



PLATE I.—VIEW LOOKING NORTHEASTWARD ACROSS DRIPPING SPRING VALLEY TO THE MESCAL RANGE.

Shows intricately dissected valley fill of Gila conglomerate.

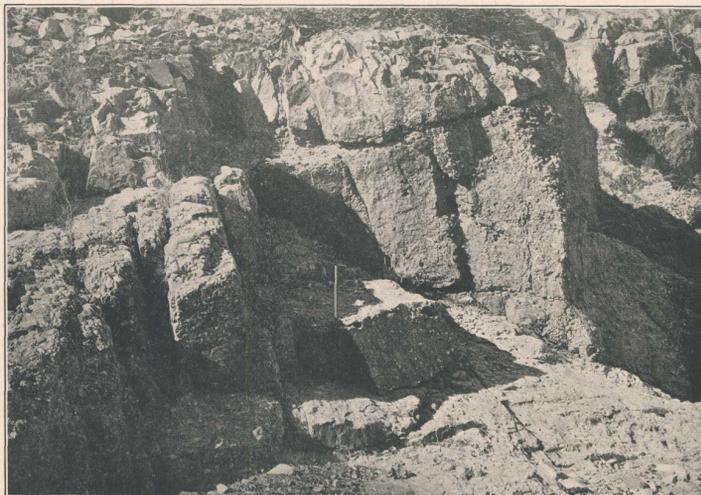


PLATE II.—BARNES CONGLOMERATE ON EL CAPITAN CREEK, MESCAL RANGE.



PLATE III.—VIEW LOOKING NORTHWESTWARD TOWARD PIONEER CREEK, MESCAL RANGE, SHOWING DIP SLOPE ON DRIPPING SPRING QUARTZITE TO RIGHT.



PLATE IV.—TYPICAL HILLSIDE EXPOSURE OF THE CHERTY MESCAL LIMESTONE IN THE DRIPPING SPRING RANGE, 2 MILES SOUTH OF DRIPPING SPRING RANCH.

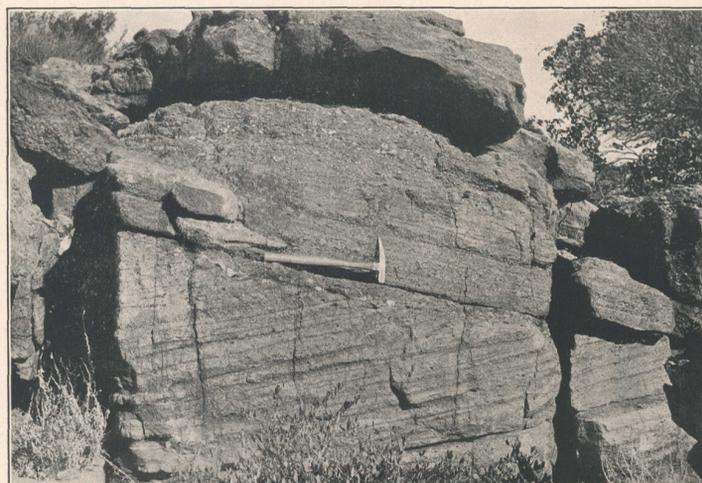


PLATE V.—CROSS-BEDDED PEBBLY TROY QUARTZITE, DRIPPING SPRING RANGE.



PLATE VI.—TYPICAL HILLSIDE EXPOSURE OF THE DEVONIAN ON EL CAPITAN CREEK, MESCAL RANGE. The Devonian limestone forms the smooth slope between the bluff of Troy quartzite in the middle ground and the cliffs of Tornado limestone above.



PLATE VII.—TYPICAL EXPOSURE OF THE GILA CONGLOMERATE, SHOWING CHARACTERISTIC EROSION. About 2½ miles east-southeast of Dripping Spring Ranch.

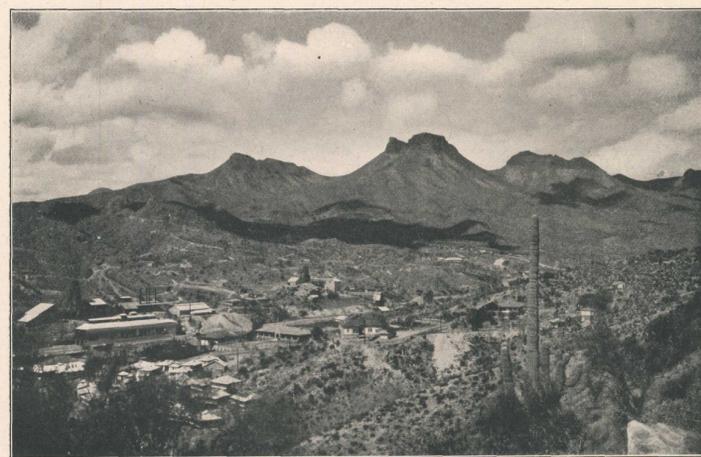


PLATE VIII.—GENERAL VIEW OF THE RAY DISTRICT LOOKING NORTHWESTWARD FROM THE EAST SIDE OF MINERAL CREEK.

On the left, across the creek, is the No. 1 mine of the Ray Consolidated Copper Co. To the right are the head frame, crusher house, and ore bin of the No. 2 mine, and still farther to the right, nearly in line with the tall cactus, are the corresponding structures of the No. 3 mine. The prominent peak near the middle of the view is Teapot Mountain. The lighter-colored, indistinctly stratified rock under the dark dacite capping the mountain is the Whitetail conglomerate.