**Inside Cover**

Museum of Ottawa University

O.C. Charlton

**11**

No. Contributors

1. Wm. Chenoweth. Newak, N.J.
2. Dr. A.R. Bodley. Ottawa, Kan.
3. “ “ “ “

4. 5. 6. 7. 8. 9. 10. 11. 12.

13. Company paving streets of Topeka, Oct, 1887.

14. Dr. A.R. Bodley

15. 16. 17.

1888

22. J.J. Bullock, Severy.

23 “ “

24. 15. Abner Yates. Yates Center Kan

26. J. P. Anderson

27. Rev. J. B. White Ill

28. A.R. Bodley

29.

30. J.W. Stocks, Black Hawk, Col.

31. Opal, A.R. Bodley

32. Dr. A. R. Bodley

33. Geo. T. Brown. Ottawa. Kan.

36. Quartz Agate. M McMahon

38. O.C. Charlton

**12**

51. Mayor Hawkins, Ottawa, Kan

52. Julia Walsh

53. Dr. A.R. Bodley. 55. 56. 57, 58, 59, 60, 61, 62, 64

54. Clark

638. O.C. Charlton.

65. Mabel Crawford

66. x.

**51**

No. 1 Specimens Names & Notes

1. Sword Fish.

This sword was cut from the head of a sword fish captured 23rd of July 1879 by Capt. Wm, Brown of the fishing schooner, Osprey, after it had thrust it’s sword through the bottom of the boat, the entire length of the sword going through and swamping the boat.

1. 8206. Fine Grained Wood Ore Limonite

Superior, Mine L.S. Mich

Wettstein Negaunee

1. Goniatites Volutus,

Rockford Ind. (near Seymour)

1. Goniatites Volutus,
2. Petrified Wood. Petrified Forest, Col
3. D247 ND238 Asbestos. A hard fibrous mineral. N. C.
4. Vegetable Ivory.
5. “ “
6. Echinoderm, Pentremites pyriformis.

Sup carboniferous

1. “ “
2. Algae. St. Louis Group.

207

**52**

DARK

1. Basalt Trap Rock, Mich. D311. Laboraloutr(?) Mich
2. D830. Asphathim. From Island of Trinidad, S. Am,

Refined on removal from mine.

Used in paving streets of Topeka, 1887

1. Pyrolusite. Manganese, (Baryta, Quartz) Mn O2.

McComlin mine, Mich.

1. Serpentine Marble, Deer Lake Mich.
2. D206. Glossy mammillary (Wood Ore Limonite.) (Museum) Magunce, Mich.
3. D370 Apophyllite, & Calcite Quincy mine. Houghton Co. Mich
4. Serpentine Marble, Deer Lake Mich.
5. Iron mottled amethyst on Granite D231 Keennesaw P.T. Mich
6. D199 Black Oxide of Manganese. McComlin mine.

Marquette Co. Mich.

22. Indian Ax. North eastern Arizona.. J.T. Bullock Severy

 Unlike those used by present natives of the section. Found 1885

23. Agatized wood, Arizona.

24. Fossil. (?)

 From quarries near Yates Center, Kan

 25. Sandstone. “ “ “ “

 Used as ordinary building stone and sown into finishing bricks, the market value of which is about that of fire bricks.

1. RD654 Gypsum. From layer 3 feet thick on Benj.

Wreath’s farm, 2 miles SE of Olsburg, Pottawatomie Co. Kan

27. RD231 Chalcedony in Geode

**53**

28. Quartz, D231

29. Agate. D231

30. Copper Ore

 (Saned de Cristo) Snowy Range Rocky Mts.

31. Opal, (D232)

32. D271 Garnet. Dr. A.R. Bodley C after 62

53. Pyrargyrite, (917) & Argentite, (D40)

 Caracoles, Bolivia.

54. ~~Chalcedony. Clarks.~~

55. Crystalline Native Copper, Portage Mine.

56. ~~Mass Copper (Native)~~

56. Mass Copper. (Native) D12

 With Brown Prehinute D363, Epidote D276

 Portaage Mine, L.S. Mich

57. Copper Native D12

58. D12

59. D 231 Quartz

60. D 231

61. D12, Massive Copper & Calcite D715, on Trap Rock. D231

 Quincy mine Houghton Co. Mich

62. Dusty Quartz on Crystallized Copper. D12

 Quincy mine Houghton Co. Mich

33. D231 Quartz, Rock crystal.

34. Garnet, Conn. In Mica Schist. O.C. Chartlon.

35. D1 Gold Quartz. Pikes Peak. Mayer Hawkins

36. Agate. D231 Montana

37. D271 Garnet

38. D320 Tourmaline (Conn.) IN

39. D232. Opal. Col. By.

40. D231 Mass Agate.

**54**

 42. Quartz. D231

44. D316 Olsidian, Cal. Dr. A.R.B.

45. D231 Agate. Col. By.

46. Halysites catermlata, chain coral, Lake Superior. Mrs. Jones

47. D8. Native Mercury. Wall St. Mine, Lake Co, Cal. Bodley

50. Quartz. Rock Crystal. Chester, Mass. (D231)

51. Gold. (D1) Native and free in Quartz.

52. Silver. D2. Wire or “Thread Silver” enclosed in crystals of Calcite (?) With Zinc ( ) & pyrites

La Plata Mine, Leadville

53. Pyrargyite D117 & Argentite.

Caracoles, Bolivia.

54. Caleopyrite. D78

63. D254 Beryl. With mica, quartz & Feldspar. Conn.

64. D12 Native Moss Copper, Quincy mine, Houghton Co. Mich.

65. D44 Galenite, With Blende.

66. D44 Galenite. With

67. D206 Rare Ocherous Grape Ore Limonite.

 Pioneer Mine, L.S. Mich.

68. D654 Rose Gypsum.

69. D231 Brown Jasper, Calaveras Co. Cal.

70. D231 Chalcedorsy. By… Clark.

71. D12 Crystalline Native Copper. D.A.R.B

72. D630 Tabular Barites (Heavy Spar) & White Ore.

73. ~~D140 Cerargrite~~, Mich. Dr. A.R. Bodley

73. D140. Ceragrite, Caracoles, Bolivia.

74. D199. Pyrolusite (?) Manganese Needle Ore. With Baryta.

McConler Mine, Mich. Dr. A.R. Bodley

**55**

75. D316. Orthoclase. Amazon Stone. Pikes Peak Col. O.C.C.

76. D16“ “ “ El Paso Co, JAS H Reeves ~~Pikes Peak~~ (?) Col.

77. D316“ “ “ Pikes Peak Col O.C. Charlton

78. D631 Celestite, Fibrous. Garden of the Gods Col.

79. D63“ In crystals “ Jas. H. Reeves.

80. D324 Cyanite, Darby Creek, Delaware Co. Penn. (Coll By W.W. Jefferis) Jas H. Reeves

81. D447 Jefferisite. Westchester Penn. Named after W.W. Jeferis. Jas H. Reeves

82. D212. ~~D117~~ Gibbsite on Hermatite Clinton Co Mo.

83. D729 Cerussite & D493 Pyromorphite. Joplin Mo. Jas H. Reeves

84. D 361 Calamine. Granby. MN. Jas. H. Reeves.

85. D 292. Astrophyllite. El Paso Co. Col. Jas. H. Reeves. Joplin Mo.

86. D 573. Antunite with apatite. Columbitere Middletown, Conn. J.H. Reeves.

87. D 56. Sphalerite or Blende. Joplin Mo, Jas. H. Reeves.

88. D64. Cinnabar. Lake Co. Cal. Dr. A.R. Bodley

89. D75. Pyrite (Mumdic) Fe Sz. Joplin Mo.

90. 91. A.C. Austin

92. D75. Pyrite on Blende D56. Joplin Mo.

93. D75. Pyrite. Joplin, Mo.

94. 716 D716. Dolomite (CaCO3 + mgCO3): Joplin Mo. Picher Lead, Zink Co.

