(200)
R29o
c. 34

PLEASE REPLACE IN POCKET
IN BACK OF BOUND VOLUME

U.S. GEOLOGICAL SURVEY
WASHINGTON
JUL 1 - 1949
LIBRARY

U.S. GEOLOGICAL SURVEY
136269
LIBRARY

TABLE 1, PART I.
FAUNA OF THE PHOSPHORIA FORMATION
(as compiled from published identifications)

	Montana, Southeastern Idaho, Western Wyoming and Northern Utah																														West-central Wyoming								Southeastern Wyoming						
	Phosphatic shale member																								Rex member																					
	Lower part														Upper part									Position unknown																					
			Montpelier Canyon, Idaho								Sublette Ridge, Wyo.							Cokeville Wyo.		Sublette Ridge												Wind River-Owl Creek Mountains						Absaroka Range								
	Three Forks, Mont. (at base)1/	Sean Lake Gulch, Ida. "Cap lime."2/	"Underlimes" (at base)2/	"Cap lime" (8' above base)2/	Phosphate rock (13'-17' above base)2/	Limestone (17' above base)2/	Shale (18' above base)2/	Shale (25' above base)2/	Limestone (28' above base)2/	Franson Canyon, Utah (Near base)3/	Limestone (60' below Rex)2,4/	Limestone (60' below Rex?)2,4/	Limestone (53' below Rex)2,4/	Limestone (48' below Rex)2,4/	Limestone (38' below Rex)2/	Limestone (32' below Rex)2/	Limestone (59' below Rex)2/	Upper phosphate bed 2/	Crawford Mts., Utah. Upper phosphate bed 2/	Limestone (25' below Rex)2/	Limestone (11' below Rex)2,4/	Hot Springs, Idaho 2/	Crawford Mountains, Utah 2/	Weber Canyon, Utah 2,5/	Woodruff Creek, Utah 2/	Deer Creek 2/	Fort Hall Indian Reservation 6/	Weber Canyon, Utah 3/	Ashley Creek, Utah 3/	Locality unknown 2,7/	Lower chert member 6,8,9/	Lower phosphate member 6,8,9,10/	Pustula member 6,10,11,12/	Hustedia member 6,12,13/	Top limestone member 4,6,12,13,14/	Position unknown 15/	Absaroka Range (near base)16/	Position unknown 16/	Rattlesnake Hills: position unknown 12/	Rattlesnake Hills 17/	Whiskey Gap 17/	Sybille Springs 17/	Rattlesnake Hills 4,17/	Green Mountains 17/	Red Mountain (Satanka shale)4,15,18/
Foraminifera																																															
Foraminifera undet.																																															
Schwagerina laxissima Dunbar and Skinner	●																																														
Pseudoschwagerina montanensis Prensel and Wanderff	●																																														
Cornuspira sp.																																															
Spandelina sp.																																															
Spandelinoides sp.																																															
Nodosinella sp.																																															
Sponges																																															
Sponge?																																															
Crinoids																																															
Crinoid fragments																																															
Erisocrinus? sp.																																															
Delocrinus? sp.																																															
Echinoids																																															
Procidaris hallianus Geinitz																																															
Conodonts																																															
Gondolella sp.																																															
Hindeodella sp.																																															
Enchostoma																																															
Bryozoans																																															
Bryozoans undet.																																															
Fenestellina aff. F. carbonaria (Worthen)																																															
Stenopora sp.																																															
Batostomella sp.																																															
B. n. sp.																																															
B.? sp.																																															
Amphiporella laminaris Girty																																															
Leioclema sp.																																															
L. n. sp.																																															
Polypora sp.																																															
P.? sp.																																															
Phyllopora sp.																																															
P. n. sp.																																															
P.? sp.																																															
Septopora sp.																																															
Fenestrellina																																															
Fenestrapora sp.																																															
Brachiopods																																															
Linoproductus aff. carbonaria Shumard																																															
L. carbonaria Shumard?																																															
L. carbonaria var. exporecta Girty																																															
Dictyoclostus n. sp. aff. D. wyomingensis (Shumard)																																															
D. wyomingensis (Meek)																																															
C. convexa (Shumard)?																																															
C. sp.																																															
Orthotetes sulcus C. Branson																																															
Derbya aff. D. multistriata Meek and Hayden																																															
D. multistriata Meek and Hayden?																																															
D. sp.																																															
D. n. sp.																																															
Derbya (Plicatoderbya) magna C. Branson																																															
D. aff. (Plicatoderbya) plicatella Waagen																																															
Meekella sp.																																															
Chonetes ostiolatus Girty																																															
C. ostiolatus var. minusculus Girty																																															
C. ostiolatus var. impressus Girty																																															
C. phosphoriensis C. Branson																																															
C. aff. C. geinitzianus (Waagen)																																															
Productus geniculatus Girty																																															
P. semireticulatus (Martin)																																															
P. multistriatus Meek																																															
P. multistriatus Meek?																																															
P. (Linoproductus) cora (d'Orbigny)																																															
P. (Linoproductus) phosphaticus (Girty)																																															
P. (Linoproductus) waageniamus (Girty)																																															
P. (Waagenoconcha) montpelierensis (Girty)																																															
P. (Waagenoconcha) humboldti d'Orbigny																																															
P. (Pustula) nevadensis (Meek)																																															
P. (Pustula) nevadensis (Meek)?																																															
P. (Pustula) aff. P. porrectus Rutorgas																																															
P. (Avonia) sabnorridus (Meek)																																															
Juresania? sp.																																															
Marginifera [illegible] Girty																																															
A. cf. hispidus Girty																																															
