

Sources to Notes

FOREWORD

xiii "is needless to say," Hind 1971, Vol.1:357.

CHAPTER 1: THE BUFFALO JUMP

1 "vast and worthless area," Daniel Webster cited in Morgan 1959:14.

1 "These great Plains appear," Glover 1962:181.

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9 "the nucleus for," Mandelbaum 1979:77.

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10 "The traveller who shall," James 1905, Vol.3:174.

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10 "In fact, those Indians," Harmon 1911:81.

11 "as we are now in the land," Glover 1962:310.

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12 "even now speak with enthusiasm," Grinnell 1962:230.

Not Just Any Cliff

12 "In some part of its course," James 1905, Vol.2:281–82.

13 "So much do these people," Coues 1897, Vol.2:725.

For what makes some sites best suited for a buffalo kill, see Frison 1970 (The Glenrock Buffalo Jump), 1970 (The Kobold Site), 1973, 1987, 1991, 2004.

The Site

14 "Twice I have seen buffalo," Weasel Tail as told to Ewers 1968:166.

For popular articles describing Head-Smashed-In, see Brink 1986; Darragh 1987; Fagan 1994; Pringle 1988, 1996; Reeves 1983; Reid 2002; Sponholz 1992; Thomas 2000.

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For more on the name Head-Smashed-In, see Dawson 1885.

For more references on communal buffalo hunting, the archaeology of other buffalo jumps and Head-Smashed-In, visit www.aupress.ca

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32 "lumbering awkwardness of his action," Southesk 1969:85.
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32 "When wounded and mad," Audubon 1960, Vol.2:144.

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- 33 On the various Omaha words for bison hunts, see Fletcher and La Flesche 1972:270–71.
For the types and naming of bison and buffalo, see Lott 2002; McHugh 1972; Reynolds, Gates, and Glaholt 2003.

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- For more references on evolution and classification of bison, numbers of bison, varieties of buffalo hunting by Plains Indians, and the role and importance of fat in game animals, visit www.aupress.ca.

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- 56 "We are aware that," James 1905, Vol.2:256.
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- 63 "the buffalo in winter," Spry 1968:266.

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- 69 "I am informed by," Bradbury 1904:186.
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For more references on bison ecology, natural history, biology, calving patterns, female reproduction, fat cycles in pregnancy and lactation, the rut and fat cycles in male bison, bioenergetic

principles in large herbivores, and the bison seasonal round,
visit www.aupress.ca.

CHAPTER 4: THE KILLING FIELD

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96 "From each side," Harmon 1911:286.

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- 97 "was formed in a pretty dell," Hind 1971, Vol.1:357–58.
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In Small Things Forgotten

For the book *In Small Things Forgotten*, see Deetz 1977.

For more references on the nature and operation of drive lanes, the analysis of projectile points from the Plains, and historic and ethnographic accounts of buffalo pounds and jumps, visit www.aupress.ca

CHAPTER 5: ROUNDING UP

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The Spirit Sings

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The Nose of the Buffalo

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Of Illusions, Pickup Trucks, and Curves in the Road

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For more references on buffalo hunt ceremonies, ceremonial use of skills, sacred parts of the carcass, wolves and bison, grizzly bears and bison, use of fire by Aboriginal people, bison aversion to smoke, visit www.aupress.ca.

CHAPTER 6: THE GREAT KILL

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Leap of Faith

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- 153 "A great number were," Spry 1968:197.
- 153 "run round and round," Spry 1968:197.
- 153 "with the sun," Spry 1968:197.
- 153 "I have frequently," Harmon 1911:286.
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- 153 "all busy plying bows," Spry 1968:197.
- 154 "After firing their arrows," Spry 1968:197.

Overkill?

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Drop of Death

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- 163 "narrowly escape," Fidler 1991:74.

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171 "any be displeased," Harmon 1911:287.

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For more on the metabolism study at Elk Island Park, see Christopherson, Hudson, and Richmond 1978.

