SCRAP BOOK

DEPARTMENT OF THE INTERIOR

1—961

photCL 311, Ser. 1 v. 1

Photograph album Series 1, Volume 1 (Box 1): Arizona, California, New Mexico, and Washington, 1904-1905.

Ralph Arnold Photograph and Map Collection

(photCL 311)

The Huntington Library
Email: reference@huntington.org

RALPH ARNOLD.

Photograph Book No. 1.

1- 6.	Washington,
7- 33.	Santa Cruz.
34,207.	River's Types.
35- 53.	Eagle Rock,
54- 70.	Washington, (C.W.Washburne)
71- 99.	Washington, (Landes).
100-104.	Arizona.
106-124.	Santa Cruz.
125-133b.	Monterey County.
134-151.	Paleontology,Coalinga-McKittrick field.
152-165.	San Luis Obispo County.
166-199.	Grand Canyon.
200-206.	Santa Monica Mountains.
208-219.	San Diego.
220-227.	Puente Hills Oil District.
228-235.	Los Angeles Oil District.

1. Lake Crescent, Clallam County, Wash., looking west on north side, near west end, showing fallen timber encroaching on the lake.

2. Lake Crescent, Clallam County, Wash., looking south from north shore, showing Olympic Mountains in the background.

3. Stillwater Creek, Lewis County, Wash. Fossiliferous Eocene marl in banks of creek at log dam, 1 mile west of Little Falls.

4. Cowlitz River, Lewis County, Wash. Fossiliferous Eocene shales in banks of river 2 miles east of Little Falls.

5. Mount Shasta, California, from So. Pac. R. R., near Oregon-California line.

6. A typical northwest Washington forest, Port Crescent--Lake Crescent road, Clallam County, Washington.

7. Alluvial fan at mouth of small ravine emptying into the Pomponio Creek valley, 1 mile above the ocean, San Mateo County, California.

8. A typical hill in the Purisima shale formation. Looking down Pomponio Creek, 1 mile from the ocean, San Mateo County, California.

9. A reverse fault in the Purisima (Pliocene) sandstone, 1 mile north of the mouth of San Gregorio Creek, San Mateo County, California.

10. Weathering of Purisima (Pliocene) sandstone in sea-cliff 1 mile north of the mouth of San Gregorio Creek, San Mateo County, California.

11. Sand dunes at Point Franklin, San Mateo County, California, looking southwest toward the ocean.

12. Monoclinal structure in Oligocene-Miocene shales just north of the mouth of Waddell Creek, Santa Cruz County, California, looking south.

13. Looking up the 1st tributary south of Baldwin Creek from the top of the first terrace, showing young V-shaped canyon; Santa Cruz County, California.

14. Looking down the 1st tributary south of Baldwin Creek from the top of the first terrace, showing lagoon at mouth of a sunken valley; Santa Cruz County, California.

15. Looking up Medder Creek, from 1st terrace, showing 2nd and 3rd terraces; Santa Cruz County, California.

16. Natural bridge in Miocene shales, 1/2 mile north of the mouth of Medder Creek, Santa Cruz County, California.

17. Looking east from top of 1st terrace, just south of Baldwin Creek, showing sea terraces, Santa Cruz County, California.

18. Looking down toward the mouth of Baldwin Creek, showing sunken valley, Santa Cruz County, Cal.

19. V-shaped valley in 2nd terrace or 200-foot terrace, looking north, 7 miles west of Santa Cruz, California.

20. Looking up Baldwin Creek from top of 1st terrace, showing slightly filled valley, Santa Cruz County, California.

21. Burning forest fire on Ben Lomond Mountain, looking west from Scott Valley, Santa Cruz County, California, Sept. 7, 5 P. M.

23. "Buttes" in Purisima formation, north end of Scott Valley, Santa Cruz County, California, looking northwest.

24. Looking south down Bean Creek from Scott Valley -- Glenwood road. A typical valley in the central Santa Cruz Range, Santa Cruz County, California.

25. Monterey shale in bank of Newell Creek, 2 miles above its mouth. Santa Cruz County, California.

25a.---Santa Cruz Quadrangle, Santa Cruz County, California. View of the "Ruins" on D. M. Locke's place 6 miles north of Santa Cruz. Concretionary structure in sandstone formed by mineral laden percolating waters passing upward through holes. Copied from stereopticon loaned by Mr. Locke.

