Summary of occurrences of fossils in collections studied from the Amsden Formation of Wyoming

[Collection numbers are explained in the section "Register of Fossil Collections"]

Collections: 1 2 3 4 5 6 7 8 13 14 15 17 19 20 21 22 24 25 26a 26b 27 28 29 30 31 32 34 35 36a 36b 36c 36d 36e 37 38 39 40 41 42 43 44 45 46 47 48 50 52 53 54 63 64 65 67 68 69 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 109 110 111 112 113 114 115 116 117 118 119 120 121 122 124 125 126 127 128 129 130 131 132 133 134 136 137 138 139 140 141 142 143 145 146 148 149 150 151 152 153 154 155 156 157 158 159 160 A B C D E F

Taxa	Collections in which marked (× unless shown as ? or cf.)
Foraminifers:	
Apterrinellidae	1, 2, 3, 4, 5, 50, 63, 64, 65, 68, 125, 153, 154, 160
Archaediscus ex gr. *A. chernoussovensis* Mamet	122
krestovnikovi Rauzer-Chernoussova	90, 109, 126
ex gr. *A. krestovnikovi* Rauzer-Chernoussova	4, 5, 63, 65, 74, 75, 79, 90, 92, 109, 122, 126, 145
sp	1, 2, 4, 5, 6, 63, 65, 68, 74, 75, 77, 78, 90, 92, 93, 100, 103, 104, 105, 109, 122, 124, 126, 145, 153
Asteroarchaediscus bachkiricus (Krestovnikov and Teodorovitch)	2, 5, 14, 63, 65, 67, 68, 74, 90, 92, 109, 122, 126
ex gr. *A. bachkiricus* (Krestovnikov and Teodorovitch)	1, 3, 4, 13, 122, 124
sp	1, 2, 3, 4, 5, 6, 13, 14, 45, 63, 64, 65, 67, 71, 74, 75, 77, 78, 79, 90, 92, 93, 100, 103, 104, 105, 109, 122, 124, 125, 126, 145, 153, 160
Biseriella moderata (Reitlinger)	2, 14, 63, 64, 65, 67, 74, 100, 122, 124, 125, 145
parva (Chernysheva)	67, 74, 122, 124, 145
ex gr. *B. parva* (Chernysheva)	45, 63, 68, 100, 122, 145
sp	2, 3, 14, 45, 63, 65, 68, ?93, 122, 124, 125, 132, 145, 154, 160
Bradyina? sp	71
Climacammina sp	63, 68, 71, 90, 92, 105, 160
"*Cornuspira*" sp	2, 5, 78, 90, 122, 160
Cornuspiridae	50, 63, 64, 65, 68, 124, 153, 154, 160
Diplosphaerina sp	2, 5, 63, 67, 90, 92
Earlandia clavatula (Howchin)	74, 90, 92, 109
elegans (Rauzer-Chernoussova)	74, 90, 92, 105, 109
vulgaris (Rauzer-Chernoussova and Reitlinger)	
sp	1, 2, 3, 4, 5, 13, 14, 45, 50, 67, 77, 78, 92, 93, 103, 104, 105, 109, 122, 126, 132, 145, 160
cf. *Endostaffella*? sp	124
Endothyra ex gr. *E. bowmani* Phillips emend. Brady	13, 63, 74, 75, 77, 78, 90, 92, 100, 104, 105, 109, 126
excellens (Zeller)	74, 92, 100, 109, 160
ex gr. *E. similis* Rauzer-Chernoussova and Reitlinger	74, 90, 92, 100, 104, 105, 109
tantala (Zeller)	92, 104, 105
sp	1, 3, 4, 5, 14, 45, 63, 64, 65, 67, 68, 71, 74, 75, 77, 79, 82, 90, 92, 93, 103, 104, 105, 109, 122, 124, 126, 132, 145, 160
"*Endothyra*" ex gr. "*E.*" *prisca* Rauzer-Chernoussova and Reitlinger	3, 4, 100
sp	2
Endothyranella sp	1, 74
cf. *Eolasiodiscus*? sp	100
Eoschubertella sp	6
"*Eosigmoilina*" sp	
Eostaffella ex gr. *E. acutissima* Kireeva	71, 153
circuli (Thompson)	64, 65, 74, 75, 79, 90, 92, 104
pinguis (Thompson)	105
ex gr. *E. pseudostruvei* (Rauzer-Chernoussova)	65
sp	2, 6, 13, 14, 45, 63, 64, 65, 67, 68, 71, 74, 79, 90, 92, 93, 100, 104, 105, 109, 122, 126, 153, 160
Eostaffellina paraprotvae (Rauzer-Chernoussova)	68
sp	13, 45, 63, 64, 65, ?71, 78, 105
Eotuberitina sp	2, 5, 63, 65, 67, 68, 74, 90, 92
