TABLE 5.—*Stratigraphic distribution of the fossils*

Names of species	Number of specimens	Big Snowy group — Otter formation: 13358	13374	13375	13376	13377	13378	13379	13390	13400	13401	13426	14227	Heath formation: unspecified	13359	13365	13366	13367	13368	13369	13370	13387	13388	13391	13392	13393	13394	13395	13396	13397	13402	13408	13409	13410	13411	13412	13413	13414	13415	13416	13417	13424	13425	14101	14102	14103	Cameron Creek formation: 13360	13361	13362	13363	13373	13380	13381	13382	13383	13386	13418	13419	13420	13421	14146	14220	14221	14222	14223	14224	14225	14226	unspecified	Alaska Bench limestone: 13364	13371	13372	13384	13389	13398	13399	13403	13404	13405	13406	13407	13422	13423	14100	16185	Devils Pocket formation: 16180	16700	16701	16702	17389	17390	17391	17392	Brazer limestone (Girty, 1927)	Sacajawea formation (Branson, 1936)	Chester series (composite)	Paradise formation (Hernon, 1935)	"Upper Amsden" (Sloss, 1946)	"Lower Amsden" (Sloss, 1946)	Heath shale (Sloss, 1946)	Upper White Pine shale (Ogden, 1951)	Mississippian affinity	Pennsylvanian affinity
Plants:																																																																																																								
Calcareous algae	13								X	X			X																													X							?																															?																						
Calamites sp.	2																							X																																	X																																														
Dadoxylon? sp.	1																													X																																																																								
Foraminifers: [1]																																																																																																						
Ammodiscus sp.														X																																																																																							
Serpulopsids																																																																																							X																
Cornuspirinae																																																																																								X															
Cornuspira sp.																																																																																								X	X														
Calcitornellids																																																																																							X					X												
Textulariidae																																																																																								X	X	X	X	X	X										
Textularia sp.																																																																																							?																
Spiroplectammina sp.																																																																																								X															
Climacammina magna? Roth and Skinner, 1930																																																																																							X															X
sp.																																																																																												X		?										
Endothyra aff. *E. excentralis* Cooper, 1947	20+																																																												X		?		?	?		?																																X	
sp.																																																																																							X		X	X	X		?										
Bradyina sp.																																																																																							X	X	X	X	X	X										
Tetrataxis sp.																																																																																							X		X		X	X										
Ozawainella? sp.																																																																																								X															X
Millerella aff. *M. chesterensis* Cooper, 1947	2													X																																																																																					X	
n. sp.	100+																																																												X					?	?	?																																			
sp.																																																																																								X	X	?												
Pseudostaffella sp.																																																																																							X	X	?		X	X	?										X
Profusulinella sp.																																																																																							X	X	X	X	X												X
Fusulinella or *Profusulinella* sp.																																																																																								X					X										X
Sponges: *Clionolithes* sp.	3+																											X										X																				X																																										
Corals:																																																																																																						
Triplophyllites cf. *T. spinulosus* (Milne-Edwards and Haime, 1851)	10															X																							X	X										X																												X															X					?	
Bradyphyllum clavigerum Easton	13																																																										X																																							X				X
Fasciculiamplexus contortus Easton	9																																																										X																																											
Caninia montanensis Easton	4																																					X				X																																				X																	X	X	?		
Koninckophyllum? sp.	4																																									X																																				X																					
Longiclava tumida Easton	12								X																																																																																			X								X	
Jellyfish: "*Conularia*" n. sp.	1																																																X																																																					
Crinoids:																																																																																																						
Dicromyocrinus granularis Easton	2																																																																																	X											aff.							X
Crinoid ossicles									X																													X									X						X						?			X			X		X					X																																	
Echinoid: *Echinocrinus* sp.	7																																																										X				X					X					X																										X				
Ophiuroid: Vertebral ossicle	1																																																																			X																																				
Brachiopods:																																																																																																						
Lingula cf. *L. carbonaria* Shumard, 1858	13																														X																				X																							X																					X			X
Orbiculoidea wyomingensis Branson and Greger, 1918	1																																																																											X																			X							X	
interlineata Easton	43																X	X																																																																															X		?	