26. Natural riffles in Monterey shale, Newell Creek, 2 miles above its mouth, Santa Cruz County, California.

27. Fault in Miocene beds, east side of San Lorenzo River, between Felton and Ben Lomond, Santa Cruz California, looking southeast.

28. Natural riffles in Monterey shale, Newell Creek, 2 miles above its mouth, Santa Cruz County, California.

29. Purisima sandstone ridges east of Newell Creek, looking east from Newell Creek road, Santa Cruz County, California.

31. Aerial weathering of Cholame sandstone, Wartham Creek, near Colwell ranch, Fresno County, California.

32. Nonconformity between Monterey (?) shale and Santa Margarita sandstone, Arroyo Seco, 15 miles southwest of Soledad, Monterey County, California.

33. Gradation shale and sandstone beds at top of Monterey shale formation, Arroyo Seco Canyon, 12 miles southwest of Soledad, Monterey County, Cal.

34. Beginning at left, top row 1 and 2, Chrysodomus griceus Dall
" " " lower row 3, " "
" " " " " 2, " merriami Rivers
" " " " " 3 and 4, " aphelus Dall

No. 35.--Dome structure in conglomerate, west end of Eagle Rock Valley, Los Angeles County, California. 1904.

No. 36.--Small "dome" (weathered conglomerate), west end Eagle Rock Valley, Los Angeles County, California, looking NW. 1904.

No. 37.--Same as No. 36, looking southwest.

No. 38.--Eagle Rock from the west, Eagle Rock Valley, Los Angeles County, California. 1904.

No. 39.--Eagle Rock from the north, Eagle Rock Valley, Los Angeles County, California. 1904.

Eagle Rock, view from the west. California.

Eagle Rock, view from the west. California.

Eagle Rock, view from the west. California.

Eagle Rock, view from the west. California.

54. Peneplain in Olympics looking down Soleduc River from northwest spur of Mount Fitzgerald. Chester Washburne, 1904.

55. Mountain north of Mount Fitzgerald, looking across head of Soleduc River, Clallam Co., Wash. Chester Washburne, 1904.

56. Vertical joints in Soleduc sandstone, Soleduc River, south of Crescent Lake, Clallam Co., Wash. Chester Washburne, /904.

60. Mountains on eastern end of Lake Crescent, from boat on south arm of lake, Clallam Co.,Wash. Chester Washburne, 1904.

61. Port Crescent, Clallam Co., Wash., looking northeast from top of terrace back of port. Chester Washburne, 1904.

64. Detail of sandstone dike, showing ramification of branches, in Miocene shale, 3/4 mile east of Twin Rivers, Clallam Co., Wash. Chester Washburne, 1904.

63. Sandstone dike in in Miocene shale, 3/4 mile east of Twin Rivers, Clallam Co.,Wash. Chester Washburne, 1904.

62. Sandstone dikes in the Miocene shale, 3/4 mile east of Twin Rivers, Clallam Co.,Wash. Chester Washburne, /904.

65. Slip Point and mouth of Pysht River, looking west from Twin Rivers schoolhouse, Clallam Co.,Wash.Chester Washburne, 1904.

68. Deserted cabin on shore of Straits of Fuca, near Gettysburg, Clallam Co., Wash. Chester Washburne, 1904.

66. Hill at Slip Point, and low drift-covered groung back of it; moss-covered shale in foregroung; Port Crescent, Clallam Co., Wash. Chester Washburne, 1904.

67. Small overthrust in shale,(Miocene), 3/4 mile west of Gettysburg, Clallam Co., Wash. Chester Washburne, 1904.

69. 250-foot cliffs of Miocene(?) basal conglomerate, view looking east from Gettysburg, Clallam Co., Wash. C. Washburne, 1904.

70. View of Olympic Mountains, from Port Townsend, Jefferson Co., Wash. Chester Washburne, 1904.

100 View looking southeast on Santa Fe Railroad, east of Las Vegas, N. M., showing horizontal Carboniferous (?) beds. 5-17-05, 2 P.M., 32 R.F., 1/3 sec. partly cloudy.

101 Looking southwest from Chapelle, N. M. at Starvation Butte. 5-17-05, 4 P.M., 32 R.F., 1 sec., cloudy.

102 Looking east from Ribera, N. M., showing horizontal Carboniferous (?) escarpment.
5-17-05, 5.15 P.M., 32 R.F., 1 sec., cloudy.