**56**

95. D56 & D716. Ruby Blende, Dolomite Zincite or (Belleville) near Joplin, Mo. E.J. Williams.

96 & 97. D56 & 716. Blende & Dolomite. Zincite, Mo.

98. 99. 100. D56 & 716 “ “ “ E.J. Williams

101. D56 “ “

102. D56 “” Flint

103. D75. Pyrite. (Fe S2.) Or Blende(Zn S) D52 Zincite Mo

104. D75 “ “ “ E.J. Williams, Joplin

105. D715. Calcite, Zincite Mo.

106. D715 “ With incrustation of x

107. D715 “ “

108. D231: Quartz. ~~Rock Crystal Ore~~ Mineral Blossom Potosi Mo.

109. D231 “ “ “ “ “ “

110. D231. Quartz, Cheshire Conn. By O.C. Charlton.

111. D75. Pyrite & Silver Ore, Central City, Co.

112. 113. 114. 115 J.W. Stocks

116. D206. Perfect Birds- eye Velvety Columnar Pipe ore. Kendall Mine. L.S. Mich. Limonite. From Withsein’s Negaunes (Comp2 Fe2 O3 + 3H20)

117. D180. Glossy Black Pearl Hermatite. Jackson Mine L.S. Mich. FeO3 Dr. A. R. Bodley.

118. D206. Limonite, Ishpeming, Mich Will Reineke

119. D206 “ “ “ “

120. D186. Magnetite “ “ “

121. D231. Sugar Quartz mixed with Pyrite. “ “

57

122. Galenite. Silver bearing (gold) Green ???? mine Oregon. $7000 per ton. Chas. H. Hart

123. Iron ore, Oswego Iron Mine 8 miles from Portland Oregon. Chas. H. Hart.

124. D206. Limonite, Mich.

125. 126. 127. 128. Limonite. Ashpeming, Mich.

129. D12. Native Copper & D715 Calcite (?) Dr. A.R. Bradley.

130. D12. Arboneseeut Native Copper & Conglomerate Calumet Mine L.S. Mich. Dr. A.R.B.

131. D12. Native massive Copper. Mich

132. D75 & D715 Fine crystals pyrite & Calcite. Spunn Mine, Mich.

133. D75 & D715 & D231. Pyrites, Pink Calcity & Quartz. Marquette Co, Mich. Dr. A.R. Bodley

134. D206. Limonite “Birds-eye Iron Ore”, Lake Superior. Dr. A.R. Bodley

135. D108. Miargyrite. AgS+Sb2S3. Austin Nevada (Henry G. Hauks, San Francisco) Dr. A.R.Bodley.

136. D316. (Orthoclase) Obsidian, L=California. (Henry G. Hauks San F.) Dr. A.R.B.

137. D316 (Orthoclase) Egyptian Porplyry O.C. Charlton

138. D316. Orthoclase Feldspar. Portland Conn. O.C. Charlton

139. D29. Sb2S3 Stibute, Antrimory Glance Kenn Co. (Henry G. Hauks San Francisco) Dr. A.R. Bodley.

140. D132, Evangite. 3CnS+As2S5- Alpine Co. Cal. (Henry G. Hawks. SanFrancisco.) Dr. A.R.B.

141. D159 Fluorite or Flun Span. Alston Mon Eng. Jas. H. Reeves, Joplin Mo.

142. D206 (?) Limonite Velvet iron ore.

143. D206. Limonite ordinmite.

144 “ “ “ Dr. A.R Bodley

145. D715. Calcite, maidens Bluff, Mo. Dr. A.R. Bodley

146. D715 Calcite Crystal.

147. D44. Galenite. Pbs Joplin Mo.

148. “ “ “

149. 150. 151. D44 “ “ “

152. D798 n 799. Fossil Resin, New Zealand. Dr. A.R. Bodley

153. D715. Calcite & Pyrite D75

154. D56. Free Pebble Jack. (Blende). Something mostly in Dolomite crystalline form, Easily separated by washing, not abundant. A.C. Austin

155. D361 Calamine. Granby o.

156. D180. Glossy Black Pearl Hamatite, Mich

157 & 158. Wettsteins Museum, Negamee Mich. Dr. A.R.B.

**59**

159. D199. Pyrolusite. Needle Manganese. Mich. Dr. A.R.B.

160. D231. (Quartz) Silicified Wood. El Dorado Co. Cal.

161. D231 “ “ “ Nevada Co. Cal.

162. D715 Dolite.

163. D715. Oolite. (Calcity)

 Garnett, Kan Prof. Paige

 Found loose in soil of prof. pages Orchard in Garnett.

164. D31. (1,2,3,4,5,r6) Quartz. Brazilian pebbles in various stages of preparations for making spectacles.

 1. Pebble in the rough

 2. “ “ sawed once

 3. “ “ twice

 4. “ One face polished

 5. “ One face sawed

 “ polished

 6. “ both “ polished

 From Brazil.

 Presented by Detroit Optical Co.

165. D715 Calcite. Gale Spar or Iceland Spar for showing double refraction.

166. D654. Gypsum crystal. From wellin School District No 9 miles S.E. Ottawa.

167. D293. Mica. Musiovite. Portland Conn.

168. D316. Granite, Mormon Temple. Salt Lake City.

169 with 166

170 “ 168

**60**

171R D316. Orthoclase Feldspar. Portland Conn.

172. “ “ “ “ O.C.C.

173. “ “ “ “

174. D231. Silicified Wood. Petrified Forest. Col. Dr. A.R.B

175. D419. Clays, Mabel Crawford.

176. R.

 Rock of iron ore with “Ore diamonds.”

 Ein. Reinike

177. D 830. Asphaltum California

 Ventura Co. Dr. A.R.B.

178. R. “ “

179. D654. Gypsum.

180.D231. Petrified Wood.

 Col. Miss Lida Brewer.

