and they withdrew and held a short council with the warriors. Being unwilling to irritate them, captain Clarke then went forward and offered his hand to the first and second chiefs, who refused to take it. He then turned from them and got into the periogue, but had not gone more than ten paces when both the chiefs and two of the warriors waded in after him, and he brought them on board. We then proceeded on for a mile and anchored off a willow island, which from the circumstances which had just occurred, we called Badhumoured island.

Wednesday, September 26. Our conduct yesterday seemed to have inspired the Indians with fear of us, and as we were desirous of cultivating their acquaintance, we complied with their wish that we should give them an opportunity of treating us well, and also suffer their squaws and children to see us and our boat, which would be perfectly new to them. Accordingly, after passing at one and a half mile a small willow island and several sandbars, we came to on the south side, where a crowd of men, women and children were waiting to receive us. Captain Lewis went on shore and remained several hours, and observing that their disposition was friendly we resolved to remain during the night to a dance, which they were preparing for us. Captains Lewis and Clarke, who went on shore one after the other, were met on landing by ten well dressed young men, who took them up in a robe highly

decorated and carried them to a large council house, where they were placed on a dressed buffaloe skin by the side of the grand chief. The hall or council-room was in the shape of three quarters of a circle, covered at the top and sides with skins well dressed and sewed together. Under this shelter sat about seventy men, forming a circle round the chief, before whom were placed a Spanish flag and the one we had given them yesterday. This left a vacant circle of about six feet diameter, in which the pipe of peace was raised on two forked sticks, about six or eight inches from the ground, and under it the down of the swan was scattered: a large fire, in which they were cooking provisions, stood near, and in the centre about four hundred pounds of excellent buffaloe meat as a present for us. As soon as we were seated, an old man got up, and after approving what we had done, begged us to take pity on their unfortunate situation. To this we replied with assurances of protection. After he had ceased, the great chief rose and delivered an harangue to the same effect: then with great solemnity he took some of the most delicate parts of the dog, which was cooked for the festival, and held it to the flag by way of sacrifice: this done, he held up the pipe of peace, and first pointed it towards the heavens, then to the four quarters of the globe, and then to the earth, made a short speech, lighted the pipe, and presented it to us. We smoked, and he again harangued his people, after which the repast was served up to us. It consisted of the dog which they had just been cooking, this being a great dish among the Sioux and used on all festivals; to this were added, pemitigon, a dish made of buffaloe meat, dried or jerked, and then pounded and mixed raw with grease and a kind of ground potatoe, dressed like the preparation of Indian corn called hominy, to which it is little inferior. Of all these luxuries which were placed before us in platters with horn spoons, we took the pemitigon and the potatoe, which we found good, but we could as yet partake but sparingly of the dog. We eat and smoked for an hour, when it became dark: every thing was then cleared away for the dance, a large fire being made in the centre of the house, giving at once light and warmth to the ballroom. The orchestra was composed of about ten men, who played on a sort of tambourin, formed of skin stretched across a hoop; and made a jingling noise with a long stick to which the hoofs of deer and goats were hung; the third instrument was a small skin bag with pebbles in it: these, with five or six young men for the vocal part, made up the band. The women then came forward highly decorated; some with poles in their hands, on which were hung the scalps of their enemies; others with guns, spears or different trophies, taken in war by their husbands, brothers, or connexions. Having arranged themselves in two columns, one on each side of the fire, as soon as the music began they danced towards each other till they met in the centre, when the rattles were shaken, and they all shouted and returned back to their places. They have no step, but shuffle along the ground; nor does the music appear to be any thing more than a confusion of noises, distinguished only by hard or gentle blows upon the buffaloe skin: the song is perfectly extemporaneous. In the pauses of the dance, any man of the company comes forward and recites, in a sort of low guttural tone, some little story or incident, which is either martial or ludicrous; or, as was the case this evening, voluptuous and indecent; this is taken up by the orchestra and the dancers, who repeat it in a higher strain and dance to it. Sometimes they alternate; the orchestra first performing, and when it ceases, the women raise their voices and make a music more agreeable, that is, less intolerable than that of the musicians. The dances of the men, which are always separate from those of the women, are conducted very nearly in the same way, except that the men jump up and down instead of shuffling; and in the war dances the recitations are all of a military cast. The harmony of the entertainment had nearly been disturbed by one of the musicians, who thinking he had not received a due share of the tobacco we had distributed during the evening, put himself into a passion, broke one of the drums, threw two of them into the fire, and left the band. They were taken out of the fire: a buffaloe robe held in one hand and beaten with the other, by several of the company, supplied the place of the lost drum or tambourin, and no notice was taken of the offensive conduct of the man. We staid till twelve o'clock at night, when we informed the chiefs that they must be fatigued with all these attempts to amuse us, and retired accompanied by four chiefs, two of whom spent the night with us on board.

While on shore we saw twenty-five squaws, and about the same number of children, who had been taken prisoners two weeks ago, in a battle with their countrymen the Mahas. In this engagement the Sioux destroyed forty lodges, killed seventy-five men, of which we saw many of the scalps, and took these prisoners; their appearance is wretched and dejected; the women too seem low in stature, coarse and ugly; though their present condition may diminish their beauty. We gave them a variety of small articles, such as awls and needles, and interceded for them with the chiefs, to whom we recommended to follow the advice of their great father, to restore the prisoners and live in peace with the Mahas, which they promised to do.

The tribe which we this day saw, are a part of the great Sioux nation, and are known by the name of the Teton Okandandas: they are about two hundred men in number, and their chief residence is on both sides of the Missouri, between the Chayenne and Teton rivers. In their persons they are rather ugly and ill made, their legs and arms being too small, their cheekbones high, and their eyes projecting. The females, with the same character of form, are more handsome; and both sexes appear cheerful and sprightly; but in our intercourse with them we discovered that they were cunning and vicious.