"*Eotuberitina*" sp	14
Globivalvulina ex gr. *G. bulloides* (Brady)	14
sp	2, 13, 100, 132
Globoendothyra sp	63, 64, 65, 67, 68, 90, 109
Glomospira sp	71, 126
Lipinella sp (nom. nud.)	1, 2, 4, 13, 14, 64, 65, 67, 68, 71, 100
cf. *Lipinella* sp	50
Millerella pressa (Thompson)	3, 4, 13, 100
aff. *M. pura* Malakhova	13
sp	1, 2, 3, 4, 6, 13, 63, 65, 71, 100
cf. *Millerella*? sp	68
Monotaxinoides sp	100, 126
Neoarchaediscus incertus (Grozdilova and Lebedeva)	3, 4, 5, 74, 90, 92, 109, 122
ex gr. *N. incertus* (Grozdilova and Lebedeva)	1, 3, 4, 5, 63, 68
parvus (Rauzer-Chernoussova)	2, 3, 4, 5, 74, 90, 92, 109, 122
ex gr. *parvus* (Rauzer-Chernoussova)	68
sp	5, 13, 45, 65, 67, 75, 79, 92, 93, 100, 103, 104, 105, 109, 122, 124, 125, 126, 145, 153
cf. *Palaeonubecularia*? sp	14
Palaeotextularia ex gr. *P. consobrina* Lipina	64, 65, 67, 68, 71, 90, 92, 104, 105
ex gr. *P. longiseptata* Lipina	67, 68, 71, 90, 92, 104, 105
sp	45, 63, 67, 74, 100, 160
Planoendothyra sp	3, 13, 63
Planospirodiscus minimus (Grozdilova and Lebedeva)	92, 109
sp	1, 2, 3, 4, 5, 45, 68, 74, 92, 93, 100, 103, 109, 122, 124, 126, 145, 160
Pseudoendothyra ex gr. *P. kremenskensis* Rozovskaia	74, 75, 79, 90, 92, 104, 105
ex gr. *P. ovata* (Reitlinger)	79
ex gr. *P. struvei* (von Möller)	79
sp	2, 4, 5, 13, 45, 63, 64, 65, 74, 75, 77, 78, 79, 90, 92, 93, 100, 104, 105, 109
Pseudoglomospira sp	1, 3, 4, 5, 6, 14, 50, 63, 65, 68, ?71, 74, 92, 100, 125, 126
Tetrataxis sp	6, 13, 63, 68, 92, 93, 132, 145
"*Tetrataxis*" ex gr. *T. eominima* Rauzer-Chernoussova	124, 126
Trepeilopsis sp	71, 124
Tuberitina sp	14, 67, 71, 90, 92
Volvotextularia sp	65, 145
Zellerina discoidea (Girty)	45, 64, 74, 90, 92, 105, 109
sp	1, 3, 5, 13, 68, 77, 78, 100, 122, 124, 126
Foraminifers? (incertae sedis):	
Calcisphaera laevis Williamson	3, 5, 6, 13, 74, 92, 103, 104, 105
pachysphaerica (Pronina)	104
sp	1, 2, 3, 4, 5, 6, 13, 14, 45, 50, 63, 64, 65, 68, 74, 75, 78, 79, 82, 90, 92, 93, 100, 103, 104, 122, 124, 132, 145
Coelenterates:	
"*Amplexus*" sp	41
Barytichisma amsdenense (Branson and Greger)	?26b, 27, 36a, 36e, 38, 39
Caninia cf. *C. nevadensis* (Meek)	73, 74, 76, 77, 78, 79, 88, 91, 92, 93, 104, 105, 109, 124, 126
Chaetetes cf. *C. eximius* Moore and Jeffords	17
wyomingensis Sando	72, 77, 78, 79, 80
sp. indet	26b, 36c
Duncanopora duncanae Sando	76, 77, 80, 88, 91, ?92, ?93, 104, ?109, 126
Lonsdaleia (*Actinocyathus*) *stelcki* (Nelson)	
Multithecopora? *amsdenensis* Sando	75, 77, 80, 90, 92, 104, 105, 122, 126
Neokoninckophyllum hamatilis Sando	1, 2, 3, 4, 5
inconstans Sando	7
Pleurosiphonella drummondi (Nelson)	78
Turbinatocaninia? sp	73, 75, 76, 77, 78, 79, 88, 91, 92, 93, 103, 109, 124
Zaphrentites? sp. indet	48, 76, 121
Conulariids:	
Paraconularia sp. indet	117, 118
Bryozoans:	
Archimedes sp	97, 121, 122
Bryozoan, gen. and sp. indet	52, 78
Chaetetiform bryozoan, n. gen. A, n. sp	75, 93, 105, 122
n. gen. B, n. sp	72, 94
Dichotrypa? sp	120, 121
Fenestella sp. A	117, 120
sp. B	36a
Fistuliporoid, gen. and sp. indet	
incrusting form	36a, 74, 109
Rhomboporoid, gen. and sp. indet	36a