sp. A	1																																										X																																																										
sp. B	1																																										X																																																										
Crania cf. *C. modesta* White and St. John, 1868	10								X															X					X		X									X			X																																																										
Stenoscisma obesa (Clark, 1918)	90																																					X							X																																																				X		aff.	aff.			X		X	
Schuchertella sp.	3															X																						X																																																																
Chonetes pseudoliratus Easton	100+																												X																					?			X				X	X	X		X	X					cf.		X		X	X		X		?						X													X	X			X	
Nix angulata Easton	100+																																					X					X		X																																																	X	X			
Echinoconchus angustus Easton	9																																							X									X																																																					
aff. *E. alternatus* (Norwood and Pratten, 1855)	12																		X																				X		X											X																					X				?														X			X				
Productus fasciculatus McChesney, 1860	33																											X									X		X			X																																																X	?		X	X			
Linoproductus nodusus n. subsp.	53																																			X	?	X				X						X	X	X		X			X					X										X		?			X	?	X	X																		X	X	cf.			
croneisi Branson, 1937	8																		X								X																													X																																							X	X					cf.			
? *duodenarius* Easton	28								X												X															X		X				?														X																X																		X	X			
sp.	32																									X												X			X			X			X																																						X															X	X			
"*Dictyoclostus*" *confluens* Easton	22																																																	X																																																	X	X			
inflatus (McChesney, 1859)	58												cf.											X							X									X					X											X						?														X	X		X	X		X			X												X		X	X			
inflatus obsoletus Easton	244																		X							X					X				X	X		X							X																																																				X			
inflatus spinolinearis Easton	315															X			X	X		X											X		X	X	X	X		X					X							X					X																																									X			
richardsi (Girty, 1927)	9																																					X																																																																	X						cf.			
Antiquatonia pernodosa Easton	14																											X									X											X												X	?																																				X				
n. sp.	7																X	?																																																																																				
Rugoclostus nivalis Easton	8																																																		?								X																																						X				
"*Buxtonia*" *arizonensis* Hernon, 1935	29			cf.																	X	X						X																																					?															?																X			X		X				
sp.	5																X																				X									?																																																									
Marginifera planocosta Easton	113																																		X																								X				X																																			aff.		X				
Leiorhynchus carboniferus (Girty, 1911)	160			X												X	X	X	X									X				X							X		X	X																																																			X		X		X	X	X			
Pugnoides parvulus Girty, 1927	32								X				X																																																																																					X								
quinqueplecis Easton	24																																																										X																		X																							X				X				
Spirifer curvatus Easton	220															X					X					cf.		X							X	X	X		X			cf.								X										X																		X						X																	X	X			
increbescens Hall, 1858	1																																																										X																																						X			X				
shoshonensis Branson and Greger, 1918	13																																																					X																																											X			X	X				
welleri Branson and Greger, 1918	3																																					?																																									?	X																	X							
sp.	2												X		X	X									X						X					X								X						X													X							X		X	X	X	X	X																										
Neospirifer praenuntius Easton	7																															X																																							cf.																																
Brachythyris sp.	1																																																X																																																					
"*Martinia*" sp. A	10																									X						X				?																																																																		
sp. B	1																																X																																																																					
Nucleospira superata Easton	12												aff.																																														X																																							X				
Cleiothyridina hirsuta (Hall, 1858)	72								X																													X								aff.													X																					?														X	X	X				aff.			
aff. *C. sublamellosa* (Hall, 1858)	4															X																														X																																																	X	X					
atrypoides Girty, 1910	8																									X																																																																												
Crurithyris n. sp.	6																											X									X																																																																	?				
Composita laevis Weller, 1914	96								X																	X				X										X																																																															X		X	X		X	X			
cf. *C. lateralis* (Girty, 1910)	6																																					X				X						X																																																				X	X			
ozarkana Mather, 1915	286								X															X						X									X																																																																			cf.					
sulcata Weller, 1914	379																											X										X	X		X									X		X																	cf.																										X		X			X	X			
subquadrata (Hall, 1858)	293																																															cf.									X																								X				X												X			X				
sp.	135														X	X			X			X				X					X		X				X									X		X		X																							X	X	X	X	X																			X		X			
Schizophoria depressa Easton	60						X														X													X								X					X	X	X			X						X		X								X		X		X																				X			cf.	X				
Rhipidomella n. sp.	2																																													X																																																								X			
Punctospirifer transversus (McChesney, 1859)	15															X																							X					X										X					X											X																						X		X	X		X				
Reticulariina spinosa (Norwood and Pratten, 1855)	35																																					X		X		X			X	X				X																							X																				X	X	X		X	X			
Eumetria cf. *E. vera* (Hall, 1858)	8								X																																																																																											X	X					
Girtyella woodworthi Clark, 1917	49																	X			X					X							X				X	X					X		X																																													X						X			
Hamburgia? cf. *H.*? *walteri* (Branson, 1937)	18																																					X																												X																													X							
Cranaena? *circularis* Easton	29				X										X	X						X																X					X		X			X																																																						X			
? n. sp.	24													X																																																																																							?		
