Parabolic elements of the comet discovered

M. Victor Mauvais

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This liquor, when not strong, has the colour of weak tincture of litmus, but when concentrated it appears black; it remains clear for two or three days, but after this the oxide is entirely precipitated, and remains at the bottom of the vessel in the form of a blue cloud. The addition of a soluble salt to this liquor, when heated, occasions the instantaneous separation of the oxide, and a few drops of hydrochloric acid soon render it bright.

It does not always happen that distilled water produces the above described appearance, but the cause of the variation is not apparent; the mode of solution appears, however, to be similar to that of iodide of starch, prussian blue, &c. &c.—*Ann. de Ch. et de Phys.*, Juillet 1844.

PARABOLIC ELEMENTS OF THE COMET DISCOVERED BY M. VICTOR MAUVAIS, JULY 7, 1844, AS COMPUTED BY HIMSELF.

Time of perihelion passage, October 1844	14.7681 Paris mean time.
Logarithm of perihelion distance	9.8817875 ($q=0.7617$)
Longitude of perihelion	176° 35' 42"
Longitude of the ascending node	35 37 42
Inclination	49 41 23
Motion	retrograde

Comptes Rendus, 15 Juillet, 1844.

METEOROLOGICAL OBSERVATIONS FOR JULY 1844.

Chiswick.—July 1. Slight haze: cloudy: thunder, with rain from 6 till 8 P.M. 2. Rain: cloudy. 3. Cloudy. 4. Slight rain: cloudy. 5, 6. Fine. 7. Hazy and mild: overcast. 8. Hazy: very fine. 9—11. Very fine. 12. Very fine: showery. 13. Rain: heavy rain at night. 14, 15. Clear and fine. 16. Overcast. 17. Fine: dusky clouds: hazy. 18. Very fine: cloudy. 19. Overcast: thunder quarter to 1 P.M.: thunder-showers in afternoon. 20, 21. Clear and fine. 22. Cloudless and very hot. 23, 24. Sultry. 25. Very hot. 26. Cloudy: clear. 27. Hot and dry. 28. Very fine: cloudy. 29. Hot and very dry: exceedingly clear at night. 30. Overcast: rain. 31. Cloudy and fine: clear.—Mean temperature of the month 1° above the average.

Boston.—July 1. Fine: rain A.M. 2. Cloudy. 3. Fine. 4. Fine: rain P.M. 5. Rain. 6—8. Cloudy. 9—11. Fine. 12. Fine: rain A.M. 13. Fine: rain A.M. and P.M. 14. Stormy. 15. Fine: rain A.M., with thunder. 16. Fine: rain P.M. 17. Fine. 18. Fine: rain P.M., with thunder and lightning. 19. Fine: rain P.M. 20, 21. Fine. 22. Fine: thermometer 81° 2 o'clock P.M. 23. Fine: thermometer 80° 3 o'clock P.M., in the sun 112°. 24. Cloudy: rain A.M. 25. Fine: rain P.M. 26, 27. Cloudy. 28. Fine. 29. Fine: rain early A.M.: rain P.M. 30. Cloudy: rain P.M. 31. Cloudy: rain, with thunder and lightning A.M.

Sandwich Manse, Orkney.—July 1. Cloudy. 2—6. Drizzle: showers. 7—9. Cloudy. 10. Cloudy: showers. 11. Showers: cloudy. 12. Damp: cloudy. 13. Bright: cloudy. 14. Cloudy. 15. Cloudy: clear. 16. Bright: clear. 17. Clear. 18. Clear: showers. 19. Cloudy: showers: drizzle. 20. Cloudy. 21. Cloudy: showers. 22. Cloudy: fine. 23. Clear: fine. 24. Bright: cloudy. 25. Clear: fine. 26. Clear: fog. 27. Clear: fine. 28. Bright: showers: fog. 29. Drizzle. 30. Cloudy. 31. Rain.

Applegarth Manse, Dumfries-shire.—July 1. Fine: a few drops of rain. 2—4. Fine: sultry. 5. Fine, but cloudy. 6. Slight shower. 7. Fine and fair. 8. Fine: a few drops of rain. 9. Fine, but cloudy. 10. Showers. 11. One shower. 12. A few drops of rain. 13. Heavy rain. 14. Showers: thunder. 15—17. Showers. 18. Showers: thunder. 19. Slight shower: thunder. 20. Fair. 21. Wet all day. 22. Fine. 23. One heavy shower: thunder. 24—26. Rain: heavy P.M. 27. Beautiful day. 28. Showers. 29. Fair. 30, 31. Rain.