181. D231 “ Mrs. J.K. Jones

182. 2. Geode. (Quartz crystals?) Dr. A.R.Bodley

183. D715. Stalactite. (Calcity) Wyandotte Cave, Ind.

184. D293 black Mica

185. Conn.

187. D715. Calcity. (Loc. X) Devornian Hudson

188. D715. “ Joplin Mo.

189. D715. Stalactite.

190. “ “

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191. R.D

192. R. D.

 Chester Mass.

193. R. D.231. Quartz

194. R New Mexico Mr. Rose

195. D715. Lime deposit. Perhaps around weeds.

196. D180. Diamond drill core of Hermatite & Quartz.

 Jackson Mine, Mic. Dr. A.R.B.

197. Diamond drill cores.

198. D56. Blende (Steel Jack)

199. D44. Galanite

Sept. 1888 “ Mc. Hansen

200. “ “ “

**62**

201. Gorniatites Volutas. Rockford Ind.

202. Frilobrites Hall. CinO.

 Lower Silurian

203. Cast of Spirifer Striatus.

204. Eucalyptocrinus Chicagoeusis. Wo Mo.

 Magara Group. Bridgeport, Ill.

205. Zaphentis Spissa. Hall

206. Sub Carboniferous, Burlington, Iowa.

207. Algae (?)

 St. Louis Group.

208. Orthus Occidentalis. Hall,

209. Spurifier studius

 Sub, Burlington Dr.

210. Ammonites Braikenridge.

 Jurassic, Great Oolite Dr.

211. Orthis Briforata.

 Lower Silurian. Cincinnati. O.

212. Orthis plicatella, Hall

 L.S. Cincinnati. O.

213. Calymenia Niagarensis.

 Waldon, Ind

214. Gorniatites Volutas?

 Sub carborniferous Krisderhook, Kuolstone

 Rockford Ind

215. Allorisima subcuneata.

 Ottawa, Kan.

216. Productors punctalus.

 Carb. Ottawa, Kan

217.

218. Spirifer acurninata.

 Devonian, sfanover Ind.

219. Pinna peracuta,

 Ottawa Kan

 From stone use in building house of Ottawa chief, H.T. Jones, 4 mi, N.E. Ottawa.

220. Archinedes,

 Sub Carb?

221. Orthoceras lateralis.

 Philadelphia

222. Strophomena alteranata, Conrad.

 L.S. Cincinnati. O. Dr. A.R.B.

223. Crinoid Stems

 Lower Silurian Cincinnati O. Dr. A.R.B.

224. Rhynconella Whitis,

 Waldron, Ind.

225. Megalodon curcullatus

226. Atrypas reticulaus.

 Niagara Period.

227. Rhynconella mutate

 Lower Carb (?) Fredonia (?)

228. Illasia Rusigna.

229. Productus costatus.

 Caboniferous. Ottawa, Kan.

**64**

230. Alhris incrassit (?0

231. Merista levis (?)

(Original Meristella Maria) U.S. hiayasa Group. Waldron Ind.

232. Cast of Spirifer incrassatus, neutral value showing

 Muscular impression. Dr. A.r. Bodley.

233. (5sp) Hemipronites Crassus, (Streptorhyuehus sulcata)

 (De Vermuril) Oxford O.

 Lower Silurian.

234. (4sp) Orthis hybrid.

235. Spirifer.

 Krinderhook Dr. Jersey Co, Ill. Dr. A.R.B

236. Rhynconella Tennesseensis

 L.S. (?) Dr. A.R.B

237. Illaenus Armatus. Hall.

 U.S. Niagara Dr. Bridgeport Ill. Dr. A.R.B

238. Algae,

 Carboniferous. Ottawa Kan. Dr. Bodley

239. Alsypa retirulan’s.

 Devonian, Hamilton Dr. Rockford Ill. Dr. A.R.B

240. Rhynconella mutate. Hall (or Subnunenta?)

 Sub C. Keakuk Dr. Dr. A.R.B

241. Cyclomena Bilix. (Conad)

 L.S. Cincinnati O.

242. Chonetes granulifera

 L.S. (?)

**65**

243. Orthis

244. Sprifer lineatus

245. Chonetes mesoloba.

 Carboniferous

246. Rhyncorella mentat??

247. Lepetopsis

 Bridgeport, Ill.

248. Platyostorma Magarerisis

249. Pentarneras clieagoensis

250. Tusilina

 carboniferous

251. Orthoresas.

 L.S. Jersey Co. Ill.

253. Orthceras

 L.S.

254. With 251

255. Spirifer ???

256. Spirifer plenus.

257. Spirifer lisulcata. Sub Carboniferous

258. Spirifer biplicalus Sub Carb

259. Clanorbis

**66**

260. Ferebratula Formuosa.

 Ottawa, Kan.

261. “ “ “

262. Syntrielasmus hemiphicata

263. Orthis michelini (Burlingtoniensis.

264. Productus.

265. Zaphrentis dali

 Hancock Co. Ill

266. Hummulites

 Mich

267. Spirifer. Dr.

268. Spirifer biplircatus

 Ft Dodge Iowa.

269. Cast of Ventral Value of Spirifer Striatus ??

270. Ethirodenus

271. Encalyptocriuus Chrystii. Hall.

272. Lacrocrrius Chrystii. Hall.

273. Orthus orcidentalis

 Southern Indiana

274. Fernestella retiformis

275. Calarmites cannaeformis

 Union Co. Ill

**67**

276. Ergidophyllum simcoeuse. Deromare. Coniferous

 Indiana

277. Spirifer

278. Algae

280. Coral favorite venmistus Carboniferous.

 Mulberry Grove. Crawford Co. Ks

281. Receptaculites Owem

282. Productus custatus

 Centropolis Ks

284. Coral

 Petoska Mich.

285. 3.R

 Hanover, Ind.

286. Productus punctatus Carb.

287. 2.R. Ottawa Ks

288. Coral. Cyathoplyllum Rugosum

289. Personal retained

290. Cryozoan Coral. Tenestell prised. Carb

 Ottawa, KS

291. Impression Ventral Valves Productus x

292. Lachimidea concentrica

293. Fusilina cylindrisa. X

294. Part of casts jimteuor of Petamerus oblougus

**68**

295. Strypa retiularis.

296. Lithostrotion Mamillare.

 Near New Albany Ind.

297. Favorites Srelandia.

298. Favorites stellata

 Hanover Ind.

299. Favorites goldfuses

 Hanover Ind.

300. Columuaria alveolata

 Southern Indiana

301. Favorites favosus

 Mich ?

302. Cormuletes proprius

 Jersey Co Ill.

303. Chaetetes Jarmesi

 Cincinnati

304. Cyathopbyllum rugosurm.

 Polished

305. Tetepora Augulata. Bryozou Coral

 Ottawa, Kan

306. Montrinlipora Wlrichi. Nidiolson

 Cincinnati O.

 Orig, Label, Chaetites subpulccrella.

307. Glyptorimus decadactylus

 Cincinnati O.

308. Morticulipora Dalii

 Cincinnati O.

309. Morticulipora

**69**

310. Calamites

 Ottawa, Kan.