The men shave the hair off their heads, except a small tuft on the top, which they suffer to grow and wear in plaits over the shoulders; to this they seem much attached, as the loss of it is the usual sacrifice at the death of near relations. In full dress, the men of consideration wear a hawk's feather, or calumet feather worked with porcupine quills, and fastened to the top of the head, from which it falls back. The face and body are generally painted with a mixture of grease and coal. Over the shoulders is a loose robe or mantle of buffaloe skin dressed white, adorned with porcupine quills loosely fixed so as to make a gingling noise when in motion, and painted with various uncouth figures unintelligible to us, but to them emblematic of military exploits, or any other incident; the hair of the robe is worn next the skin in fair weather, but when it rains the hair is put outside, and the robe is either thrown over the arm, or wrapped round the body, all of which it may cover. Under this in the winter season they wear a kind of shirt resembling ours, and made either of skin or cloth, and covering the arms and body. Round the middle is fixed a girdle of cloth or procured dressed elk-skin, about an inch in width and closely tied to the body, to this is attached a piece of cloth or blanket or skin about a foot wide, which passes between the legs and is tucked under the girdle both before and behind; from the hip to the ankle he is covered by leggings of dressed antelope skins, with seams at the sides two inches in width, and ornamented by little tufts of hair the produce of the scalps they have made in war, which are scattered down the leg. The winter moccasins are of dressed buffaloe-skin, the hair being worn inwards, and soled with thick elk-skin parchment: those for summer are of deer or elk-skin, dressed without the hair, and with soles of elk-skin. On great occasions, or wherever they are in full dress, the young men drag after them the entire skin of a polecat fixed to the heel of the moccasin. Another skin of the same animal is either tucked into the girdle or carried in the hand, and serves as a pouch for their tobacco, or what the French traders call the *bois roule*: this is the inner bark of a species of red willow, which being dried in the sun or over the fire, is rubbed between the hands and broken into small pieces, and is used alone or mixed with tobacco. The pipe is generally of red earth, the stem made of ash, about three or four feet long, and highly decorated with feathers, hair and porcupine quills.

The hair of the women is suffered to grow long, and is parted from the forehead across the head, at the back of which it is either collected into a kind of bag, or hangs down over the shoulders. Their moccasins are like those of the men, as are also the leggings, which do not however reach beyond the knee, where it is met by a long loose shift of skin which reaches nearly to the ankles: this is fastened over the shoulders by a string and has no sleeves, but a few pieces of the skin hang a short distance down the arm. Sometimes a girdle fastens this skin round the waist, and over all is thrown a robe like that worn by the men. They seem fond of dress. Their lodges are very neatly constructed, in the same form as those of the Yanktons; they consist of about one hundred cabins, made of white buffaloe

hide dressed, with a larger one in the centre for holding councils and dances. They are built round with poles about fifteen or twenty feet high, covered with white skins; these lodges may be taken to pieces, packed up, and carried with the nation wherever they go, by dogs which bear great burdens. The women are chiefly employed in dressing buffaloe skins: they seem perfectly well disposed, but are addicted to stealing any thing which they can take without being observed. This nation, although it makes so many ravages among its neighbours, is badly supplied with guns. The water which they carry with them is contained chiefly in the paunches of deer and other animals, and they make use of wooden bowls. Some had their heads shaved, which we found was a species of mourning for relations. Another usage, on these occasions, is to run arrows through the flesh both above and below the elbow.

While on shore to-day we witnessed a quarrel between two squaws, which appeared to be growing every moment more boisterous, when a man came forward, at whose approach every one seemed terrified and ran. He took the squaws, and without any ceremony whipped them severely; on inquiring into the nature of such summary justice, we learnt that this man was an officer well known to this and many other tribes. His duty is to keep the peace, and the whole interior police of the village is confided to two or three of these officers, who are named by the chief and remain in power some days, at least till the chief appoints a successor; they seem to be a sort of constable or sentinel, since they are always on the watch to keep tranquillity during the day, and guarding the camp in the night. The short duration of their office is compensated by its authority: his power is supreme, and in the suppression of any riot or disturbance no resistance to him is suffered: his person is sacred, and if in the execution of his duty he strikes even a chief of the second class, he cannot be punished for this salutary insolence. In general they accompany the person of the chief, and when ordered to any duty, however dangerous, it is a point of honour rather to die than to refuse obedience. Thus, when they attempted to stop us yesterday, the chief ordered one of these men to take possession of the boat: he immediately put his arms round the mast, and, as we understood, no force except the command of the chief would have induced him to release his hold. Like the other men their bodies are blackened, but their distinguishing mark is a collection of two or three raven skins fixed to the girdle behind the back in such a way, that the tails stick out horizontally from the body. On his head too is a raven skin split into two parts, and tied so as to let the beak project from the forehead.

Thursday September 27. We rose early, and the two chiefs took off, as a matter of course and according to their custom, the blanket on which they had slept. To this we added a peck of corn as a present to each. Captain Lewis and the chiefs went on shore to see a part of the nation that was expected, but did not come. He returned at two o'clock, with four of the chiefs and a warrior of distinction, called Wadrappa, (or on his guard); they examined the boat and admired whatever was strange, during half an hour, when they left it with great reluctance. Captain Clarke accompanied them to the lodge of the grand chief, who invited them to a dance, where, being joined by captain Lewis, they remained till a late hour. The dance was very similar to that of yesterday. About twelve we left them, taking the second chief and one principal warrior on board: as we came near the boat the man who steered the periogue, by mistake, brought her broadside against the boat's cable, and broke it. We called up all hands to their oars; but our noise alarmed the two Indians: they called out to their companions, and immediately the whole camp crowded to the shore; but after half an hour they returned, leaving about sixty men near us. The alarm given by the chiefs was said to be that the Mahas had attacked us, and that they were desirous of assisting us to repel it; but we suspected that they were afraid we meant to set sail, and intended to prevent us from doing so; for in the night the Maha prisoners had told one of our men, who understood the language, that we were to be stopped. We therefore, without giving any indication of our suspicion, prepared every thing for an attack, as the loss of our anchor obliged to come to near a falling bank, very unfavourable for defence. We were not mistaken in these opinions; for when in the morning,