103 Looking northeast from Angell, Ariz., showing characteristic vegetation of desert region in that vicinity.
5-18-05, 10.30 A.M., 32 R.F., 1/2 sec.

104 San Francisco mountains looking north from Flagstaff, Ariz.
5-18-05, 11.30 A.M., 64 R.F., 2/3 sec.

105

106.--Nonconformity between Cretaceous and Oligocene (?) on coast ½ mile south of mouth of Pescadero Creek, San Mateo County, California. 5-28-05. Hazy.

107.--Sandstone dike filled with brecciated sandstone, ½ mile south of Pescadero Creek, San Mateo County, California. Hazy; 5-28-05.

108.--Joints in sandstone filled with infiltering sand from above; ½ mile south of mouth of Pescadero Creek, San Mateo County, California. Hazy; 5-28-05.

109.--Thin-bedded sandstone in Pescadero series, 2½ miles north of Pigeon Point, San Mateo County, California. Partly hazy. 5-29-05.

110.--Conglomerate Point; 2¼ miles north of Pigeon Point, San Mateo County, California. Partially hazy; 5-29-05.

111.--Honeycomb weathering in Cretaceous sandstone, 2 miles north of Piegon Point, San Mateo County, California. 5-29-05.

112.—Piggon Point light station, San Mateo County, California, looking northwest, showing conglomerate promontory. Hazy. 5-30-05.

113.--Cliffs "drowned" by drifting sand, ½ mile east of Point Ano Nuevo, San Mateo County, California, looking east. 5-30-05.

114.--Fossiliferous Pleistocene resting on tilted Pliocene and Cretaceous (?) shales, ½ mile east of Point Ano Nuevo, San Mateo County, California, looking north. 5-30-05.

115.--Indian kitchen-midden in amphitheatre of drifting sand, ¼ mile east of Point Ano Nuevo, San Mateo County, California, looking east. 5-30-05.

116.--Terrace structure in leeward side of sand dunes, looking southwest. Point Ano Nuevo, San Mateo County, California. 5-30-05.

117.--Looking east from top of bluff 1 mile east of Point Ano Nuevo, San Mateo County, California, showing "Purisima rock" (Pliocene) in foreground, and Merced (upper Pliocene) bluffs in background. 5-30-05.

118.--Looking southeast across the mouth of Waddell Creek, Santa Cruz County, California, showing sand dunes"climbing" up terrace. 5-31-05.

119.--Looking west toward mouth of Scott Creek, Santa Cruz County, California, showing sunken valley. 5-31-05.

120.--Looking southwest along east side of San Vicente Creek, Santa Cruz County, California, showing small ravine on left which has been "robbed" by San Vicente Creek. Note waterfall of small stream in central foreground. 5-31-05.

121.--View looking east to south from front yard of M. H. Miller's place, Skyland, Santa Cruz County, California. A typical view down the southwestern slope of Santa Cruz Mountains. Ben Lomond Mountain (flat skyline) on extreme right. Partly cloudy. 6-3-05. In panorama with 122 and 123.

123.--Same as 121 and 122, with which it is in panorama.

122

122.--Same as 121 and 123, with which it his in panorama.

124.--San Miguel Mission, looking northwest, San Miguel, California. 6-7-05.

125 Nonconformity between Monterey (Miocene) shale and Paso Robles ? (Pliocene) sandstone. 5 miles north of Pleyto, Monterey Co., Cal., on Pleyto-Jolon road.
6-9-05, 5 P.M., 64 R.F., $1^1/_3$ sec.

126)
127) Panorama. Monterey (Miocene) shale exposed on southwest side of San Antonio Creek, 3 miles north of Pleyto, Monterey Co., Cal., on Pleyto-Jolon road.
6-9-05, 5.30 P.M., 64 R.F., 2 sec.

No. 127.---See No. 126, with which this view is in panorama.

128 Vaquero (lower Miocene) sandstone in foreground, dipping away under Monterey (middle Miocene) shale on top of bluff, looking east. San Antonio Creek - Mission Creek road, 2 miles east of former creek, 6 miles north of Jolon, Monterey Co., Cal. 6-10-05, 2 P.M., 64 R.F., 2/3 sec.