Worms:																																																																																																						
Spirorbis aff. *S. moreyi* Branson, 1937	39								X																																																										X																												X							
sp.	12																					X						X			X																																																																							
Cornulites sp.	5																											X																																																																											
Pelecypods:																																																																																																						
Nuculopsis (*Palaeonucula*) *montanensis* Easton	9																							X													X																																																																
Nuculana bianyulata Easton	16																																															X																																																						
rugodorsata Easton	44																							X													X																																																																
sp. A	1																																																																														X																					X			
sp. B	1													X																																																																																							
Myalina (*Myalina*) *parallela* Easton	20										X																X											cf.																																																														?				
(*Orthomyalina*) sp.	1																																																										X																																													
Septimyalina n. sp.	9			?																							X																							X																																																	X							
Aviculopecten? sp.	33																																															X	X					X																																																		
Limipecten otterensis Easton	24			X									X					X												X						X	X					X																																																												
Sulcatopinna ludlovi (Whitfield, 1876)	2																																							X		X																													?														?											X									
Conocardium glabratum Easton	2																																					X																																																																			
latifasciatum Branson, 1942	2																																					X																					X																																								X							
Schizodus sp.	4																																															X	X																																																			X			
Pleurophorus sp.	3			?													?																																																										X																												
Cypricardella sp. A	4																																					X																					X																																												
sp. B	1																																																																														X																				X				
Allorisma inflata Easton	12																																					cf.									X		X																																																						
walkeri Weller, 1897	20																																																X	cf.																																															X			X				
? sp.	3													X																																																																																							
Sphenotus altidorsatus Easton	63																																					cf.										X																																																						
Gastropods:																																																																																																						
Bellerophon sp.	5												X																						X		X											X																											X																							X			
Retispira sp.	2																							X																								X																																																						
Euphemites sacajawensis Branson, 1937	2																							X																																																																								X							
Straparollus (*Euomphalus*) n. sp. A	2														X		X																																																																																						
(*Euomphalus*) n. sp. B	14																																														X			?											X							?																															
sp.																																																																																						X																	
Angyomphalus? *excavatus* Easton	32																																					X									X																																																						
Glabrocingulum? sp.	3															X																					X																																																																		
Pseudozygopleura (*Pseudozygopleura*) aff. *P. scitula* (Meek and Worthen, 1860)	2																																																	X																																																				
Naticopsis cf. *N. remex* White, 1876	6																	X																																X																																																				
Bulimorpha elegans Girty, 1927	4																																					X																																								X																											
Soleniscus sp.	1																																					X																																																																			
Scaphopod: *Plagioglypta subannulata* Easton	10																																																																									X																											
Cephalopods:																																																																																																						
Aphelaeceras? sp.	1																																															X																																																						
Tylonautilus sp.	1												X																																																																																									
Mooreoceras? sp.	1																																					X																																																																			
Cravenoceras sp.	2													X																														X																																																											
hesperium Miller and Furnish, 1940	1																																																																																																						
Girtyoceras aff. *G. meslerianum* (Girty, 1909)	12													X																																																																																									
Trilobites:																																																																																																						
Ameura? sp.	8																																					X				X						X						?																																																X			
Paladin? sp.	3																																																							?			X																																												
Ostracodes: Not studied		X		X	X		X	X	X	X	X		X									X																	X							X				X	X						X													X				X	X		X																					X			
Malacostracan: *Squillites spinosus* Scott, 1938	2													X																																																																																									
Vertebrates:																																																																																																						
Shark teeth	10+																																					X														X																								X																												
Fish spines and scales																X											X		X								X																																			X																											
Conodonts: Not studied														X																								X																																																																			
	4115+																																																																																																						

[1] Provisional identifications of Devils Pocket formation foraminifers were made by Lloyd C. Henbest.

577887 O—62 (In pocket)