Friday, September 28, after dragging unsuccessfully for the anchor, we wished to set sail, it was with great difficulty that we could make the chiefs leave the boat. At length we got rid of all except

the great chief; when just as we were setting out, several of the chief's soldiers sat on the rope which held the boat to the shore. Irritated at this we got every thing ready to fire on them if they persisted, but the great chief said that these were his soldiers and only wanted some tobacco. We had already refused a flag and some tobacco to the second chief, who had demanded it with great importunity; but willing to leave them without going to extremities, we threw him a carrot of tobacco, saying to him, "You have told us that you were a great man, and have influence; now show your influence, by taking the rope from those men, and we will then go without any further trouble." This appeal to his pride had the desired effect; he went out of the boat, gave the soldiers the tobacco, and pulling the rope out of their hands delivered it on board, and we then set sail under a breeze from the S.E. After sailing about two miles we observed the third chief beckoning to us: we took him on board, and he informed us that the rope had been held by the order of the second chief, who was a double-faced man. A little farther on we were joined by the son of the chief, who came on board to see his father. On his return we sent a speech to the nation, explaining what we had done, and advising them to peace; but if they persisted in their attempts to stop us, we were willing and able to defend ourselves. After making six miles, during which we passed a willow island on the south and one sandbar, we encamped on another in the middle of the river. The country on the south-side was a low prairie, that on the north highland.

September 29. We set out early, but were again impeded by sandbars, which made the river shallow; the weather was however fair; the land on the north side low and covered with timber contrasted with the bluffs to the south. At nine o'clock we saw the second chief and two women and three men on shore, who wished us to take two women offered by the second chief to make friends, which was refused; he then requested us to take them to the other band of their nation, who were on the river not far from us: this we declined; but in spite of our wishes they followed us along shore. The chief asked us to give them some tobacco; this we did, and gave more as a present for that part of the nation which we did not see. At seven and a half miles we came to a small creek on the southern side, where we saw great numbers of elk, and which we called Notimber creek from its bare appearance. Above the mouth of this stream, a Ricara band of Pawnees had a village five years ago: but there are no remains of it except the mound which encircled the town. Here the second chief went on shore. We then proceeded, and at the distance of eleven miles encamped on the lower part of a willow island, in the middle of the river, being obliged to substitute large stones in the place of the anchor which we lost.

September 30. The wind was this morning very high from the southeast, so that we were obliged to proceed under a double-reefed mainsail, through the rain. The country presented a large low prairie covered with timber on the north side; on the south, we first had high barren hills, but after some miles it became of the same character as that on the opposite side. We had not gone far when an Indian ran after us, and begged to be carried on board as far as the Ricaras, which we refused: soon after, we discovered on the hills at a distance, a great number of Indians, who came towards the river and encamped ahead of us. We stopped at a sandbar, at about eleven miles, and after breakfasting proceeded on a short distance to their camp, which consisted of about four hundred souls. We anchored one hundred yards from the shore, and discovering that they were Tetons belonging to the band which we had just left: we told them that we took them by the hand, and would make each chief a present of tobacco; that we had been badly treated by some of their band, and that having waited for them two days below, we could not stop here, but referred them to Mr. Durion for our talk and an explanation of our views: they then apologized for what had past, assured us that they were friendly, and very desirous that we should land and eat with them: this we refused, but sent the periogue on shore with the tobacco, which was delivered to one of the soldiers of the chief, whom we had on board. Several of them now ran along the shore after us, but the chief threw them a twist of tobacco, and told them to go back and open their ears to our counsels; on which they immediately returned to their lodges. We then proceeded past a continuation of the low prairie on the north, where

we had large quantities of grapes, and on the south saw a small creek and an island. Six miles above this, two Indians came to the bank, looked at us about half an hour, and then went without speaking over the hills to the southwest. After some time, the wind rose still higher, and the boat struck a log, turned, and was very near taking in water. The chief became so much terrified at the danger, that he hid himself in the boat, and as soon as we landed got his gun and told us that he wanted to return, that we would now see no more Tetons, and that we might proceed unmolested: we repeated the advice we had already given, presented him with a blanket, a knife, some tobacco, and after smoking with him he set out. We then continued to a sandbar on the north side, where we encamped, having come twenty and a half miles. In the course of the day we saw a number of sandbars which impede the navigation. The only animal which we observed was the white gull, then in great abundance.

October 1st, 1804. The weather was very cold and the wind high from the southeast during the night, and continued so this morning. At three miles distance, we had passed a large island in the middle of the river, opposite to the lower end of which the Ricaras once had a village on the south side of the river: there are, however, no remnants of it now, except a circular wall three or four feet in height, which encompassed the town. Two miles beyond this island is a river coming in from the southwest, about four hundred yards wide; the current gentle, and discharging not much water, and very little sand: it takes its rise in the second range of the Cote Noire or Black mountains, and its general course is nearly east; this river has been occasionally called Dog river, under a mistaken opinion that its French name was Chien, but its true appellation is Chayenne, and it derives this title from the Chayenne Indians: their history is the short and melancholy relation of the calamities of almost all the Indians. They were a numerous people and lived on the Chayenne, a branch of the Red river of Lake Winnipeg. The invasion of the Sioux drove them westward; in their progress they halted on the southern side of the Missouri below the Warreconne, where their ancient fortifications still exist; but the same impulse again drove them to the heads of the Chayenne, where they now rove, and occasionally visit the Ricaras. They are now reduced, but still number three hundred men.