Septopora sp. indet	36a
Stenoporoid, gen. and sp. indet	122
incrusting form	36a, 133
ramose form	132, 141
Trepostome, ramose form	120, 121, 130, 131, 133, 142, 143
Brachiopods:	
Anthracospirifer curvilateralis curvilateralis (Easton)	92, ?121, 145
curvilateralis brutus Gordon	?75, ?76, 77, 78, 79, 109, 117, 118
shawi shawi Gordon	26b, 29, 36b, 43, 44, 45, 48, 82, 137, 138, A, E, F
shawi exoletus Gordon	19, 26a, 26b, 32, ?34, 35, 36a, 36b, 36e, 38, ?48, 82, 160, B, E, F
welleri welleri (Branson and Greger)	21, 22, 26b, 27, 28, 29, 30, 31, 36a, 36b, 36d, 39, 96, 97, 98, 149, 153, 154
welleri lincolnensis Gordon	82
occiduus (Sadlick)	1, 5, 6, 14, ?15, 83, 84, ?89, 99, 100, ?101, 131, 133, ?140, 141
aff. *A. occiduus* (Sadlick) form A	26b, 149, ?150, 152, 153, 155, ?156, 157, 158
aff. *A. occiduus* (Sadlick) form B	146, 148
rawlinsensis Gordon	3, 4
sp. indet	13, 52, 93
Antiquatonia blackwelderi Gordon	83, 84, 100, 130, 131, 133, 134, 136, 139, 141, 143
cf. *A. coloradoensis* (Girty)	5, 6, 13, 15, 53, 67, 68
sp	?41, 93
Brachythyrina washakiensis Gordon	41
Carlinia amsdeniana Gordon	22, 26b, 27, 28, ?29, ?30, 31, 36a, 39, 43, 44, 48
Cleiothyridina atrypoides saginata Gordon	41, E
aff. *C. elegans* Girty	29, 36a
hirsuta darwinensis Gordon	27, 36a, 36d, 43, 44, 137, ?A
aff. *C. sublamellosa* (Hall)	73, 93
sp. indet	1, 2, 3, 69, 131, 139
Coledium fragum Gordon	93
Composita elongata Dunbar and Condra	3, 131
aff. *C. laevis* Weller	41
ovata Mather	2, 3, ?4, 5, 13, 14, 68, ?87, 117, 118
poposiensis Gordon	26a, 26b, 31, 32, 34, 35, 36a, 36e, 38, 41, 43, ?130, 131, ?139, 143
sigma Gordon	?22, 26b, 27, 28, ?29, 36a, 36e, 39, 44, 45, 47, 48, 82, 97, 137, 146, 149, 152, 153, 154, ?156, ?159, 160, B, E
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subtilita (Hall)	6, 15, 145
sulcata Weller	26a, 26b, ?34, 35, 36a, 36e, 38, 42, 43, 136, 141, A, B
sp. indet	19, ?67, 72, 73, 77, 78, 93, 100, 109, 117, 118, A, B, C, E
Derbyia cf. *D. robusta* (Hall)	1, 2, 3, 4, ?5, 6, ?15
Diaphragmus cestriensis (Worthen)	93, 120, 121, 122
nivosus Gordon	41
Echinoconchus sp. A	1, 3, 5, 6, 13, ?14
Eolissochonetes pseudoliratus (Easton)	67, ?97, 133, 140, 141, 152, 156
Eolissochonetes? *suttoni* (Branson)	36d
Eumetria sulcata Burk	26b, 27, 28, 29, 30, 31, 32, 35, 36a, 36e, 38, 39, 69
Eumetria? sp. indet	146, B, D
Flexaria sp	36a, ?45, 122
Girtyella cf. *G. indianensis* (Girty)	28, 36d
Inflatia lovei Gordon	21, 41, 43, 44, 45, 47, 48, ?82
Juresania sp	52, 54, 100
Lingula cf. *L. carbonaria* Shumard	46
Linoproductus eastoni Gordon	1, 53, 54, ?84, ?100, ?130, ?131, 133, 134, 136, 139, 140, 141
planiventralis Hoare	2, 3, ?4, 5, 6
Linoproductid, gen. and sp. indet	
Mesolobus sp	6, 15, 77
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Orbiculoidea wyomingensis Branson and Greger	36a, 38, 120
sp. A	21, ?146
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Orthotetina amsdenensis (Branson and Greger)	27, 36a, 36b, 36c, ?134
Orthotetes kaskaskiensis bransonorum Gordon	27, ?31, 36a, 43, ?45, ?47
sp. A	120, ?149, ?151, 152, 153, ?155, 156, 157, ?158
sp	53, 54, 139, 140