311. Calamites camrae forumis.

 Ottawa, Kan

312. Indiana Relices. Michigan. Some from the Mounds

313. Cinderellas Slipper. Coal Mine Cherokee Kan.

314. calamites Eistri.

 Fredonia, KS. Dr. Le. J. Butin.

315. Calamites Cistri

 Fredonia, KS Dr. C.J. Bulin

316. Calamites carneaforuis

 Fredonia. Kan. Dr. C.J. Bulin

317. Plagiastoria Jurassic

 Dr. A.R. Bodley

318. Indian Ax D.C. Wilkinson

 Found at the Bradshaw Mound, Green Co. Illinois by D.C. Wilkinson and owned by him nearly 30 years. The Ax was originally owned by the Cakokias (Indians) sometimes called Mound Builders who greeted the mound at which the x was found. The mound tries well with nature and contains over 1210000 cubic yards of dirt. The ax was used for breaking dry striles and for other purposes where heavy blows were required.

**70**

319. Limestone Abner Yates

 Yates Center Kan.

 Used in building. Very hard. Takes good polish

320. D Cyathophyllorid Corals

 New Albany Ind.

321. Shale

 River Bank. E 7th St. Ottawa, Kan.

322. Bones from 20 ft below surface of riverbank near Ottawa

323

324 “ “ “ “

325. INDIANA ARROW HEADS.

326. “ “ “ “

327-335. Bones & Teeth of Elephas primigerius forhand in excavating

railroad cut through sand bank in Arlington Reno Co. Kansas.

 Presented by A.B. Caldwell

 Washington Farley

 Found 1887 Ore brought of steusy Bixley

 July, 1888, O.C. Charlton

327. Tooth Elephants. A.B. Caldwell

328. Elephants Fossil Tooth. Bought of Henry Bixey

329. “ “ Fermer. Head of. Washington Farley

330. “ Humerous “ Farley

331. “ “ Bone Fossil “ “

332. “ “Bones, Fragments.

333. 334.335 “ “ “ “

**71**

336. “ “ “

 Russel Co. Kan. Mrs. Wash. Farley

337. Fossil bones.

 Arlington, Kan

338. Cyrotoceras Fosters L.S. Trenton

 Bridgeport, Ill. Dr. A.R.B

339. Quartz

 Col. E.E. Strkueatta

340. Gypsum Miss F. E Nickerson

 Clay Co.

341. Gypsum E.E.

 Clay Co.

342. “Mound Builders Pestle oldest form known. Found few feet below surface Ottawa Kan,” Dr. A.R. Bodley

343. From Load of Coal. E.E.

344. “Mound Builders skull. Very old & rare.Dug up by A.R. Bodley” 1882

 Pleasant Lake, Indiana

345. Limonite Versailles Mo M.C. Hanson

346. Productus costatus.

 Ottawa, Kan

347. Dolomite & steel Blende. A.C. Ansth

 Joplin Mo.

348. 349. Indian Arrow Heads

350. Red Orthoclase

 Rocky Mts. Dr. A.R.B

**72**

351. Productus costratus

 Ottawa. Ks

352. Fossiliferous Chert, “Pulley Stone” ofof Mcutill

 White Prize New.

353. Halite, Common Salt

 Store of Great Salt Lake Rev J. B. White

354. Native Silver

 Nevada Dr. A.R.B.

355. Nickel Ore. Millerite

 Gem Mine, Custer Co. Col J.W. Storks

366. Krolimite J.D. Neilson

 Versailles Wamen Co Md. By N.C. Hansen

367. Magnesian Limestone

 Grahaw Co, kan. Dr. A. R. Bodley

368. Chalk.

369. Crinorid Stem in Flint.

 Webb City Mo.

370. Cinnabal

 New Al Maden Cal. Dr. A.R. Bodley

371-375. Graphite. Presented by the Dixon

 Co. Jersey City, N. J.

371. Graphite Freouderga N.Y.

372. “ “ “ “

373. “ “ “ Bavaria

374. “ Sonora, Mexico

375. “ Veylon

376. Blende Bearing Pyrite, crystals

 and Dolomite

East Hollow Jopin, Mo. Mr. Samuel Leshie

**73**

377. Pterygotus U.S. Lower Helderburg

 Peru, Ind Dr. A.R. Bodley

378. Blende.

 Joplin, Mo Col. Abraham Block.

379. Blende & Galenite

 “ “

380. Calcite J.D. Neilson

 Versailles Mo. By. N.C. Hansen

381. Coral.

382. Vermont Marble Dr. A.R. Bodley

383. ?

384. Lowa Judson Williams

 Arizona

385. Quartz.

 Central City Col. Jan 7, 1890 N.C. Hansen

386. Calcite (CaCo3) Stalactite

 From cave near Fairplay, Col.

 Jan 7, 1890. N.C. Hansen

386. Solver ore with pyrites of Iron.

387. Central City. Col. Jan. 7, 1890 N.C. Hansen

**74**

388. Crinoridea. Head plates.

 Aug. 1889. Rev John Bennet

 Kansas City Kansas

389. Ambonuychia radiata

 Richmond, Indiana

 Rev J. Bennet, K.C. Kansas

390. Spirifier lineatus

 Up. Carboniferous, Gallatin Mo.

 Rev. J. Bennett, K.C. Kan.

391. Mialina Sivallour

 Rev. J. Bennett. K.C. Kan.

392. Naticopsis mama.

 Aug. 1889 Rev. J. Bennett, K, C. Kan

393. Orthis occidentalis

 Rev. J. Bennett. K.C. Kan

394. Orthis biforata

 Rev. J. Bennett. K.C. Kan

**75**

395Tetzia vera?

 Rev. J. Bennett. K.C. Kan.

396. Fevebratula bovidens

 Rev. J. Bennett K.C. Kan.

397. Psendomonotis

 Rev. J. Bennett K.C. Kan

398. Loxomuma?

 Rev. J. Bennett K.C. Kan

399. Productus Pratteniannus var. Comericanus

 Rev. J. Bennett K.C. Kan

400. Productus Prattenianus

 Rev. J. Bennett. K.C. kan.

401. Fistuliphora modulifera on Athyris

 Rev. J. Bennett K.C. Kan

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402. Orthoceras cirfiosum

 Rev J. Bennett K.C. Kan

403. Wood from limestone just above oblite.

 Rev J. Bennett K.C. Kan

404. Athyris subtilita.

 Rev. J Bennett. K.C. Kan

405. Productus costatus

 Rev. J. Bennett. K.C. Kan

406. Axophythum mudias

 Rev. J. Bennett. K.C. Kan.