Although the river did not seem to throw out much sand, yet near and above its mouth we find a great many sandbars difficult to pass. On both sides of the Missouri, near the Chayenne, are rich thinly timbered lowlands, behind which are bare hills. As we proceeded, we found that the sandbars made the river so shallow, and the wind was so high, that we could scarcely find the channel, and at one place were forced to drag the boat over a sandbar, the Missouri being very wide and falling a little. At seven and a half miles we came to at a point, and remained three hours, during which time the wind abated: we then passed within four miles two creeks on the south, one of which we called Centinel creek, and the other Lookout creek. This part of the river has but little timber; the hills are not so high as we have hitherto seen, and the number of sandbars extends the river to more than a mile in breadth. We continued about four and a half miles further, to a sandbar in the middle of the river, where we spent the night, our progress being sixteen miles. On the opposite shore, we saw a house among the willows and a boy to whom we called, and brought him on board. He proved to be a young Frenchman in the employ of a Mr. Valle a trader, who is now here pursuing his commerce with the Sioux.

Tuesday, October 2. There had been a violent wind from S.E. during the night, which having moderated we set sail with Mr. Valle, who visited us this morning and accompanied us for two miles. He is one of three French traders who have halted here, expecting the Sioux who are coming down from the Ricaras, where they now are, for the purposes of traffic. Mr. Valle tells us that he passed the last winter three hundred leagues up the Chayenne under the Black mountains. That river he represents as very rapid, liable to sudden swells, the bed and shores formed of course gravel, and difficult of ascent even for canoes. One hundred leagues from its mouth it divides into two branches, one coming from the south, the other at forty leagues from the junction enters the Black mountains. The land which it waters from the Missouri to the Black mountains, resembles the country on the Missouri, except that the former has even less timber, and of that the greater proportion is cedar.

The Chayennes reside chiefly on the heads of the river, and steal horses from the Spanish settlement, a plundering excursion which they perform in a month's time. The Black mountains he observes are very high, covered with great quantities of pine, and in some parts the snow remains during the summer. There are also great quantities of goats, white bear, prairie cocks, and a species of animal which from his description must resemble a small elk, with large circular horns.

At two and a half miles we had passed a willow island on the south, on the north side of the river were dark bluffs, and on the south low rich prairies. We took a meridian altitude on our arrival at the upper end of the isthmus of the bend, which we called the Lookout bend, and found the latitude to be $44^{\circ} 19' 36''$. This bend is nearly twenty miles round, and not more than two miles across.

In the afternoon we heard a shot fired, and not long after observed some Indians on a hill: one of them came to the shore and wished us to land, as there were twenty lodges of Yanktons or Boisbrule there; we declined doing so, telling him that we had already seen his chiefs, and that they might learn from Mr. Durion the nature of the talk we had delivered to them. At nine miles we came to the lower point of a long island on the north, the banks of the south side of the river being high, those of the north forming a low rich prairie. We coasted along this island, which we called Caution island, and after passing a small creek on the south encamped on a sandbar in the middle of the river, having made twelve miles. The wind changed to the northwest, and became very high and cold. The current of the river is less rapid, and the water though of the same colour contains less sediment than below the Chayenne, but its width continues the same. We were not able to hunt to-day; for as there are so many Indians in the neighbourhood, we were in constant expectation of being attacked, and were therefore forced to keep the party together and be on our guard.

Wednesday, October 3. The wind continued so high from the northwest, that we could not set out till after seven: we then proceeded till twelve o'clock, and landed on a bar towards the south, where we examined the periogues, and the forecastle of the boat, and found that the mice had cut several bags of corn, and spoiled some of our clothes: about one o'clock an Indian came running to the shore with a turkey on his back: several others soon joined him, but we had no intercourse with them. We then went on for three miles, but the ascent soon became so obstructed by sandbars and shoal water, that after attempting in vain several channels, we determined to rest for the night under some high bluffs on the south, and send out to examine the best channel. We had made eight miles along high bluffs on each side. The birds we saw were the white gulls and the brant which were flying to the southward in large flocks.

Thursday, 4th. On examination we found that there was no outlet practicable for us in this channel, and that we must retread our steps. We therefore returned three miles, and attempted another channel in which we were more fortunate. The Indians were in small numbers on the shore, and seemed willing had they been more numerous to molest us. They called to desire that we would land, and one of them gave three yells and fired a ball ahead of the boat: we however took no notice of it, but landed on the south to breakfast. One of these Indians swam across and begged for some powder, we gave him a piece of tobacco only. At eight and a half miles we had passed an island in the middle of the river, which we called Goodhope island. At one and a half mile we reached a creek on the south side about twelve yards wide, to which we gave the name of Teal creek. A little above this is an island on the north side of the current, about one and a half mile in length and three quarters of a mile in breadth. In the centre of this island is an old village of the Ricaras, called Lahooat; it was surrounded by a circular wall, containing seventeen lodges. The Ricaras are known to have lived therein 1797, and the village seems to have been deserted about five years since; it does not contain much timber. We encamped on a sandbar making out from the upper end of this island; our journey to-day being twelve miles.

Friday, October 5. The weather was very cold: yesterday evening and this morning there was a white frost. We sailed along the highlands on the north side, passing a small creek on the south, between three and four miles. At seven o'clock we heard some yells and saw three Indians of the

Teton band, who asked us to come on shore and begged for some tobacco, to all which we gave the same answer as hitherto. At eight miles we reached a small creek on the north. At fourteen we passed an island on the south, covered with wild rye, and at the head a large creek comes in from the south, which we named Whitebrant creek, from seeing several white brants among flocks of dark-coloured ones. At the distance of twenty miles we came to on a sandbar towards the north side of the river, with a willow island opposite; the hills or bluffs come to the banks of the river on both sides, but are not so high as they are below: the river itself however continues of the same width, and the sandbars are quite as numerous. The soil of the banks is dark coloured, and many of the bluffs have the appearance of being on fire. Our game this day was a deer, a prairie wolf, and some goats out of a flock that was swimming across the river.

