

DEMENT SURNAME PROJECT

Y-DNA Project Update

How new Big Y-700 genetic testing clarifies the lineages of Charles Dement (1740) and maps the R-FTB46902 mutation.

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Presented July 2026 by Richard Dement

The latest tests results

The DNA Breakthrough

Analyzing the arrival of two crucial Big Y-700 tests and how they transformed the project's historical mapping.

EXPANDING THE SURNAME PROJECT

Test 1: William A. Dement Esq.

William traces his lineage to **Charles Dement (1740)** through his son **Abner**.

William's results indicate that Abner's downstream lineages are all downstream from the **R-FTD79602** haplogroup.

Test 2: Robert Allen Dement

Robert traces his lineage to **Charles Dement (1740)** through his son **Cader**.

Robert's results placed him within a new mutation group **R-FTB46902**, clarifying the biological marker for Cader's line that is downstream from **R-FTD79602**.

LOCATING THE GENETIC DIVERGENCE

The Story of Two Brothers

Because brothers Abner and Cader ended up in two distinct haplogroups, we have unlocked conclusive genetic evidence.

Abner Dement: Tested negative for the R-FTB46902 mutation, staying upstream in R-FDT79602.

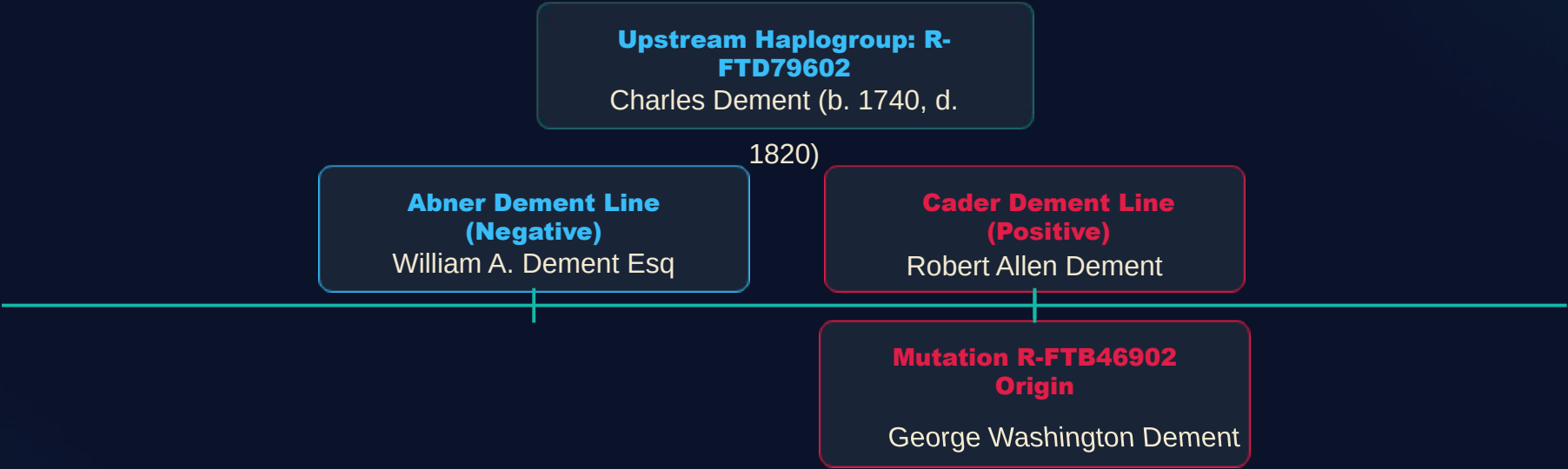
Cader Dement: Positively identified as carrying the R-FTB46902 mutation. Moves downstream from R-FTD79602.

Conclusion: The mutation occurred with Cader Dement (b. 1777, d. 1849).