For more and finer hair on bison than cattle, see Lott 2002:55; Peters and Slen 1964.

For the use of infrared at Elk Island Park, see Lott 2002:55.

Back to the Assembly Line

175 "These animals spoil," Dodge 1959 (*Our Wild Indians*):253.

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For more references on numbers of bison killed in pounds, eyewitness descriptions of pounds, the butchering of sequence of bison, visit www.aupress.ca.

CHAPTER 7: COOKING UP THE SPOILS

179 "The buffalo meat which the hunter," Gregg 1966, Vol.2:26.

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The Processing Site

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 181 "is always water," Spry 1968:187.
 182 "converge from all directions," James 1905, Vol.3:143.
 For the Vore site in Wyoming, see Reher and Frison 1980.

Day Fades to Night

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Dried Goods

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 185 "Meat intended for winter use," Teit 1930:94.
 185 "cut into broad," McDougall 1898:221-22.
 187 "made a fire," McDougall 1898:222.
 187 "The meat, with the exception," James 1905, Vol.1:301.
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Grease is the Word

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High Plains Cooking

- 191 "They make marrow fat," Harmon 1911:282.

Buffalo Chips

- 198 "Since leaving Pembina River," Spry 1968:110.
 198 "so abundant that one meets," Audubon 1960, Vol.2:105.
 198 "is amusing to witness," Gregg 1966, Vol.2:26.
 198 On Harris wondering what friends back home would say if they could see him and Audubon carrying buffalo chips, see Harris 1951:167-68.

- 198 "produces an ardent," Schoolcraft 1851, Vol.4:109.
198 "makes a grand fire," Turnbull 1914:167.
198 "In dry weather it is," Gregg 1966, Vol.2:26.
198 "but when moistened, Gregg 1966, Vol.2:26.
199 "we had to use dried bison dung," McDermott 1940:188.
200 "endeavoured to kindle a fire," Maximilian 1906, Vol.2:196.
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Hot Rocks

- 200 "An old method of preparing," Mandelbaum 1979:59.

Time for a Roast

- 206 "The Indian is a great epicure," Dodge 1959 (*Our Wild Indians*):273.
207 "Spits were put up everywhere," McDermott 1940:194.
210 "Cooked for dinner," James 1905, Vol.1:279–80.
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Where Are the Skulls?

- 211 "Round an isolated tree," Maximilian 1906, Vol.1:318.
214 On Densmore describing how a medicine man from the Teton Sioux painted a buffalo skull and placed it on a bed of prairie sage, see Densmore 1918:444.
214 "It was believed," Densmore 1918:444.
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214 "it was an honour," Bradbury 1904:141.
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214 "The buffalo skulls," Maximilian 1906, Vol.2:333–34.
215 "are obliged to drag," Maximilian 1906, Vol.2:332.
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215 "Our interpreter informed us," James 1905, Vol.2:253.

For how skulls were used in ceremonies, see Bradbury 1904:141; Densmore 1918:444; Farnham 1906, Vol.1:268–69; Grinnell 1923, Vol.1:268; James 1905, Vol.2:253; Lowie 1922 (*Religion of the Crow*):355, 357; Mandelbaum 1979:54; Maximilian 1906, Vol.1:318, 383; Vol.2:333–34, 375.

Packing Up, Among the Bears

- 216 "We had not left the fort," Kane 1996:266.

- 217 "when he saw a bear," Palliser 1969:281.
- 217 "and leaving the carcass," James 1905, Vol.3:50.
- 218 "soldiers saw him," Audubon 1960, Vol.2:66.
- 218 "without doubt, the most daring," James 1905, Vol.3:47.
- 218 "frequently pursues," James 1905, Vol.3:47.
- 218 "nearly dragged one of the hunters," Dempsey 1989:115.
- 219 On Thompson recounting a grizzly bear attack on natives, see Glover 1962:248–49.
- 219 "the death cry," Glover 1962:248.
- 219 "one of his thighs," Glover 1962:248.
- 219 "sprung on the first," Glover 1962:249.
- 219 "They found him devouring," Glover 1962:248.
- 219 "The first poor fellow," Glover 1962:249.
- 219 "one of the most esteemed," Kane 1996:266.
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- 219 On the recovery of a set of grizzly bear foreclaws from an Alberta archaeological site, see Brink 1988.
- 219 "until nothing but," Glover 1962:249.
- 219 "devouring a dead buffalo," Lewis 1966, Vol.2:394.