Saturday, October 6. The morning was still cold, the wind being from the north. At eight miles we came to a willow island on the north, opposite a point of timber, where there are many large stones near the middle of the river, which seem to have been washed from the hills and high plains on both sides, or driven from a distance down the stream. At twelve miles we halted for dinner at a village which we suppose to have belonged to the Ricaras; it is situated in a low plain on the river, and consists of about eighty lodges, of an octagon form, neatly covered with earth, placed as close to each other as possible, and picketed round. The skin canoes, mats, buckets, and articles of furniture found in the lodges, induce us to suppose that it had been left in the spring. We found three different sorts of squashes growing in the village; we also killed an elk near it, and saw two wolves. On leaving the village the river became shallow, and after searching a long time for the main channel, which was concealed among sandbars, we at last dragged the boat over one of them rather than go back three miles for the deepest channel. At fourteen and a half miles we stopped for the night on a sandbar, opposite a creek on the north, called Otter creek, twenty-two yards in width, and containing more water than is common for creeks of that size. The sides of the river during the day are variegated with high bluffs and low timbered grounds on the banks: the river is very much obstructed by sandbars. We saw geese, swan, brants and ducks of different kinds on the sandbars, and on shore numbers of the prairie hen; the magpie too is very common, but the gulls and plover, which we saw in such numbers below, are now quite rare.

Sunday, October 7. There was frost again last evening, and this morning was cloudy and attended with rain. At two miles we came to the mouth of a river; called by the Ricaras, Sawawkawna, or Pork river; the party who examined it for about three miles up, say that its current is gentle, and that it does not seem to throw out much sand. Its sources are in the first range of the Black mountains, and though it has now only water of twenty yards width, yet when full it occupies ninety. Just below the mouth is another village or wintering camp of the Ricaras, composed of about sixty lodges, built in the same form as those passed yesterday, with willow and straw mats, baskets and buffaloe-skin canoes remaining entire in the camp. We proceeded under a gentle breeze from the southwest: at ten o'clock we saw two Indians on the north side, who told us they were a part of the lodge of Tartongawaka, or Buffaloe Medicine, the Teton chief whom we had seen on the twenty-fifth, that they were on the way to the Ricaras, and begged us for something to eat, which we of course gave them. At seven and a half miles is a willow island on the north, and another on the same side five miles beyond it, in the middle of the river between highlands on both sides. At eighteen and a half miles is an island called Grouse island, on which are the walls of an old village; the island has no timber, but is covered with grass and wild rye, and owes its name to the number of grouse that frequent it. We then went on till our journey for the day was twenty-two miles: the country presented the same appearance as usual. In the low timbered ground near the mouth of the Sawawkawna, we saw the tracks of large white bear, and on Grouse island killed a female blaireau, and a deer of the black-tailed species, the largest we have ever seen.

Monday, October 8. We proceeded early with a cool northwest wind, and at two and a half miles above Grouse island, reached the mouth of a creek on the south, then a small willow island,

which divides the current equally; and at four and a half miles came to a river on the southern side where we halted. This river, which our meridian altitude fixes at $45^{\circ} 39' 5''$ north latitude, is called by the Ricaras Wetawhoo; it rises in the Black mountains, and its bed which flows at the mouth over a low soft slate stone, is one hundred and twenty yards wide, but the water is now confined within twenty yards, and is not very rapid, discharging mud with a small proportion of sand: here as in every bend of the river, we again observe the red berries resembling currants, which we mentioned before. Two miles above the Wetawhoo, and on the same side, is a small river called Maropa by the Indians; it is twenty yards in width, but so dammed up by mud that the stream creeps through a channel of not more than an inch in diameter, and discharges no sand. One mile further we reached an island close to the southern shore, from which it is separated by a deep channel of sixty yards. About half way a number of Ricara Indians came out to see us. We stopped and took a Frenchman on board, who accompanied us past the island to our camp on the north side of the river, which is at the distance of twelve miles from that of yesterday. Captain Lewis then returned with four of the party to see the village; it is situated in the centre of the island, near the southern shore, under the foot of some high, bald, uneven hills, and contains about sixty lodges. The island itself is three miles long, and covered with fields in which the Indians raise corn, beans, and potatoes. Several Frenchmen living among these Indians as interpreters, or traders, came back with captain Lewis, and particularly a Mr. Gravelines, a man who has acquired the language. On setting out we had a low prairie covered with timber on the north, and on the south highlands, but at the mouth of the Wetawhoo the southern country changes, and a low timbered plain extends along the south, while the north has a ridge of barren hills during the rest of the day's course.

Tuesday, 9th. The wind was so cold and high last night and during all the day, that we could not assemble the Indians in council; but some of the party went to the village. We received the visits of the three principal chiefs with many others, to whom we gave some tobacco, and told them that we would speak to them to-morrow. The names of these chiefs were first, Kakawissassa or Lighting Crow; second chief Pocasse or Hay; third chief Piaheto or Eagle's Feather. Notwithstanding the high waves, two or three squaws rowed to us in little canoes made of a single buffaloe skin, stretched over a frame of boughs interwoven like a basket, and with the most perfect composure. The object which appeared to astonish the Indians most, was captain Clark's servant York, a remarkable stout strong negro. They had never seen a being of that colour, and therefore flocked round him to examine the extraordinary monster. By way of amusement he told them that he had once been a wild animal, and caught and tamed by his master, and to convince them, showed them feats of strength which added to his looks made him more terrible than we wished him to be. Opposite our camp is a small creek on the south, which we distinguished by the name of the chief Kakawissassa.