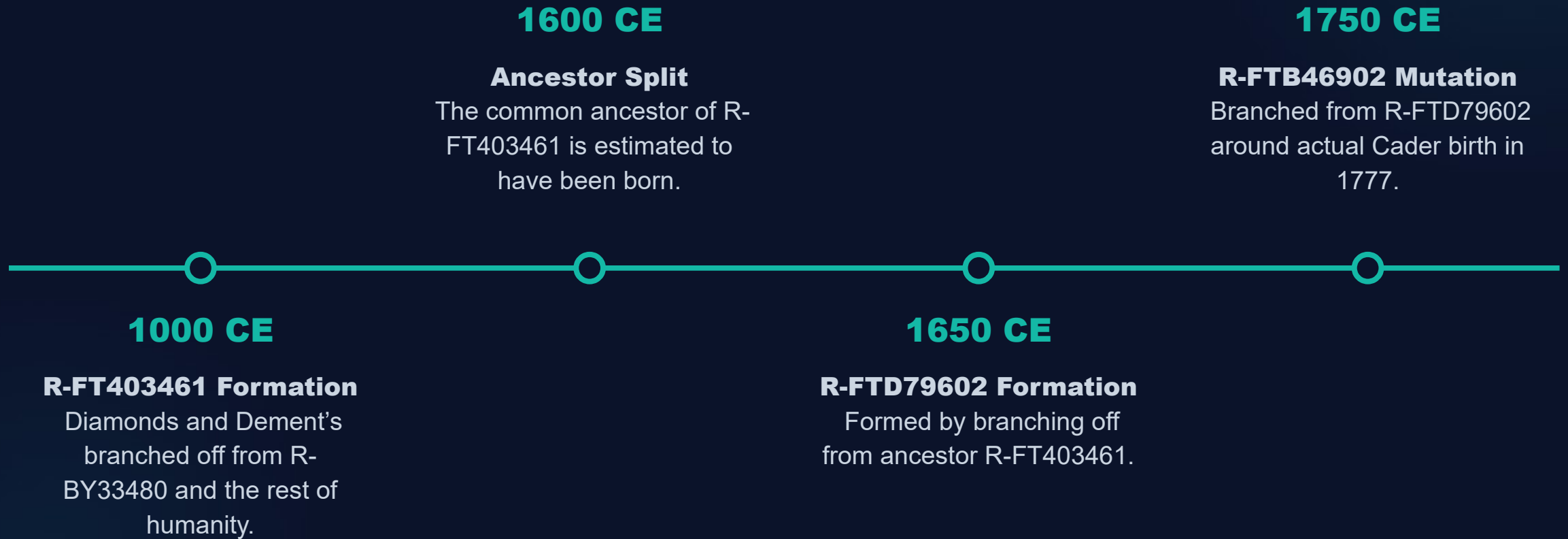
Cader starts R-FTB46902 - Charles and Abner R-FTD79602

THE REVISED LINEAGE DIAGRAM



This configuration proves the R-FTB46902 mutation is specifically associated with **Cader Dement** and his descendants.

PATERNAL LINE MILESTONES (CE)



DETAILED MUTATION DEEP DIVE



R-FT403461

Formed around 1000 CE (95% range: 753-1179 CE). The MRCA was born around 1600 CE, spawning three known branches: the Diamond, R-FTA20052 & R-FTD79602.



R-FTD79602

Formed around 1600 CE. The MRCA is estimated at 1650 CE (95% range: 1479-1780 CE). Ancestral to R-FTB46902 and 3 other downstream lineages: Abner, Charles Gilbert & Thomas Miers.



R-FTB46902

Formed around 1650 CE from R-FTD79602. The MRCA is estimated at 1750 CE (which is close to Cader Dement's real-world birth year of 1777).

GENETIC LINEAGES COMPARISON

Haplogroup	Estimated Origin Date	95% Confidence Range	Identified Key Ancestor
R-FT403461	1000 CE	753 CE - 1179 CE	Unknown (Branch of R-BY33480)
R-FTD79602	1600 CE	1434 CE - 1728 CE	John Dement (thought to be 1721)
R-FTB46902	1650 CE	1479 CE - 1780 CE	Cader Dement (b. 1777, d. 1849)
R-BY65751	1750 CE	1564 CE - 1861 CE	Charles Gilbert / Thomas Miers

MUTATION PROGRESSION



On the left is R-FT403461, the MRCA was born around 1600 CE, spawning three known branches: a Diamond line, R-FTA20052 & R-FTD79602.

Next is R-FTD79602, the MRCA was born around 1650 CE. Likely John 1721's Unknown father, then passed on to John and then Charles 1740. It is Ancestral to R-FTB46902 and 3 other downstream lineages: Abner, Charles Gilbert & Thomas Miers.

On the right is R-FT403461, Cader the MRCA was born around 1750 CE.