129 San Antonio mission, looking north. 5 miles northwest of Jolon, Monterey Co.,Cal. 6-10-05, 9 A.M., 64 R.F., 1 sec.

130 Monterey (middle Miocene) shale, southwest side San Antonio Creek, 7 miles northwest of Jolon, Monterey Co., Cal. 6-10-05, 10 A.M., 64 R.F., 2/3 sec.

131 Typical view in San Antonio valley, showing stream terrace and black oak trees. North of Pleyto, looking southeast. 6-12-05, 9 A.M., 64 R.F., 1 sec.

132 View across Lynch Canyon and San Antonio Valley, north from ridge above Bee Rock schoolhouse, showing topography in Monterey (middle Miocene) shale. Near Lynch P.O., San Luis Obispo Co., Cal. 6-13-05, 10 A.M., 64 R.F., 2/3 sec.

133 Looking west from same point as #132, showing topography in Vaquero (lower Miocene) sandstone.
6-13-05, 10 A.M., 64 R.F., 2/3 sec.

133a View southwest across Nacimiento Creek, 8 miles northwest of San Miguel, Cal., showing contorted Monterey (middle Miocene) shale, floor of first stream terrace, and bed of stream. 6-15-05, 12 M., 64 R.F., 2/3 sec.

133b View northwest across Nacimiento Creek, 8 miles northwest of San Miguel, Cal., showing river terraces. 6-15-05, 12.30 P.M., 64 R.F., 2/3 sec.

134 View of San Joaquin valley and hilly country southwest of Coalinga, Fresno Co., Cal., from Wartham Creek - Stone Canyon road. 6-18-05, 2.30 P.M., 64 R.F., $1^1/3$ sec.

135 View northwest up Wartham Creek from Wartham Creek - Stone Canyon road, showing Santa Margarita (upper Miocene) shale monocline in middle distance.
6-18-05, 2.30 P.M., 64 R.F., 3/4 sec.

136 Looking southeast along Cretaceous-Cholame (lower Pliocene) fault (?) scarp, from northwest of Wartham Creek - Coalinga road. 6-21-05, 10.30 , 64 R.F., 1 sec.

136a Looking north from San Joaquin coal mine, 3 miles west of Coalinga, Fresno Co., Cal., at burning oil well and derrick. 6-25-05, 7 P.M., 32 R.F., 6 sec.

137 Looking west from large hill in front of H. Kreyenhagen's ranch house, Fresno Co., Cal., showing parallel Neocene ridges. 7-6-05, 6 A.M., 64 R.F., 3 sec.

138 Same as # 137, except looking southwest.

139 Same as # 137, except looking south.

140 Echinarachinus ~~Ashley~~ gibbei in gravel layers, K. W. Jones' place, 21 miles east of Coalinga, in Kings Co., Cal. 7-6-05, 9 A.M., 256, 7 sec.

141 Looking down Avenal Creek, Kings Co., Cal., from ridge 3 miles west of Avenal ranch house, showing shale monocline and Pliocene sandstone hills on left. 7-7-05, 9 A.M., 64 R.F., 2 sec.

142 Shale (on left) - serpentine (on right) contact, Avenal Creek, 4 miles west of Avenal ranch house, Kings Co. Cal., looking east. 7-7-05, 11 A.M., 64 R.F., 1 sec.

143 Looking north into Devils Den, Kern Co., Cal., showing dissected Cretaceous shale. 7-8-05, 3 P.M., 64 R.F., $1^1/2$ sec.

144 Looking west from hill in front of Barton's house, Kern Co., 7 miles east of Dudley, Kings Co., showing Monterey Co. shale synclinal hill on left. 7-11-05, 6 A.M., 64 R.F. 6 sec.

145)
146) Panorama from hill in front of Barton's house, Kern Co., 7 miles east of Dudley, Kings Co., Cal., looking northeast and east toward San Joaquin valley. 7-11-05, 6 A.M., 64 R.F., 6 sec.

No. 146.---See No. 145, with which this view is in panorama.

147 Indian hieroglyphics in wind-formed cave, Canaries Spring, 12 miles west of McKittrick, Kern Co., Cal. 7-12-05, 2 P.M., 256, 7 sec.

148 View looking east from top of "hieroglyphic rock," Canaries Spring, 12 miles west of McKittrick, Kern Co., Cal., showing nodular Eocene (?) sandstone crags. 7-12-05, 3 P.M., 64 R.F., 1 sec.