Wednesday, 10th. The weather was this day fine, and as we were desirous of assembling the whole nation at once, we despatched Mr. Gravelines, who with Mr. Tabeau another French trader had breakfasted with us, to invite the chiefs of the two upper villages to a conference. They all assembled at one o'clock, and after the usual ceremonies we addressed them in the same way in which we had already spoken to the Ottoes and Sioux: we then made or acknowledged three chiefs, one for each of the three villages; giving to each a flag, a medal, a red coat, a cocked hat and feather, also some goods, paint and tobacco, which they divided among themselves: after this the airgun was exhibited, very much to their astonishment, nor were they less surprised at the colour and manner of York. On our side we were equally gratified at discovering that these Ricaras made use of no spirituous liquors of any kind, the example of the traders who bring it to them so far from tempting having in fact disgusted them. Supposing that it was as agreeable to them as to the other Indians, we had at first offered them whiskey; but they refused it with this sensible remark, that they were surprised that their father should present to them a liquor which would make them fools. On another occasion they observed to Mr. Tabeau, that no man could be their friend who tried to lead them into such follies. The council being over they retired to consult on their answer, and the next morning,

Thursday, 11th, at eleven o'clock we again met in council at our camp. The grand chief made a short speech of thanks for the advice we had given, and promised to follow it; adding that the door was now open and no one dare shut it, and that we might depart whenever we pleased, alluding to the treatment we had received from the Sioux: they also brought us some corn, beans, and dried squashes, and in return we gave them a steel mill with which they were much pleased. At one o'clock we left our camp with the grand chief and his nephew on board, and at about two miles anchored below a creek on the south, separating the second and third village of the Ricaras, which are about half a mile distant from each other. We visited both the villages, and sat conversing with the chiefs for some time, during which they presented us with a bread made of corn and beans, also corn and beans boiled, and a large rich bean which they take from the mice of the prairie, who discover and collect it. These two villages are placed near each other in a high smooth prairie; a fine situation, except that having no wood the inhabitants are obliged to go for it across the river to a timbered lowland opposite to them. We told them that we would speak to them in the morning at their villages separately.

Thursday, 12th. Accordingly after breakfast we went on shore to the house of the chief of the second village named Lassel, where we found his chiefs and warriors. They made us a present of about seven bushels of corn, a pair of leggings, a twist of their tobacco, and the seeds of two different species of tobacco. The chief then delivered a speech expressive of his gratitude for the presents and the good counsels which we had given him; his intention of visiting his great father but for fear of the Sioux; and requested us to take one of the Ricara chiefs up to the Mandans and negotiate a peace between the two nations. To this we replied in a suitable way, and then repaired to the third village. Here we were addressed by the chief in nearly the same terms as before, and entertained with a present of ten bushels of corn, some beans, dried pumpkins, and squashes. After we had answered and explained the magnitude and power of the United States, the three chiefs came with us to the boat. We gave them some sugar, a little salt, and a sunglass. Two of them then left us, and the chief of the third, by name Ahketahnasha or Chief of the Town, accompanied us to the Mandans. At two o'clock we left the Indians, who crowded to the shore to take leave of us, and after making seven and a half miles landed on the north side, and had a clear, cool, pleasant evening.

The three villages which we have just left, are the residence of a nation called the Ricaras. They were originally colonies of Pawnees, who established themselves on the Missouri, below the Chayenne, where the traders still remember that twenty years ago they occupied a number of villages. From that situation a part of the Ricaras emigrated to the neighbourhood of the Mandans, with whom they were then in alliance. The rest of the nation continued near the Chayenne till the year 1797, in the course of which, distressed by their wars with the Sioux, they joined their countrymen near the Mandans. Soon after a new war arose between the Ricaras and the Mandans, in consequence of which the former came down the river to their present position. In this migration those who had first gone to the Mandans kept together, and now live in the two lower villages, which may thence be considered as the Ricaras proper. The third village was composed of such remnants of the villages as had survived the wars, and as these were nine in number a difference of pronunciation and some difference of language may be observed between them and the Ricaras proper, who do not understand all the words of these wanderers. The villages are within the distance of four miles of each other, the two lower ones consisting of between one hundred and fifty and two hundred men each, the third of three hundred. The Ricaras are tall and well proportioned, the women handsome and lively, and as among other savages to them falls all the drudgery of the field and the labours of procuring subsistence, except that of hunting: both sexes are poor, but kind and generous, and although they receive with thankfulness what is given to them, do not beg as the Sioux did, though this praise should be qualified by mentioning that an axe was stolen last night from our cooks. The dress of the men is a simple pair of moccasins, leggings, and a cloth round the middle, over which a buffaloe robe is occasionally thrown, with their hair, arms and ears decorated with different ornaments. The women wear moccasins, leggings, a long shirt made of goats' skins, generally white and fringed, which is

tied round the waist; to those they add, like the men, a buffaloe robe without the hair, in summer. These women are handsomer than the Sioux; both of them are however, disposed to be amorous, and our men found no difficulty in procuring companions for the night by means of the interpreters. These interviews were chiefly clandestine, and were of course to be kept a secret from the husband or relations. The point of honour indeed, is completely reversed among the Ricaras; that the wife or the sister should submit to a stranger's embraces without the consent of her husband or brother, is a cause of great disgrace and offence, especially as for many purposes of civility or gratitude the husband and brother will themselves present to a stranger these females, and be gratified by attentions to them. The Sioux had offered us squaws, but while we remained there having declined, they followed us with offers of females for two days. The Ricaras had been equally accommodating; we had equally withstood their temptation; but such was their desire to oblige that two very handsome young squaws were sent on board this evening, and persecuted us with civilities. The black man York participated largely in these favours; for instead of inspiring any prejudice, his colour seemed to procure him additional advantages from the Indians, who desired to preserve among them some memorial of this wonderful stranger. Among other instances of attention, a Ricara invited him into his house and presenting his wife to him, retired to the outside of the door: while there one of York's comrades who was looking for him came to the door, but the gallant husband would permit no interruption before a reasonable time had elapsed.