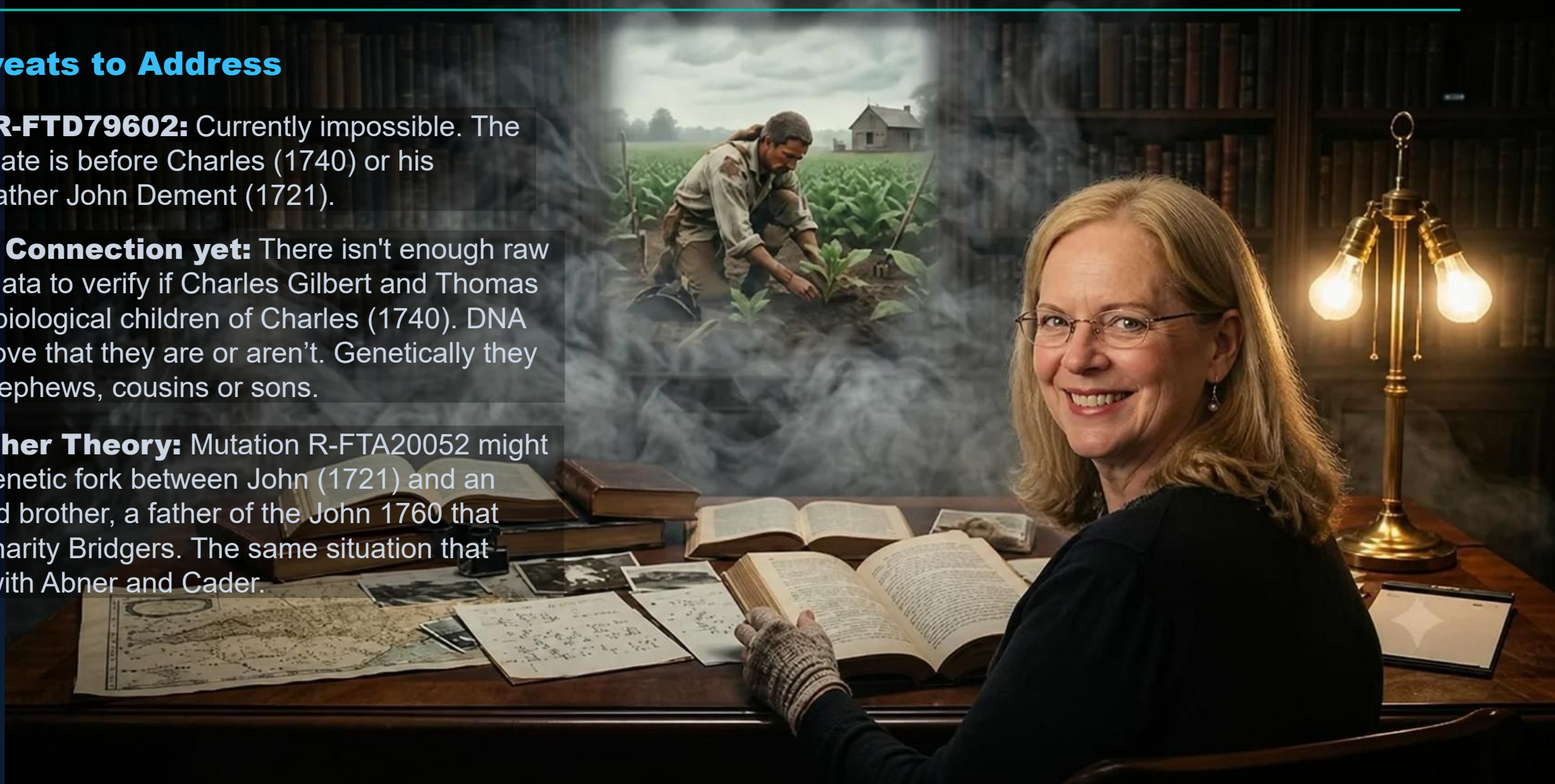
UNRESOLVED HISTORICAL ENIGMAS

Key Caveats to Address

Naming R-FTD79602: Currently impossible. The 1650 estimate is before Charles (1740) or his assumed father John Dement (1721).

No Solid Connection yet: There isn't enough raw historical data to verify if Charles Gilbert and Thomas Miers are biological children of Charles (1740). DNA doesn't prove that they are or aren't. Genetically they could be nephews, cousins or sons.

The Brother Theory: Mutation R-FTA20052 might reveal a genetic fork between John (1721) and an unidentified brother, a father of the John 1760 that married Charity Bridgers. The same situation that occurred with Abner and Cader.



Acknowledgments

For progressing our understanding of the Charles Dement genetic lineage.

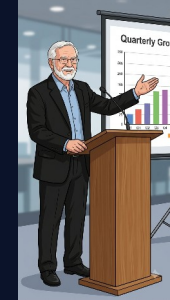


A special thank you to **William A. Dement** Esq and
Robert Allen Dement for testing and sharing their
biological records.

IMAGE SOURCES



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Acknowledgments



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Richard “Dick” **Dement** for making the
presentation for me.