

delicate organs. No fissure was perceptible in any of the articulations of the small claws, but in the chela each segment was split in the neighbourhood of the joints and the articulated ligaments ruptured. The lining membrane of the stomach was found in the thorax, having the stomachal teeth connected with it; from its position it would seem that the animal had dropped it into the place where it lay before the extrication of its limbs was quite accomplished. The internal tendons were all attached to the moveable joint of each pair of forceps, both in the chela and in the two anterior pairs of smaller ambulatory legs.

“ On examining the animal, which had extricated itself from the exuvium described above, the shell was found soft and flexible, but contained a sufficiency of calcareous matter to give it some firmness, especially in the claws. The tendons of the forceps were still perfectly membranous, presenting a very decided contrast when compared with the old ones affixed to the discarded shell. The stump of the lost chela had not as yet begun to sprout, and the extremity was covered by a soft black membrane. The jaws were quite hard and calcified, as likewise were the teeth contained in the stomach.”

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METEOROLOGICAL OBSERVATIONS FOR AUGUST, 1839.

*Chiswick.*—Aug. 1. Fine. 2, 3. Hot. 4—6. Very fine. 7. Rain, with thunder at night. 8. Overcast and fine. 9—14. Very fine. 15. Hazy: drizzly. 16. Very fine: cloudy: rain at night. 17. Rain. 18. Very fine: heavy rain at night. 19. Rain. 20. Hazy: fine. 21. Clear and fine. 22—26. Very fine. 27. Overcast: slight rain. 28. Hazy. 29. Cloudy: rain at night. 30. Rain: fine. 31. Cloudy: rain.

*Boston.*—Aug. 1. Fine: rain early A.M. 2, 3. Fine. 4. Cloudy: rain P.M. 5, 6. Fine. 7. Rain. 8, 9. Fine. 10. Fine: rain P.M. 11. Rain. 12. Cloudy. 13. Fine. 14. Rain. 15. Fine. 16. Cloudy: rain early A.M.: rain, thunder and lightning P.M. 17. Fine: rain A.M. and P.M. 18. Fine. 19. Rain: extraordinary rain early A.M. 20. Cloudy: rain A.M. and P.M. 21, 22. Fine. 23. Cloudy. 24. Cloudy: rain early A.M. 25. Fine. 26. Cloudy. 27. Fine: rain early A.M. 28. Cloudy: rain P.M. 29. Cloudy. 30. Cloudy: rain early A.M. and P.M. 31. Rain: rain early A.M. and P.M.

*Applegarth Manse, Dumfries-shire.*—Aug. 1. Pleasant day: getting cloudy P.M. 2. Rain nearly all day. 3. Calm and temperate: cloudy P.M. 4. Fine clear day. 5. Fine: at noon sultry: air electrical. 6. Wet all day. 7. Occasional showers. 8. Fine: pleasant breeze: sky clear. 9. Slight rain A.M.: cleared up. 10. High wind: dry A.M.: showery P.M. 11. Fair and fine A.M.: showery P.M. 12. Dull, but fair. 13. Clear and calm all day. 14. Very wet from 11 A.M. 15. Damp and drooping all day. 16. Occasional drizzling all day. 17. Dry and partially clear. 18. Warm and close: showery P.M. 19. Drooping day. 20. Chill morning: fair: showery P.M. 21. Fair throughout: hoar frost A.M. 22. Fine day: heavy dew A.M. 23. Rain at noon and continued all day. 24. Drooping day. 25. Fair till afternoon: cloudy and close. 26. Fair throughout. 27. Beautiful harvest day. 28. Fair A.M.: came on heavy rain P.M. 29. Heavy rain: flood in the river. 30. Fine day: occasionally slight drizzle. 31. Very wet till 5 P.M., when it cleared.

Sun 27 days. Rain 18 days.

Wind southerly 18 days. Northerly 8 days. Westerly 4 days. Easterly 1 day.

Calm 15 days. Moderate 8 days. Brisk 4 days. Strong breeze 2 days. Boisterous 2 days.





1839. "Meteorological observations for August, 1839." *Annals of natural history* 4, 143–143. <https://doi.org/10.1080/00222933909512482>.

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