149. View of "hieroglyphic rock" from the south, Canaries Springs, Kern County, Cal. 7 - 12 - 05, 3 P.M.; 64 R.F.; 1 sec.

150. Dry soda lake, as viewed from Santiago Spring, Carriza plains, San Luis Obispo County, Cal. 7 - 18 - 05, 1 P.M.; 64 R.F.; 1 sec.

151. Looking north across San Juan River valley at Santa Margarita (upper Miocene bluffs) from Temblor-La Panza road at crossing of San Juan River, 3 miles north of La Panza, San Luis Obispo County, Cal. 7 - 19 - 05, 6:30 P.M.; 64; 4 sec.

152. Looking north down San Juan River valley (lower Miocene hills in background) from point 3 miles north of Rogers place (3 miles below Carriza ranch house), San Luis Obispo County, Cal. 7 - 20 - 05, 4 P.M.; 64 R.F.; 1 sec.

153. Looking north down San Juan River, showing new terrace; from point 6 miles east of La Panza, San Luis Obispo County, Cal. 7 - 20 - 05, 5 P.M.; 64 R.F.; 2 sec.

154.
155.
156.

Panoramic from "Oyster rock", 1 mile below Hasbrook's (Music P. O.), San Luis Obispo County, Cal., looking N.E., S.E. and S., showing forest covered Santa Margarita (upper Miocene) sandstones, typical of the western slopes of the southern Santa Lucia range. 7 - 23 - 05, 10 A.M.; 64 R.F.; 1 sec.

156

157. Looking south at base of Monterey shale at mouth of McGovern's canyon, south side of Antelope valley, Kern County, Cal. 7 - 31 - 05, 4:30 P.M.; 64 R.F.; 1 1/2 sec.

158. } Panorama from top of Miller Bros. grade, south side of Antelope valley, **Kern County**, Cal., **looking north** toward Dudley, and Point of Rocks (extreme right),
159. } showing characteristic topography of western part of San Juaquin valley and eastern slopes of Mt. Diablo range. 8 - 1 - 05, 6 P.M.; 64 R.F.; 1 1/2 sec.

159

160.
161. } Panorama looking north toward San Juan River, from hill immediately north of Cammatta ranch house, San Luis Obispo County, Cal., showing dissected plain and characteristic topography and vegetation of central Mount Diablo range. (Compare with 154 - 156 and 158 - 159.) 8 - 2 - 05, 6:30 P.M.; 64 R.F.; 4 sec.

161

162. Pecten estrellanus bed exposed in top of small cave and side of cliff, bend of Nacimiento River, 11 miles west of San Miguel, San Luis Obispo County, Cal. 8 - 7 - 05, 12:10 P.M.; 128; 4 sec.

163. Slab of Astrodopsis ~~tumidus~~ antisella Rimond X 1/2, from outcrop in Nacimiento River bed, 12 miles west of San Miguel, San Luis Obispo County, Cal. 8 - 7 - 05, 4 P.M.; 64; 4 sec.

164. Nonconformity between Santa Margarita (upper Miocene) sandstone and underlying (not visible in detritus) Monterey (middle Miocene) shale, looking east across Nacimiento River, 12 miles west of San Miguel, San Luis Obispo County, Cal. 8 - 7 - 05, 6 P.M.; 64; 5 sec.

165. Morro rock looking south from beach 3 miles south of Cayucos, San Luis Obispo County, Cal. 8 - 9 - 05, 12:10 P.M.; 64, 1/25 sec.

166. Pine forest on plateau between Grand Canyon and Grand View, Arizona. 8 - 28 - 05, 12:10 P.M.; 64; 1 sec.; cloudy.

167. Pine forest on plateau between Grand Canyon and Grand View, Arizona. 8 - 28 - 05, 12:20 P.M.; 64; 1 sec.; cloudy.

168. View looking north from rim of Grand Canyon, Arizona, from near Grand View Hotel. 8 - 28 - 05, 3 P.M.; 64; R.F.; 2 sec., cloudy.

169. Looking north from rim of Grand Canyon, Arizona, from near Grand View Hotel. 8 - 28 - 05, 3 P.M.; 64 R. F.; 2 sec., cloudy.

180. } Panorama of upper Grand Canyon at big bend, taken from
181. } near Grand View Hotel. 8 - 28 - 05, 3:30 P.M.;
128 R.F.; 2 sec., cloudy.