407. Spirifiner prolomoro converse

 Found at Galalatin Ore

 Rev. J. Bennett. K.C. Kan

408. Edmondri.

 Rev. J. Bennett K.C. Kan

**77**

Phillipsin major

 Rev. J Bennett K.C. Kan

410. Leptaena sericea

 Richmond Ind

 Lower Silurian. Hudson River

 Rev. J Bennett K.C. Kan

411. Rhonaborora lepidoderdroidea

 Rev J. Bennett K.C. kan

412. Sitreptebasme cormuculum

 Lower Silurian Richmond Ind

 Rev. J. Bennet K.C. Kan

413. Pinna peracuta

 Above & below cohite

 Rev J. Bennett K.C Kan

414. Leptana alternata

 Lower Silurian Hudson R. group

 Richmond Ind

 Rev. J Bennett K.C. Kan

**78**

415 Rhymochonella capax.

 Lower Silhurian Hudson R. group

 Richmond Ind

 Rev J. Bennett. K.C. Kan

416. Rhychonella dentate

 Lower Silurian. Hudson R. group

 Richmond Ind

 Rev. J. Bennett. K.C. Kan

417. Polyphemopsis

 Rev. J. Bennett. K.C. Kan

418. Bellerophon

 Arpher Carbonfera

 Rev. J. Bennett K.C. Kan

419. Pygosphera anodesta

 Lower Silurian Hudson R. group

 Richmond Ind

 Rev. J. Bennett K.C. Kan

420. Grinorid stems

 Rev J. Bennett K.C. Kan

**79**

421. Monoptera g blosa

 Rev. J. Bennett Kansas City Kan

422. Strephtorhymcus crossus

 Ghonetes gromilifera

 Rev J. Bennett K.C. kan

423. Aronticulaphora gracilis

 Cheltes gracilbis

 Rev. J. Bennett K.C. Kan

424. Conularia crustula

 Found only in Kansas City

 Rev. J Bennett K.C. Kan

425. Chizotus whecleir

 Rev. J. Bennett K.C. Kan

426. Galenite

427 Galena, Kansas

428. Galenite

 Galena Kansas

**80**

429. D716 Dolormite. Galena, Kansas

 Servancy

430. zf715 Calcite. Joplin Mo

 Leo Frank.

431.

432. D44. Galenite. “Type Ore”

 Williford Shaft, Galena Kan

 By “Dan” Williford.

433. D715 Calcite. Galena, Kan

 By M. D.A. Swaney

434. D44 Galenite. Galena Kan.

235 By Edwin Noble

436. Phosphates. Clusholm Island, Can

437 From Phosphate Beds owned by Pacific Grans Co.

 Boston & Woods Holl. Mass

439. D715. Oolite Limestone

 Upper St. Louis Group

 Hardin Co. Ky,

 By C.F. Very, New H Clansy, Ind

**81**

440. Masmumuth

441. Part of lower jaw & tooth

 Found in May 1899 in clay on east side of Marias des Cygnes about 10 miles South Easst of Ottawa, in Franklin Co, Kansas contributed by Dr H.M. Bennett

M.Y. Lidikay

R.H. Harrison

John Rhodes

 Wellsville, Kan (May 1889 other portions found since but not yet secured for the museums shoulder. Blade found by W.P Estes

**82**

442. D830. Asphalturn. Native

 Kentucky

 Used in Asphalt pavements, abundant in parts of Kentucky.

 By C.F. Very, New Albany, Indiana

443. D715. Marble.

 Of marble used in building Washington Monument

 By E.E. Starkweather

 Clay Center, Kan, 1889.

444. Strombolus Striatus

 Upper Silurian, Niagra

 Louisville, Ky, 1889

 By C.F. Very. New Albany, Ind.

445. Jaw and Tusks

 Said to be from the so called “Mule Footed Hogs” kept by the Indians of Franklin & Osage in Kansas. 1889

 By Dr. A. R. Badley, Lawrence, Kan

446. Geode

 Crystals of Quartz

 Mrs. H.G. Higinbotham

 Clay Center, Kan.

**83**

447. Frilobites, Illinois

 Rev. O.W. VanOsdel, Ottawa, Kan

448. Galena Silver Ore, Leadville, Col

 Assays$2700 per ton

 From Freyer’s Hill

 By Geo. Walsh, Ottawa, Kan

449. Chloride of Silver Leadville Col

 From Quickey Mine

 Leadville

450. Copperhead, Farm, Crotolidae

 Sp. Aucistrodou contortinix

 When chloroformed it lit itself 5 times & died as shower with its fangs sunk into its body.

451. Prairie Rattlesnake or Marsasuaga.

 Candisonia catenata

 College Farm, Spring 1888.

452. Blowing Viper of Hoy Nose snake

453. Cohubruda sp. Heterodon platysphyrcus

 Both maleferualte, College Yard. June 1889.

454. Prairie Rattlesnake or Massarsaugua

 Candisonia caterata

 Amburn, Shawnee Co, Kan. 1888

 By Robt Baxter.

**84**

455. Glass or Joint Snake

456. F. Anguidae. Sp. Apheasaurus venturalie

 College yard- S.F. Harker and A.S. Kerfoot. Apr. 1887

 Rock CreekAl Allaway and W Miller- May 9, 1888.

458. Blue Racer

 F. ?????? Sp. Bascaninum ?????

 Vam. Hariventer. Ottawa, Kans, spring 1888

460. Alligator

 Alligator Mississippi

 May 24, 1891

461. Alligator

 Alligator Mississippiensis.

 Miss Mary Little, Seffner Fla. May 1888.

463. Centipede

464. Northern Skink

465. Tape Worm

466. Tenia, Trifolium

 Presented by Beeker Cowdery- 1886

**85**

467. Water Dog.

468. Necturuk maculates

 (Menobranchus maculates) Ottawa, Kans

 breathe by gills and lungs. Spring 1887

469. Portuguese Man of War

471. Common Squid

472. Woods Hall Mass

 O.C. Leharlton July 1889

473. Horned Toads

474. Phoynoeoma Cornutum

 New Stockton Ks C.O. Johnson. So. Kans. 1889, 1890

475. Lobster. Meat claws broken off

 Woods Hall Mass

 O.C. Leharlton. July 1889

476. Missouri Rattlesnake

 lerotalus leoufluentus

 A.W.W. Daly. Ottawa Ks 1887

477. Bull or Pine Snake

 Pilyophis Melanolencius

 A.W.W. Daly. Ottawa. Ks. 1887

478. Young Blue Racer

 Bascanium leonetrictor

 Var Flaviventure 1888

479. Blue Tailed Skink

480. Eurmeces, Fasciatus.

481. Ottawa Kansas 1888

482. Becker 1890

483.

**86**

484. Copperhead

 F. Ancistrodon. Sp. Leontovtrix

 Ottawa Kansas. Apr, 1888.

485. So called Tarantula of Indian Territory and so west

 F. Arachaida araneina

 Sp. Fycosa

S.H. Lucas and Blanche. Reineke.

 Ottawa, Kans. June, 1888

486 & 487. Scorpionidae Sp. Buthus Carolinianus

 College farm. April, 1889

488. Little Red Snakes.

489. Tropsdocloniium Lineatus

 Ottawa, Kansas

Spring. 1888.

492. F. Scorpsonidae Sp. Buthus Carolinianus

 College Farm.