The Ricara lodges are in a circular or octagonal form, and generally about thirty or forty feet in diameter: they are made by placing forked posts about six feet high round the circumference of the circle; these are joined by poles from one fork to another, which are supported also by other forked poles slanting from the ground: in the centre of the lodge are placed four higher forks, about fifteen feet in length, connected together by beams; from these to the lower poles the rafters of the roof are extended so as to leave a vacancy in the middle for the smoke: the frame of the building is then covered with willow branches, with which is interwoven grass, and over this mud or clay: the aperture for the door is about four feet wide, and before it is a sort of entry about ten feet from the lodge. They are very warm and compact.

They cultivate maize or Indian corn, beans, pumpkins, watermelons, squashes, and a species of tobacco peculiar to themselves.

Their commerce is chiefly with the traders who supply them with goods in return for peltries, which they procure not only by their own hunting, but in exchange for corn from their less civilized neighbours. The object chiefly in demand seemed to be red paint, but they would give any thing they had to spare for the most trifling article. One of the men to-day gave an Indian a hook made out of a pin, and he gave him in return a pair of moccasins.

They express a disposition to keep at peace with all nations, but they are well armed with fusils, and being much under the influence of the Sioux, who exchanged the goods which they get from the British for Ricara corn, their minds are sometimes poisoned and they cannot be always depended on. At the present moment they are at war with the Mandans. We are informed by Mr. Gravelines, who had passed through that country, that the Yankton or Jacques river rises about forty miles to the east or northeast of this place, the Chayenne branch of the Red river about twenty miles further, passing the Sioux, and the St. Peter's about eighty.

Saturday, 13th. In the morning our visitors left us, except the brother of the chief who accompanies us and one of the squaws. We passed at an early hour a camp of Sioux on the north bank, who merely looked at us without saying a word, and from the character of the tribe we did not solicit a conversation. At ten and a half miles we reached the mouth of a creek on the north, which takes its rise from some ponds a short distance to the northeast: to this stream we gave the name of Stoneidol creek, for after passing a willow and sand island just above its mouth, we discovered that a few miles back from the Missouri there are two stones resembling human figures, and a third like a dog; all which are objects of great veneration among the Ricaras. Their history would adorn the

metamorphoses of Ovid. A young man was deeply enamoured with a girl whose parents refused their consent to the marriage. The youth went out into the fields to mourn his misfortunes; a sympathy of feeling led the lady to the same spot, and the faithful dog would not cease to follow his master. After wandering together and having nothing but grapes to subsist on, they were at last converted into stone, which beginning at the feet gradually invaded the nobler parts leaving nothing unchanged but a bunch of grapes which the female holds in her hands to this day. Whenever the Ricaras pass these sacred stones, they stop to make some offering of dress to propitiate these deities. Such is the account given by the Ricara chief which we had no mode of examining, except that we found one part of the story very agreeably confirmed; for on the river near where the event is said to have occurred, we found a greater abundance of fine grapes than we had yet seen. Above this is a small creek four and a half miles from Stoneidol creek, which is fifteen yards wide, comes in from the south, and received from us the name of Pocasse or Hay creek, in honour of the chief of the second village. Above the Ricara island, the Missouri becomes narrow and deeper, the sandbars being generally confined to the points; the current too is much more gentle; the timber on the lowlands is also in much greater quantities, though the high grounds are still naked. We proceeded on under a fine breeze from the southeast, and after making eighteen miles encamped on the north near a timbered low plain, after which we had some rain and the evening was cold. The hunters killed one deer only.

Sunday, 14th. We set out in the rain which continued during the day. At five miles we came to a creek on the south, about fifteen yards wide, and named by us Piaheto or Eagle's Feather, in honour of the third chief of the Ricaras. After dinner we stopped on a sandbar, and executed the sentence of a court martial which inflicted corporal punishment on one of the soldiers. This operation affected the Indian chief very sensibly, for he cried aloud during the punishment: we explained the offence and the reasons of it. He acknowledged that examples were necessary, and that he himself had given them by punishing with death; but his nation never whipped even children from their birth. After this we continued with the wind from the northeast, and at the distance of twelve miles, encamped in a cove of the southern bank. Immediately opposite our camp on the north side are the ruins of an ancient fortification, the greater part of which is washed into the river: nor could we distinguish more than that the walls were eight or ten feet high. The evening is wet and disagreeable, and the river which is somewhat wider than yesterday, continues to have an unusual quantity of timber. The country was level on both sides in the morning, but afterwards we passed some black bluffs on the south.

Monday, 15th. We stopped at three miles on the north a little above a camp of Ricaras who are hunting, where we were visited by about thirty Indians. They came over in their skin canoes, bringing us meat, for which we returned them beads and fishhooks. About a mile higher we found another encampment of Ricaras on the south, consisting of eight lodges: here we again ate and exchanged a few presents. As we went we discerned numbers of other Indians on both sides of the river; and at about nine miles we came to a creek on the south, where we saw many high hills resembling a house with a slanting roof; and a little below the creek an old village of the Sharha or Chayenne Indians. The morning had been cloudy, but the evening became pleasant, the wind from the northeast, and at sunset we halted, after coming ten miles over several sandbars and points, above a camp of ten Ricara lodges on the north side. We visited their camp, and smoked and eat with several of them; they all appeared kind and pleased with our attentions, and the fair sex received our men with more than hospitality. York was here again an object of astonishment; the children would follow him constantly, and if he chanced to turn towards them, run with great terror. The country of to-day is generally low and covered with timber on both sides, though in the morning we passed some barren hills on the south.