182. View looking up Colorado River, from foot of Bright Angel trail. 8 - 29 - 05, 12:10 P.M.; 64 R.F.; 1 sec.

183. Waterworn limestone bowlder in bed of Colorado River - rests on schist and granite dike contact - foot of Bright Angel trail. 8 - 29 - 05, 1 P.M.; 256; 1 sec.

Solid elephant under

184. View of rapids, looking down Colorado River from foot of Bright Angel trail, Grand Canyon, Arizona. 8 - 29 - 05, 1 P.M.; 64 R.F.; 1 sec.

185. View of Bright Angel canyon from camp on Bright Angel trail, Grand Canyon, Arizona. 8 - 29 - 05, 4 P.M.; 64 R.F.; 1 sec.

186 to 190. Panorama from O'Neils point, south rim of Grand Canyon, beginning on left with rim east of El Tovar hotel and extending around nearly 180° to Bright Angel canyon. 8 - 30 - 05, 9 A.M.; 64 R.F.; 1 sec.

187.

188

189

190

191. View of Bright Angel canyon from O'Neils point, showing rim of canyon in foreground. 8 - 30 - 05, 10 A.M.; 256 R.F.; 3 sec.

192. View of Vishnu Temple and south rim of Grand Canyon, from O'Neils point. 8 - 30 - 05, 10:45 A.M.; 256 R.F.; 2 sec.

193.
194. } Panorama from in front of El Tovar hotel, Grand Canyon, Arizona. 8 - 30 - 05, 2:30 P.M.; 256 R.F.; 2 sec.

194

195. View from Bright Angel trail looking up Bright Angel canyon. 8 - 30 - 05, 3:30 P.M.; 256 R.F.; 2 sec.

196. Cross bedding in "white wall" sandstone, viewed from Bright Angel trail, looking east along south side of canyon. 8 - 30 - 05, 3:50 P.M.; 64 R.F.; 1 1/2 sec.

197. View from Bright Angel trail 1500 feet below rim of canyon, looking up Bright Angel canyon. 8 - 30 - 05, 5 P.M., 256 R.F.; 5 sec.

198 - 199

~~198~~ 199. Panorama from 100 feet below rim on Bright Angel trail, looking north over Grand Canyon. 8 - 30 - 05, 5:30 P.M.; 256 R.F.; 6 sec.

No. 200. Natural arch, showing Eocene(?) conglomerate on coast 4 miles north of Santa Monica, Cal. 9 - 7 - 05, 9 A.M., 64 R.F., 1 1/2 sec. (rather hazy).

No. 201. Unconformity between Sespe (Eocene) sandstone below and Modelo (Miocene) sandstone above. Topanga Canyon, 4 miles from mouth, Santa Monica Mountains, Los Angeles Co., Cal. 9 - 8 - 05, 4 P.M., 64 R.F., 3 sec., bright.

No. 202. Looking up Topanga Canyon, from 3 miles above mouth, showing Cretaceous(?) conglomerate on right and Modelo (Miocene) sandstone in distance. 9 - 8 - 05, 4:30 P.M. 64 R.F., 4 sec., bright.

No. 203. Near view of fossiliferous beds (pliocene), Temescal Canyon, Santa Monica Mountains, Los Angeles Co., Cal. 9 - 9 - 05, 12 M., 256 R. F., 4 sec.

No. 204. } Panorama. View of fossiliferous beds (Pliocene), looking north. Temescal Canyon, Santa Monica Mountains, Los Angeles Co., Cal. 9 - 9 - 05, 3 P.M., 64 R.F., 2 sec.
" 205. }

204

205

No. 206. View of unconformity between Miocene shales and Pliocene sandstone (fossiliferous), Temescal Canyon, Santa Monica Mountains, Los Angeles Co., Cal. 9 - 9 - 05, 3:30 P.M., 64 R.F., 2 sec.

No. 207. Type of Chrysodomus arnoldi Rivera; Pteropods from the Pliocene, Santa Monica Canyon, Los Angeles Co., Cal. 9 - 9 - 05, 5:15 P.M., 256, 5 min., 45 sec.

No. 208. Front view of ruins of San Diego mission, San Diego Co., Cal. 9 - 15 - 05, 5 P.M., 256 R.F., 4 sec.