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For more references on historic and archaeological accounts of bison butchering, foods consumed at the kill, foods preserved by drying and smoking, desire for and use of bone marrow and grease, Aboriginal cooking methods, cooking experiments at Head-Smashed-In, use and abundance of buffalo chips, stone building and roasting, use of brains in tanning and bison skulls rare at other sites, visit www.aupress.ca.

CHAPTER 8: GOING HOME

- 221 On Father Hennepin remarking on the strength of Native women, see Hennepin 1903, Vol.1:147.

For Napi stories in Blackfoot culture, see De Smet 1906:243–44; Ewers 1958; Grinnell 1962; McClintock 1968:337–48.

Buffalo Hides

- 224 "Whilst in the green state," James 1905, Vol.1:312.
224 "They had Shields," Glover 1962:173.
225 "In buffalo robes," Southesk 1969:307.
226 "The hide is extended," James 1905, Vol.1:312.
227 "for the convenience of manipulation," James 1905, Vol.1:312.
227 "They then take it out," Harmon 1911:288.
227 On Culbertson noting that meat and fat scraped from the buffalo hide were cooked, mixed with dried berries, and eaten, see Culbertson 1952:84.
227 "esteemed a most rare dish," Culbertson 1952:84.
227 "The hide of the buffalo-bull," Grinnell 1923, Vol.1:255–56.
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227 On Bradbury's team having to eat their moccasin soles, see Bradbury 1904:232.

Pemmican

- 229 "As the Indians use no salt," Harmon 1911:282.
229 "as they incline to migrate," Gregg 1966, Vol.2:214.
229 "immense herds of bisons," James 1905, Vol.2:239.
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230 "In making this pemmican," Turney-High 1941:38.
230 "when carefully melted," Glover 1962:312.
231 "A much finer grade," Grinnell 1962:207.
231 "a trough made of," Grinnell 1962:206.
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233 "When the bag was full," Grinnell 1962:206.
233 "If kept in a dry place," Harmon 1911:23.
233 "the staple food," Glover 1962:313.
233 On Audubon saying that men on the barges subsist almost entirely on buffalo meat and pemmican, see Audubon 1960, Vol.1:499.
233 On Stefansson's experiments with eating an all meat diet, see Lieb 1926.
234 On Catlin's first kill of the largest bull, see Catlin 1851, Vol.1:27.

Snow Falling on Cottonwoods

- 235 "The beauty of an Indian camp," Fletcher and La Flesche

1972:279.

For more references on methods of tanning and seasonal use of bison hides, pemmican (making, taste, ingredients, longevity), tannic acids as preservatives, visit www.aupress.ca.

CHAPTER 9: THE END OF THE BUFFALO HUNT

237 "It is truly a melancholy," Catlin 1851, Vol.1:256.

237 "The air was foul with," Dodge 1959 (*Our Wild Indians*):295.

238 "saw two bull buffalo," Morgan 1959:159.

238 "on getting on board," Harris 1951:95.

238 On an example of the senseless slaughter of bison, see Harris 1951:30–31.

238 "would jump aside," Harris 1951:30.

238 "He proved to be very poor," Harris 1951:31.

The Skin of the Animal

239 "The danger from Indians," Dodge 1959 (*Our Wild Indians*):293.

240 On Dodge's estimates of bison hides and pounds of meat and bones hauled from the west by train for the years 1872–74, see Dodge 1959 (*The Plains of the Great West*):140.