493. Sea Robin or Win Fish

494. Prionotus palinipas.

Buzzards Bay, Mass

 O.C. Charlton.

495. Rattlesnake. Caidrisonia tergerniana

 Ottawa Ks, 1888

496. King Snake, Ophibolus dolratus.

 Ottawa, Kan, Spring 1887

**87**

497. Southern Sculpin

498. Cottus octodeciuspinosus

 Woods & Hall . Mass Aug. 1889.

 O.C. Charlton

499. 2 Flounders. American Plaice or Turlot F.

500. Paralychthys dentatus

 Woods Hall. Mass. Aug, 1889

 O.C. Charlton

501. 1 Rudder trim or log trim.

 Larus percifornuis

 Wodds Hall, Mass Aug. 1889. O.C. Charlton

502. Sea Robin. Prionotus palinipas

 Woods Hall, Mass. Aug. 1889

 O.C. Charlton

503. Skipper or Saury ?????????????

 Woods Hall, Mass. Aug, 1889

 O.C. Charlton

504 to 518. Sea Urchings. Arlacea puncutulata

 Woods Hall, Mass. Aug, 1889

 O.C. Charlton

519 Emory’s Racer. Coluber Emoryi

522. College Farm. Spring 1887.

520. Emory’s Racer. Coluber Emoryi

521. College Farm. Spring 1887

522.

**88**

523, 524, 525. Copperhead. Anirstrodoa Countortrix

 Ottawa, Kan

 Springs 1887-8

526. Rattlesnakes. Massassaugasor Prairie R’s.

527. Candisonia catenata

528. Shawnee Co. Ks, Summer 1887. Robert Baxeter.

529. Herring. Clupea hareugus.

548. “The Pool” U.S.F.C. Woods Hall, Mass

 Aug. 16, 1889 O.C. Charlton

549. Centipede Osage Co. Kan

 1886. C.W. Case

550 to 553. Kingfish or Sea Mink

 Menticurus mebulosus.

 U.S.T.C Seining Woods Hall, Mass. Aug. 16, 1889. O.. Charlton

554. Small Sea Robin. Prionotus palimipas

 U.S.T;C. Seining. Woods Hall, Mass Aug, 16, 1889. O.C. Charlton

555. Beach Flea. Orchestra Agilis

 Woods Hall, Mass. Aug 24, 1889. O.C. Charton

556. Common Squid. Lobig Peals

559. Pipe Fish.

 Woods Hall, Mass. Aug. 1889. O.C. Charlton

**89**

560. Lasuprey Eel,

 Caught by Paul Robinson below daru mi River, Ottawa, Ks April 19. 1889

561. Blue Taile skink.

 7th St Ford. Apri. 20, 1889.

562. Puffor or Swell Fish

 Woods Hall, Mass. Aug, 16, 1889. O.C. Charlton

563. Blowing Viper or Hog Nose Snake.

564. Heterodon platyshynus. Ottawa, Ks. Sep. 1889.

565. Garter Snake.

 Ottawa, Ks. Spring 1888, A.D. Wilcox

566. Garter Snake

569. Ottawa, Kan. 1888

568. Water Dog. Nerturus maculates

 Neosho River 1888, J>T. Crawford

570. Red or Corn Snake. Ophilolux ddoliatins

571. Var. Eximinus, (573) S.T. Holiombe

 Ottawa, Ks. Springs 1887-8

**90**

572. Green Snake, Cyclophus kermalis (De Key)

 Or Grass Snake

 Shawnee Co, 1888, Robert Baxter

573. Red or Corn Snake. Ophilobrus doliatus.

 Ottawa, Kan. May, 10, 1889. S.T. Holcombe.

574. Eumeces fasciitis. Blute Tailed Scink

575. “ “”

 Ottawa, Kan. Springs 1887-8.

576. Red Newt or Evet, Diemyctylus minimatus.

 Ottawa, Ks..

With 569, 577. Garter Snake

578. Pine or Bull Snake. Pityophis melanolencus

579. Earth Snake,

 Arlington?

580. Storeria Dekayi. Red bellie Snake.

581. Amy’s Ring-Necked Snake.

582, 583. Diadophlus Armyi, Ottawa, Ks. Spring 1888.

584. Bull or Pine Snake. Pityophis sayi (?)

 Apr. 25 & 26. 1890. Isaac Baxter

 Western Pine Snake (?)

585. With 566. Garter Snake.

**91**

586. Garter (?)Snakes.

587. Arlington Kan. Jully (20(?) 1888. O.C. Charlton

595. ?????? sexlineatus

 Six Lined Lizard. Arlington Ks. July, 1888

 O.C. Charlton

596. Unicorn Plant or Devil’s Claws.

 Martyuia juoboseidea (>)

 Arlington Kan, July 1888. O.C. Charlton

597. Red or Corn Snake. Oplibolus doliatus

With 570. Ottawa, kan. May 4, 1889. D.W. Peutz

598. Blowing Vipers. Young.

599. Ottawa Kan.

600. Lizardson scinks

601

602. Ottawa, Kan. May, 1, 1889. Geo, Miller

603. Pilot Snake, coluber obsoletus.

 Ottawa, Kan, 1888, O.C. Charlton

~~604.~~ After 766 (Exchanged). Army’s Ring Necked Snake, Diadophis Army’s

605

606. Ottawa Ks, 1887.

**92**

607. Young skunks. Mephilis mephitica

608. Fam Mustelidae

 Ottawa, Ks, May 4, 1890.

609. Dogday Cicada. Cicada tibicerm, Farm

 Ottawa, Kan, Sep. 1-10, 1888-89

610. Crawfish with young

& 613. Apr, 9. 1889.

611. Crawfish with new Forsyps growing.

 Apr, 23, 1889.

 Rock Creek, Ottawa, Kan.

612. Corydalus cormutus. (?) Male.

 Order Newrophea. Farm. Sialidae

 Ottawa, Ks June 16, 1890. Willard Bliss.

613. Crawfish with young.

With 610. 1889, Ottawa, Ks.

614. Crawfish

 Ottawa, Kan.

615. Praying Mantis

616. Vigilet Salander. Amblystoma >>>>>>

 Large Spotted Salamander.

 Farm Amblystormidae.

**93**

617. Common Tree Toad. Hyla nericolor.

618. Farm. Hylidae.

 Ottawa, Kan.

~~619. Eryllotalpa breviperusis.~~

 ~~Mole cricket~~

619. Mole cricket.

Grylloptera brevipeusis

 Dr. Orthoptua Acheta dal,

 Ottawa, Kan, Sep. 21, 1889, M.R. Holt

620. ~~Scoloporoysptops-sexspinosa~~

~~Myripsoda~~

Scoloporsyplops- sexspinosa

Myripoda-Chilopoda,

Ottawa, Kans. April 20, 1889. Dean Pentz.

621. American Toad, Bufo Lentiginosus.

 Ottawa, Kan.