Camerophoria n. g.																																															
Leiorhynchus meeki (Girty)																																															
L. meeki var. mobilis (Girty)																																															
Pugnoides utah Girty																																															
P. osagensis (Swallow)																																															
P. osagensis var. occidentalis (Shumard)																																															
Rhynchopora taylori Girty																																															
Dielasma phosphoriensis C. Branson																																															
D. cf. phosphoriensis C. Branson																																															
D. n. sp.																																															
D.? sp.																																															
Heterelasma? n. sp.																																															
Spirifer (Neospirifer) cameratus var.																																															
S. aff. S. (Neospirifer) cameratus Morton																																															
S. (Neospirifer) pseudocameratus Girty																																															
S. aff. S. (Neospirifer) dunbari King																																															
Punctospirifer pulcher (Meek)																																															
P. pulcher? (Meek)																																															
P. kentuckyensis (Shumard)																																															
P. cf. kentuckyensis (Shumard)																																															
P. aff. kentuckyensis (Shumard)																																															
Ambocoelia arcuata (Girty)																																															
Phricodothyris perplexa (McChesney)?																																															
Hustedia phosphoriensis C. Branson																																															
H. meekana (Shumard)																																															
H. mormoni (Marcou)																																															
H. sp.																																															
Composita mira (Girty)																																															
C. mexicana (Hall)																																															
C. cf. mexicana (Hall)																																															
C. subtilita (Hall)																																															
C. subtilita var.																																															
C. plana C. Branson																																															
C. gigantea C. Branson																																															
C. parva C. Branson																																															
C. cf. parva C. Branson																																															
C. quadricostata C. Branson																																															
Pelecypods																																															
Pelecypod undet.																																															
Grammysia ? carbonaria Girty																																															
Schizodus gibbosa Swallow																																															
E.? perplicatus Girty																																															
E.? sp.																																															
Cardiomorpha? sp.																																															
Nucula ritchella Beede and Rogers																																															
N. perumbonata White																																															
N. montpelierensis Girty																																															
N. poposiensis C. Branson																																															
N. sp.																																															
Yoldia mcchesneyana Girty																																															
cf. Y. mcchesneyana Girty																																															
Solenomya radiata Meek and Worthen?																																															
S. sp.																																															
S.? n. sp.																																															
Chaenomya? sp.																																															
C.? n. sp.																																															
Leda obesa (White)																																															
L. obesa (White)?																																															
L. [illegible] Stevens																																															
L.? sp.																																															
Cyrtorostra varicostata C. Branson																																															
C. sevrensis C. Branson																																															
C.? sp.																																															
Parallelodon aff. P. tenuistriatus (Meek and Worthen)																																															
P. sp.																																															
Pseudomonotis sublaevis Girty?																																															
P. aff. P. sublaevis Girty																																															
P. aff. P. hawni (Meek and Hayden)																																															
P. n. sp.																																															
P. sp.																																															
P.? sp.																																															
Oxytoma? sp.																																															
Pteria sp.																																															
Myalopteria sp.																																															
Myoconcha perplicata Shumard																																															
Myalina subquadrata Shumard [= M. deltoidea]																																															
M. elongata C. Branson																																															
M. elongata C. Branson?																																															
M. wyomingensis (Lea)																																															
M. cf. wyomingensis (Lea)																																															
M. aff. M. wyomingensis (Lea)																																															
M. perattenuata Meek and Hayden																																															
M. aff. M. perattenuata Meek and Hayden																																															
M. n. sp. aff. M. perattenuata Meek and Hayden																																															
M. cf. aviculoides Meek and Hayden																																															
M. cf. M. perelana Swallow																																															
M. sp.																																															
Schizodus canalis C. Branson																																															
S. compressus Beede																																															
S. n. sp. aff. S. compressus Beede																																															
S. meekanus Girty																																															
S. ferrieri Girty																																															
S. ferrieri Girty?																																															
S. concinus C. Branson																																															
S. aff. S. deparcus Walcott																																															
S. aff. S. subcircularis Herrick																																															
S. cf. S. wheeleri (Swallow)																																															
S. phosphoriensis C. Branson																																															
S. sp.																																															
S.? sp.																																															
Myophoria lineata?																																															
Dunbarella aff. D. whitei																																															