SOME UNUSUAL SOILS THAT OCCUR IN OREGON.¹

M. M. McCool,

EXPERIMENT STATION, EAST LANSING, MICH.

At the head waters of the Des Chutes, Umpqua and Willamette rivers in Central Oregon lies what is probably the greatest pumice deposit in the world. (Pumice is herein taken to mean a glassy form of very vesicular lava.) It probably reaches its greatest thickness in the region of Beaver marsh, which lies some thirty miles south of the town of Crescent. At this point it is known to be sixty or more feet in depth. This deposit spreads over a vast area like a huge blanket. It becomes thinner as the borders are reached, gradually blending into the so-called eastern Oregon silts and fine sandy loams. The boundaries have not been accurately located, but in general, this formation occupies the area between Crater lake and Fort Klamath, the Three

¹ Contribution from the Oregon Experiment Station, Corvallis, Oregon.