622. Sand Dollar Lauteus, Echinuarachnius parma.

 Woods Holl, Mass, Aug, 1889. O.C. Charlton

623. Sand Dollars. Echinarachnus, parma

(50 specimens) U.S. Fish Commission Dredging l-y

Steamer Fish hawk, 18 fathoms

 Off Bay Head, Martha’s Vineyard

 Aug. 8, 1889.

**94**

624. Productus Nebrasennnis

-626. Kansas City, Kan

 June 1889, Rev John Bennett

628. Fusilina Cylindrica

 Carb Pol, Kansas City, Kan. Rev. John Bennett June 1889.

627. Myalina subquadrata

 Carb, Burlington, Ks

630. Wlmurt Moth, Lava.

 Ceretocampa regalis, O. Lepidoptera F Bombycidae

 Ottawa, Kan, 1888.

631. Alconisria subcuneata

 Carb, Kansas City, Ks. Rev. J. Bennett, June 1889.

632-6. Carmpoplylurn Torqsinns

 Kansas City Mo. June 1889. Rev, John Bennett

637. Corydalus cormutus

 O. Neroptera. F Sialidae,

 Ottawa, Ks. June 16, 1890, Willard Bliss

638. Sea Cucumber

50 or more. Pentacta Froridoso. Holothurian

 Wood’s Holl, Mass, Aug, 1889. O.C. Charlton

 Chiefly from West Hadley Harbor, Naushon.

639-40. Praying Mantis, Mantis cardinura

 O. Orthoptera. Fambulatoria.

 Ottawa, Kan, (?) x H.W. Robertson 639, 640

**95**

641. Hermit Crabs, Erapagimus lougicarps

 Ln x. Woods Holl, Mass, Aug, 1889. O.C. Charlton

642. Hermit Crabs removed from the shells.

 From Dredgrigs by U.S. F. C. Steamer

 “Fish Bank” off Bay Head Martha’s Vineyard, Aug 8, 1889. O.C. Charlton

643. Young Clams or Luabugs.

7 shells

 New Bedford Harbor Mass. July 22, 1889. O.C. Charlton

644. Hermit Crab. Eupagurus, lorgicorphus

 Woods Holl Mass. Aug 1889, O.C. Charlton.

645. Vertebrae of Barn Dorm Skate. Raid Levis.

 Woods Holl Mass. Aug. 1889, O.C. Charlton

646-7 Long Clams. Mya arenaria.

655 &656 Woods Holl, Mass. Aug, 1889, O.C.C.

648-649. See 471-2. Common Squids. Loligo Pealei

 Woods Holl Mass, Au, 1889. O.C.C.

650-1. Whelks, >>>>> mendatruar

 Woods Holl, Mass. Aug, 1889, O.C.C.

652-3. Common Skates, Raja erinacla

 Woods Holl Mass. Aug, 1889. O.C. Charlton

 From dredyoungs. U.S.F.C. Steamer Fish Hawk 18 off Bay Head.

**96**

654. Vertebrae of Barn Door Skate.

 Raia Levis.

 Woods Holl. Mass Aug, 1889. O.C.C.

~~655~~. 656. Exchanged. After 766. Long Clams See 646

657-8-9. Johan Crabs. Cancer borealis.

660-61-62. Green Crabs. Garcinus maenus.

662. Scallops. Pecten irradrans.

To 672. O

673-4 Quahaug or Little-wicked clam

 Venus mercenaria

 Woods Holl, Mass, ug 1889. O.C. Charlton

675-6. Blue Crabs. Calrineates hastalurs

 Woods Holl. Mass, Aug, 1889. O.C. Charlton

677-682. Crabs.

 Woods Holl, Mass. Aug, 1889. O.C. Charlton

683. Sand Dollars. Echinarhincus parma.

 Woods Holl, Mass. Aug, 1889. O.C. Charlton

684. Crepidulacomexa.

 New Bedford harbor, Mass

 July, 20 (>) 1889. O.C. Charlton

685. Lady Crab. Platyonichus orellatus

 Woods Holl, M. Aug, 1, 1889. O.C.C.

**97**

686-7. Spider Crabs. Libinria quagimata

 Woods Holl, Mass. Aug, 1889, O.C.C

Buzzards Bay near Long Neck.

~~688~~. Personal Retained. Strongylocentrotus Drobachienis

 Off Bay Head, Martha’s Vineyard.

 Near. U.S. F.C. Steamer. Fish-hawk

 Dredyings 18 fath.

 Aug. 8, 1889. O.C. Charlton

689. Starfishes & Large Sea Urchin

 U.S.F.C. Steamer Fish-hawk

 Dredging off Bay Head. Martha’s Vineyard, Mass Aug- 1889 O.C.C.

 18 f.

691. Gummer

692. Pilot Fish

693. Herring. Chupea harengus.

694. Mackerel. Scomber scorubrus.

 Woods Holl Mass. Aug, 1889. O.C.C.

695. Egg Capules of the Gasteropod Mollusk

 Sycotypus Canalisrelatus.

 Woods Holl, Mass, 89. O.C.Charlton

~~696~~. Personal retained. Egg Capsule of the Gasteropod Mollusk

 Fulgar Cariea.

 New Haven, Conn. O.C. Charlton

697. “ New England,

**98**

698. Fulgers Carica (Shell).

 Woods Holl, Mass, Aug. 1889. O.C. Charlton

699. Coral. Zapluentis-

700. From trench dug for water

701. piper in streets of Fredonia, Kansas. O.C. Charlton. 1888

702. Buffalo Skull.

 Kiowa, Co. Kan. 1889. A.S. Kerfoot.

703. No. 1. Coal.

 From Paola Oil Wells. 1899. J.N. Boiveourt

 By M.L. Ward

704. 12 Skulls of Lunatia heros.

705. Woods Holl, Mass. 1889.

(Lu 2 boxes)

706.

707. Bridgeport, Ill. A.R. Bodley, 1886.

708.

709. Orthis testudiuaria. Low. Silirian

-717. Cincinnati Ohio, Dr. A.R. Bodley

710. Merista mitida Upper Silurian. Dr. A.R. Bodley

**99**

711-15. Beetles from

 By Miss Jennie Sherman, Class of ‘88

 Missionar to India. July 10, 1890

716. corydalus cornutus.

 Pupa stage.

 July 18, 1890. C.L. Becker, Ottawa, Kan.

717. Hen Egg. Enclosing perfect egg of usual size. Second one laid by same Cedar Street hen. Somewhat broken when formed. July 1888. Miss Julia Walsh.

718. “Petrified” Moss.

 Moss incrusted with limestone deposit ffrom- spring seven miles someheart of Garnett.

 By Prof. Paige, Garnett, Kan. Spring not now supposed to be flowing. Specimen secured years ago.

719. ~~Hermit~~ Hose Shoe Crab or King Crab.

 Miss Kate Burnett, Newark, N.J.

**100**

720. Sea Urchin. With Spines Revived.

 Coast of California.

 1888 Mrs. H.E. Sillurian, Winfield Kan.

721. Sapping Turtle.

722. Chelydra serpentiana.

723. Ottawa, Kan. (721-22 1888-9). (723. July ’90)

724.