Recd from Mrs. J.P. Smith 9/23
Asking to return

No. 209. Unconformity between Pliocene and Pleistocene, looking north along bluff at Pacific Beach, 10 miles north of San Diego, Cal. 9 - 19 - 05, 1 P.M., 64 R.F., 2 sec. (cloudy).

No. 210.
No. 211. Unconformity between Eocene (on left), and Pliocene (on right) and Pleistocene (over both others), looking toward north end of Pacific Beach, near San Diego, Cal. 9 - 19 - 05, 4 P.M., 64 R.F., 3 sec. (cloudy).

No. 212. Eocene conglomerate and shale, looking northeast, 2 1/2 miles north of La Jolla, San Diego Co., Cal. 9 - 19 - 05, 5 P.M., 64 R.F., 4 sec. (cloudy).

No. 213. Caverns in Eocene sandstone, looking southwest, near La Jolla, San Diego Co., Cal. 9 - 20 - 05, 3:00 P.M., 64 R.F., 3 sec. (hazy).

No. 214. Caverns in Eocene sandstone, looking east, near La Jolla, San Diego Co., Cal. 9 - 20 - 05, 3:15 P.M., 64 R.F., 3 sec. (hazy).

No. 215. "Alligator head" and Univ. of Calif. biological lab., looking southwest, near La Jolla, San Diego Co., Cal. 9 - 20 - 05, 3:30 P.M., 64 R.F., 2 sec. (hazy).

216. Eocene sandstone on coast, looking north from "Witches' Cauldron", La Jolla, San Diego Co., Cal. 9-24-05, 8:50 a.m., 64 R.F., 2 sec.

217. Cathedral rock, Eocene sandstone, La Jolla, San Diego Co., Cal. 9-24-05, 8:00 a.m., 32 R.F., 1/25 sec.

218. Same as 217.

219. Caves in Eocene sandstone North La Jolla, San Diego Co., Cal., looking south. 9-24-05, 8:30 a.m., 64 R.F., 1 sec.

220 Vertical sandstone beds at Home Oil Co. well #11, Whittier oil district, Los Angeles Co., Cal. 11-11-05, 9:30 a.m., 64 R.F., 3 sec.

221. Pumping plant, Home Oil Co., looking south. Whittier oil oil district, Los Angeles Co., Cal. 11-11-05, 9:45 a.m., 64 R.F., 1 sec.

222. Central Oil Co. (left); Murphy Oil Co. (right) wells along property line looking east. Whittier oil district, Los Angeles Co., Cal. 11-11-05, 10:30 a.m., 64 R.F., 1 sec.

223. La Brea Canyon oil district, looking east from ridge west of mouth of canyon. 11-11-05, 3 p.m., 64 R.F., 2 sec.

224-225. Panorama. Olinda oil district, looking southeast from hill west of Columbia lease No. 1. Santa Ana Mountains in distance. 11-11-05, 4:30 p.m., 64 R.F., 2 sec.

225

226-227. Panorama, Puente Hills from La Brea Canyon--Whittier road 2 miles west of mouth of La Brea Canyon, looking north. Puente Oil Company's wells on left, La Brea Canyon Oil Company's wells on right. 11-11-05, 4:45 p.m., 64 R.F., 5 sec.

227

228. Hard concretions in Miocene sandstone (oil sand), southwest side of Sunset Boulevard, 3/4 mile N.W. of Echo Lake, Los Angeles, Cal. 12-1-05, 8:50 a.m., 64 R.F., 2 sec.

229. Thick bedded sandstone with occasional thin shale layers, Miocene, 100 yards north of Buena Vista Street bridge on west side of Los Angeles River, Los Angeles, Cal. 12-1-05, 10 a.m., 64 R.F., 2 sec.

230. Looking southwest across eastern end of Los Angeles oil field from hill west of Buena Vista Street. 12-1-05, 10:30 a.m., 64 R.F., 2 sec.

231-232-233. Panorama of central Los Angeles oil field from top of tank, northwest of corner 1st Street & Lake Shore Avenue, looking north, northeast, and east. 12-1-05, 256 R.F., 5 sec.

232

233

234-235. Panorama of thin to medium bedded sandstone (oil bearing) looking northwest on Bellevue Avenue, north of Victor Street, Los Angeles, Cal. 12-1-05, 11:30 a.m., 64 R.F., 1 1/2 sec.

235