

with the adult birds, however I have <sup>400610-91</sup> observed the rightful parent of a young ~~bird~~ attack a neighbouring gull that was pecking its young one which had trespassed beyond its own territorial limits. The most trying times and, sometimes fatal, for young birds is their attempt to return to their own territories after breaking up their compact congregations and which follow immediately after the invader has left and allowed the parent birds to reestablish their area again. These young gull then must pass thru several foreign territories before finally reaching their own and with every new territory it enters it is received with a cruel and tortuous peck from the occupant of the territory. If the young bird is old enough to have a sense of homing instinct he is able to run the ruthless maze with half his life left when finally reaching home base but if instead the young are immature and lack physical strength & resistance to attack and must reach home by the trial & error method of bombardment they will place their life in jeopardy. Such is the price they pay for being molested by human trespass. It was observed many times that the young ones pass from one territory to another in a semi-conscious state being critically attacked at each territory until finally it reached by trial & error its rightful owner. Now if these same young are forced to leave their own territories for too far a distance their chance of returning is doubtful.

4. It appears that the parents recognize their young but the young's power of parental recognition is doubtful, at least to any noticeable or impressive degree.

5. Parent birds have powers of factual or intrinsic identification but have no conceptions of numbers. For example 2 or 3 eggs or even 5 eggs in a nest, <sup>artificially placed</sup> is the same to a bird.

6. Young birds depend upon adult birds for shade. In some cases it is not the largest <sup>young</sup> bird that gets all the favors as they offer shade for the small ones, here a matter of the survival of the unfit, except of course when feeding precedence is involved.