725

726

By Prof. J.C. Chilton. Denton, Texas.

727-9. Confederate Money

 By-

730. Ptrified Wood.

 Lower comb. New Albany, Ind. 1886. O.C.C.

731-3. Concretions. Resembling Turtles faintly

731-2. Ottawa, Ks. Ed Sheldon

733. Garnett Ks. M. Neville

734-5. “Forest” Rock.

 Montana. M. McMahon. O.K. 1887.

736. Forest Rock, Colorado

~~736~~ Mr. A.B. Wals, Ottawa, Ks. 1888

737. Sandstone, Colorado.

 Used in First Nat. Bank Building. Ottawa, Ks

**101**

738. “Oolite.” Loose Surface Rock. Garnett. Kan, 1889.

 By Prof. Page.

 Seemingly composed of

739. Silidified Wood. Colorado

 Portion of stumps weighing 1700 lb now. Owned by Chicago Academy Science. Dr. A.R. Bodley.

740. Aesop’s Fables.

 Very old edition. Date of printing not known 1887.

 Presented by Mrs. Harriet M. Browne

 Missionary to Japan (Sendai).

741. Trap Rock. New Have, Conn.

 1886. O.C. Charlton

742-3. Bark of- 1886

 Coal Mine Pennsylvania

 By Mrs. Wilson, Ottawa, Kan.

724-5. Buffalo Horns. Greely Co. Kan. 1888

 By G.W.W. Daly.

726. Natural Cluster of 25 cones. Connecticut

 Rev. O.W. Van Osdel. Ottawa, Kan

727. Sorghum Sugar

 From first lot made by diffusion process at Ottawa, Kan, Oct 1885. P

 By Prof. H.W. Wiley, Chemist in Chief

 U.S. Dept, Agriculture.

728-9. Plumes of “Pampas Grass”, California

 Miss Anna Holt, 1886.

730. Cone of-- California

 Miss Anna Holt, 1886

**102.**

731-2. “Palm Leaves.” California

 Miss Anna Holt, 1886.

733. Productus Symmetrieus. Ottawa ks?

 By Dr. A.R. Bodley, 1886

734. Stromotopora tuberculata (?) (See W’s G.S. P 321)

 Canbuian (?) Michigan

 Dr. A.R. Bodley

735-7. Flint Concretions. With chalky surface.

 From-- Prof. M.L. Ward.

738. Shells from India June 1890

 Miss Jennie Sherman. Class of ‘88

739. Gums from Africa. June 1889

 Shipped from the Gold Coast regularly being unimportant article commerce.

 John Nash Cambridge, Mass. June 1889

740. Ginger Root. From Africa, West Coast,

 John Nash, Cambridge Mass.

741. Shells from swan Island, West Indies

 John Connelly, Woods Holl Mass Aug, 1889

742. Quartz.

 By.

743. Resurrection Plant. Mexico, 1889, O.C.C

744. Formaline. Warwick, Mass.

 Wm. G. Steel, Lawrence Kan. Sep. 16, 1890.

**103**

745. Mica. Charter Co. Penn.

 W.M. G. Steele, Lawrence Ks. 9-16-90

746. Pearly Nautilus. Indian O. Sept. 1899

From Rev. W.R. Manley by John A. Frow.

747. Part of Elephant’s Tooth. Sept. 1899

 Rev. W.R. Manley

 Missionary to Telegus, India.

748. Shark’s Jaws Sept 1890

 Rev. W.R. Manley.

749. Cigars. India. Used by the Telegus. Sept. 1899

 By Rev. W.R. Manley

750. Part of Pilh Hat. India

 By Rev. W.R. Manley

751. Indigo. India “ “

752. Pod of-- “ “ “ “

753. Shell “ “

754. “ “

755. “ “

756. “ “ “

757. “ “

758. “ “

759. “ “

760. “ “

761. “ “

762. “ “

763. “ “

764. Scorpions. India

765. “ “

**104**

765. Hooded Cobra, India, Sep. 1899. Rev. W.R. Marley

 20000 deaths result yearly from their bites.

766. Healhen Idol.

 Guatama, the last incarnation of Buddha, or Guatama Buddh.

 This idol was actually worhipped by Buddhist’s in Mandelay Burmah.. Bought by a native Christian preacher, -- Yohan, in 1882-3 for Rev. W.R. Marley while at Ongole India. The material is Alabaster. It represents Guatama in the usual position of meditation.

 Buddhism is an offshoot of Hindooism, Presented by many contributors. Cos $10. Sept, 1899.

604. (Exchanged) 604 Slayfish. June 25, 1890

 Probably from Indian Ocean or West Indies.

 Miss Rachel Burnett, Newark N.J. given her by Mr. House, Missionary India

655. Calc Spar. Morris, Groundy Co. Ill.

 Dr. A. R. Bodley, Quenemo , Kan, 1886

1st exchanged

767. Rhinoceros Hide (Piece of). From Rhinocerosowned by Cooper Baily & Co’s 462. show about 1879. Died at Ottawa during exhibition of show. From outside hind leg folded part was about 1 ½ in. thick. Thinnest was ¾ in. thick. Has been expose3 years to the weather.

 Dr. H.B. Paramore. Ottawa, Ks.

**105.**

462. Jaw Tusks. Sad to be from the so-called “Mule Footed Hog” kept by the Indians of Franklin and Osage Counties.

 Dr. A.R. Bodley.

 Quenemo, Kansas

Note-mMr. Mosses Pooler, Pooler P.O. Indian Ty an Ottawa Indian has kept these hogs. They were brought to Franklin Co. by Creek Indians when they came as refugees ~~from~~during the Civil War. He states that they are still kept in the Creek Nation, also that the foot is like that of the mule. (March 1891)

768. Galenite

 Hyeroglyphics or Egyptian Orc, M.L. Bamm, (Dry Goods.) Galena Kan, had kept it 8 years.

769. Quartz, Berkshire Hills, Mass, O.C.C.

770. Fossil Fern. Burlington Junction Ottawa, Kan, carboniferous. H.G. Landis.

771. Calcile. Missouri

772. Steele, Wellsvill, May 1889

7

773. Smithsonite, Granby, Mo. 1888

 H.G. Tessmer, Pittsburg, Kansas.

**106**

774. Cactus Stem. Arizona (Perhaps). 1886

 Mrs. E. Underwood.

775. Silver Mica

 Formed in an ancient mound near Cleon Lake, Indiana with three skeletons by Dr. A.R.Bodley, 1882.

776. Slate Nodlule.

 From coal bank near Peoria Ill. W.K. McCall

777. Orthoceras Vertebrale.

 Laguealum.

 (Lower Silurian)

 Found near Ancona, Ill. In a well, 40 feet below the surface. W.K. McCall

778. Tree fern.

 Dr. A.R. Bodley

 Quenemo, Kan

779. Fern leaf.

 From stone use in building 1886 Ottawa University’s old building.

 Ms. Toy Jones