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Ovatia croneisi (Branson)	22, 26b, 27, 31, 32, ?34, 36d, 41, 85, 100, 128, 146
muralis Gordon	?43, 45, ?84, ?149, ?152, ?155
Productoid, gen. and sp. indet	32, 35, 93, 121, 122
Pugnoides quinqueplecis Easton	?21, 26a, 26b, 32, 34, 35, 36a, 36b, 36d, 36e, 38, ?39
Pulsia delira Gordon	43, 69, 82, B, C, D
sp. A	52, 72
Reticulariina browni (Branson and Greger)	26b, 27, 36a, 36b, 36c, 36d, 69, 95
Reticulariina? sp. indet	A, B, E
Rhipidomella carbonaria (McChesney)	41
Rugoclostus williamsi Gordon	cf. 83, 85, 86
Schizophoria depressa Easton	36a, 41, 45, 63, 94, 99, 100
aff. *S. texana* Girty	13
Schuchertella poposiensis (Branson)	45, 67, 68, 140
Scoloconcha globosa (Mather)	13, 36d, cf. 69, E
Selenella? *walteri* C. Branson	36b
Torynifer setiger (Hall)?	28, 45, 137
Pelecypods:	
Astartella concentrica (Conrad)	?4, 40, 50, 52, 53
sp	41
Aviculopecten gravidus Gordon and Pojeta	3
sp. A	119
sp. B	50, 53
spp. indet	1, 29, 30, 53, 80, 93
Aviculopinna sp	67
Caneyella sp	46
Cypricardella sp	36c
Cypricardella? sp. indet	20
Edmondia spp	40, 50, 52
Isofilibranchian?, gen. and sp. indet	28, 31
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Myalina (*Myalina*) sp	3
Nuculopsis sp. A	36c, 36d
sp. B	50, 53
Paleyoldia amsdenensis (Branson and Greger)	27, 29, 36b, 36d
sp	50, 53
Permophorus sp. A	?3, 50, 52, 53
Pernopecten sp. indet	50, 52, 160
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Posidonia sp. indet	46
Pseudomonotis sp	52
Sanguinolites sp	22
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cf. *S. depressus* Worthen	20, 28, ?29, 36d
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"*Conocardium*" sp. indet	140
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Donaldina aff. *D. pygmaea* (Weller)	36d
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Gosseletina? sp. indet	35
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Straparollus (*Euomphalus*) *caliz* Gordon and Yochelson	
aff. *S.* (*E.*) *plummeri* Knight	1, 3, 50, 52, 160
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Strophostylus sp. indet	36d
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Yunnania? sp. indet	50
Cephalopods:	
Cravenoceratoides sp. indet	35
Goniatitacean, gen. and sp. indet	40
Orthoconic nautiloid, gen. and sp. indet	?F
Reticycloceras? sp. indet	?F
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Archaeocidaris spp	3, 36d, 134
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Paladin moorei (C. Branson)	30, 31, 36d, 94, ?117
sp	3, 36d, 50, ?52, ?78
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"*Ectodemites*" *warei* Morey	24, 25, 37
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sp	50
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Cornulitella cf. *blatchleyi* (Cumings and Beede)	36b
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"*Cladodus*" sp	83
cf. "*Cladodus*" *exiguus* St. John and Worthen	103
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cf. *Thrinacodus nanus* St. John and Worthen	103, 127
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