

three successive terminal moraines. It appears to me that there is solid layer of ice beneath the rocks which are now covering the canyon floor, a remnant of the Pleistocene. Only about 4 small patches of surface snows & ice remain, exposed. 8 Clark's Crows were feeding among rocks in cirque but I could not determine just what they were picking up as I could not find any significant numbers of insects. ~~up~~ There is a congregation of about 30 Clark's Nutcrackers in the cirques of Timp - they were constantly in view, either feeding among rocks or flying in small groups about the cirques. No boulders noted in action but, considerable new slide activity at head of canyon. The last 300 feet of climb to divide most difficult of trip. Arrived at divide at 1:00 P.M. From divide found Utah Valley misty but valley east of Wasatch Clear indicating effect of smoke and conifers in valley. Photo (610822-1) from divide to S.E. Slopes at near gravitational repose. Photo (610822-2) higher on ridge sloating S.E. (and 610822-3a) (610822-3) also in this direction. Trail narrow but safe. This ridge could be used for photographing many interesting aspects of the mt. Arrived top 2:00 P.M. or 2 hrs and 15 mins from Emerald Lake or 6 hrs and 45 minutes from Aspen Grove to top of mt. Timp. From top photographed (610822-4) Emerald Lake directly below. Photo (610822-5) of Bob & David, ^{and Jay} and (610822-6) of Bob, David & me. Left top 2:12 P.M. Elevation pointed on rocks (may not be official) 11,750 ft. and 7.6 miles ^{beyond} from Aspen Grove. At 2:23 P.M. photo (610822-7) of Timp ^{and (610822-7a and 7-b)} Cirque to north. At 2:36 P.M. saw 2 adult rosy-crowned finch (Leucosticte). The young flew to rock ledge and started to flutter wings until adult flew over to it and fed it an insect of some kind. These 3 birds were at the upper limits of the ^{massive} rock protubance. At base of this rock mass at 6:45 noted 60 leucosticte feeding on slope at base of rocks. These birds made local flights from one part of the slope to another and then all left and formed a close group order and flew S along ridge. Arrived pass on ridge at 3:00 P.M. and descended to cirque below. Thence across cirque to trail leading up rock slide to cliffs between American Fork Cirque and Emerald Lake. Turned off regular trail at 3:25. Noted that there were no peba or marmot on west exposure at least I did not see or hear them as we worked across the ridge. American