240 "at least five millions," Dodge 1959 (*Our Wild Indians*):295.

240 "They are usually," James 1905, Vol.1:174.

242 "It is at this time," Morgan 1959:104.

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243 On the effects of disease on Native people of the Plains, see Binnema 2001:119–28; Isenberg 2000:53–62, 113–20.

244 "In winter, there are," McDermott 1940:197.

244 "It is impossible to make," McDermott 1940:197.

244 "man in his savage," Hind 1971, Vol.1:359.

244 "I am almost ashamed," Harris 1951:34.

244 "We now regretted," Harris 1951:149.

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245 "They keep the Hoofs," Hennepin 1903, Vol.1:150.

The Last of the Buffalo Jumps

247 "The *arms* of the wild Indians," Gregg 1966, Vol.2:283.

247 On Pike putting nineteen balls into a bison, see Pike 1966:155.

247 "Big Ribs, a Northern Cheyenne," Grinnell 1923, Vol.1:263–64.

- 248 "White Cloud says," Morgan 1959:99.
- 248 "An arrow kills more efficiently," McDermott 1940:192.
- 248 "If the arrow has not," McDermott 1940:192.
- 248 "the Indian is apt to kill," Gregg 1966, Vol.2:216.
- 249 "They heard the Report," Hennepin 1903, Vol.2:520.
- 249 "Sometimes the young men," Harmon 1911:285.

Rivers of Bones

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- 251 "The land was covered," McDermott 1940:188.
- 251 "Buffalo Bones, & dung laying," Turnbull 1914:167.
- 251 "bones and skulls, scattered," Maximilian 1906, Vol.2:246.
- 252 "constantly finding the skulls," Southesk 1969:58.
- 252 "The plains are all strewn," Southesk 1969:254–55.
- 252 "and before many years," Audubon 1960, Vol.2:131.
- 252 "I fear we shall soon be deprived," Schoolcraft 1851, Vol.5:50.
- 253 "real food," Flannery 1953:58.
- 253 "To those who had been," Flannery 1953:58.
- 253 "There is no earthly consideration," Ross 1972:260–61.
- 253 "The buffalo melted away," Dodge 1959 (*Our Wild Indians*):294.

Final Abandonment of Head-Smashed-In

- 254 On Fidler's early written records of native life in the Canadian west, see Fidler 1991.
- 254 On Fidler's accounts of driving bison to a cliff, see Fidler 1991:36.
- 254 On Lewis and Clark seeing the carcasses from previous jumps, see Lewis 1966, Vol.1:234–35.
- 254 On James describing how jumps worked based on Native informants, see James 1905, Vol.2:281–82.
- 255 "Where we encamped yesterday," Fidler 1991:36.
- 255 "the men brought another," Fidler 1991:36.
- 255 "Horses are sometimes used," Coues 1897, Vol.2:520.
- 255 "After this preparation," Harmon 1911:286.

For an Aboriginal narrative of what must have been one of the last buffalo jumps, somewhere near Head-Smashed-In, see Ewers 1949; 1968:166–67.

For more references on the near extermination of bison, changes in Plains culture due to horses, accounts of the prairies littered with bones, visit www.aupress.ca.

CHAPTER 10: THE PAST BECOMES THE PRESENT

277 On the work done by Joe Crowshoe and Roger McDonnell, see McDonnell 1984.

For articles on the development of Head-Smashed-In Buffalo Jump, see Brink 1992, 1996; Cannon and Cannon 1996; Johns 1988; Johns and Le Blond 1989; Sponholz 1992.

For more on the involvement of the Blackfoot people in the development of the interpretive centre, see Brink 1992; Slater 2006.

For the architecture of the Head-Smashed-In Interpretive Centre, see Johns 1988; Johns and LeBlond 1989.

For more references on archaeological studies of Head-Smashed-In and other buffalo jumps, general Plains archaeology and buffalo hunting, and Plains Indians, visit www.aupress.ca.