Tuesday, 16th. At this camp the squaw who accompanied the chief left us; two others were very anxious to go on with us. Just above our camp we passed a circular work or fort where the Sharha or Chayennes formerly lived: and a short distance beyond, a creek which we called Chayenne creek. At two miles is a willow island with a large sandbar on both sides above it, and a creek, both on the south, which we called Sohaweh, the Ricara name for girl; and two miles above a second creek, to

which we gave the name of Chapawt, which means woman in the same language. Three miles further is an island situated in a bend to the north, about a mile and a half long, and covered with cottonwood. At the lower end of this island comes in a small creek from the north, called Keetooshahawna or Place of Beaver. At the upper extremity of the island a river empties itself from the north: it is called Warreconne, or Elk Shed their Horns, and is about thirty-five yards wide: the island itself is named Carp island by Evans, a former traveller. As we proceeded there were great numbers of goats on the banks of the river, and we soon after saw large flocks of them in the water: they had been gradually driven into the river by the Indians who now lined the shore so as to prevent their escape, and were firing on them, while sometimes boys went into the river and killed them with sticks: they seemed to be very successful, for we counted fifty-eight which they had killed. We ourselves killed some, and then passing the lodges to which these Indians belonged, encamped at the distance of half a mile on the south, having made fourteen and a half miles. We were soon visited by numbers of these Ricaras, who crossed the river hallooing and singing: two of them then returned for some goats' flesh and buffaloe meat dried and fresh, with which they made a feast that lasted till late at night, and caused much music and merriment.

Wednesday 17th. The weather was pleasant: we passed a low ground covered with small timber on the south, and barren hills on the north which come close to the river; the wind from the northwest then become so strong that we could not move after ten o'clock, until late in the afternoon, when we were forced to use the towline, and we therefore made only six miles. We all went out hunting and examining the country. The goats, of which we see large flocks coming to the north bank of the river, spend the summer, says Mr. Gravelines, in the plains east of the Missouri, and at the present season are returning to the Black mountains, where they subsist on leaves and shrubbery during the winter, and resume their migrations in the spring. We also saw buffaloe, elk, and deer, and a number of snakes; a beaver house too was seen, and we caught a whippoorwill of a small and uncommon kind: the leaves are fast falling; the river wider than usual and full of sandbars: and on the sides of the hills are large stones, and some rock of a brownish colour in the southern bend below us. Our latitude by observation was $46^{\circ} 23' 57''$.

Thursday 18. After three miles we reached the mouth of Le Boulet or Cannonball river: this stream rises in the Black mountains, and falls into the Missouri on the south; its channel is about one hundred and forty yards wide, though the water is now confined within forty, and its name is derived from the numbers of perfectly round large stones on the shore and in the bluffs just above. We here met with two Frenchmen in the employ of Mr. Gravelines, who had been robbed by the Mandans of their traps, furs, and other articles, and were descending the river in a periogue, but they turned back with us in expectation of obtaining redress through our means. At eight miles is a creek on the north, about twenty-eight yards wide, rising in the northeast, and called Chewah or Fish river; one mile above this is another creek on the south: we encamped on a sandbar to the south, at the distance of thirteen miles, all of which we had made with oars and poles. Great numbers of goats are crossing the river and directing their course to the westward; we also saw a herd of buffaloe and of elk; a pelican too was killed, and six fallow deer, having found, as the Ricaras informed us, that there are none of the black-tail species as high up as this place. The country is in general level and fine, with broken short high grounds, low timbered mounds on the river, and a rugged range of hills at a distance.

Friday 19. We set sail with a fine morning, and a southeast wind, and at two and a half miles passed a creek on the north side: at eleven and a half miles we came to a lake or large pond on the same side, in which were some swans. On both banks of the Missouri are low grounds which have much more timber than lower down the river: the hills are at one or two miles distance from the banks, and the streams which rise in them are brackish, and the mineral salts appear on the sides of the hills and edges of the runs. In walking along the shore we counted fifty-two herds of buffaloe, and three of elk, at a single view. Besides these we also observed elk, deer, pelicans, and wolves. After seventeen and a half miles we encamped on the north, opposite to the uppermost of a number of

round hills, forming a cone at the top, one being about ninety, another sixty feet in height, and some of less elevation. Our chief tells us that the calumet bird lives in the holes formed by the filtration of the water from the top of these hills through the sides. Near to one of these moles, on a point of a hill ninety feet above the plain, are the remains of an old village which is high, strong, and has been fortified; this our chief tells us is the remains of one of the Mandan villages, and are the first ruins which we have seen of that nation in ascending the Missouri: opposite to our camp is a deep bend to the south, at the extremity of which is a pond.

Saturday 30. We proceeded early with a southeast wind, which continued high all day, and came to a creek on the north at two miles distance, twenty yards wide. At eight miles we reached the lower point of an island in the middle of the river, though there is no current on the south. This island is covered with willows and extends about two miles, there being a small creek coming in from the south at its lower extremity. After making twelve miles we encamped on the south, at the upper part of a bluff containing stone-coal of an inferior quality; immediately below this bluff and on the declivity of a hill, are the remains of a village covering six or eight acres, formerly occupied by the Mandans, who, says our Ricara chief, once lived in a number of villages on each side of the river, till the Sioux forced them forty miles higher; whence after a few years residence, they moved to their present position. The country through, which we passed has wider bottoms and more timber than those we have been accustomed to see, the hills rising at a distance and by gradual ascents. We have seen great numbers of elk, deer, goats, and buffaloe, and the usual attendants of these last, the wolves, who follow their movements and feed upon those who die by accident, or who are too poor to keep pace with the herd; we also wounded a white bear, and saw some fresh tracks of those animals which are twice as large as the track of a man.

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