

AGM Report Aug 2022
Genealogy/DNA
LaRhee Henderson

Areas: Facebook pages, Geni, Ancestry, member requests, Family Tree DNA Surname Project, outreach, and various communications.

1. **Members requests/trees** through the CHS web site.

In 2021/22 we received and responded to about 8 requests/month.

2. **Tree Building:**

- a. Jim Henderson coordinates our trees on Geni. We have 5138 Henderson individual's profiles on Geni.

Other trees (about 675) are on Ancestry. Included here are about 140 that have been built or updated in 2021/22. The consolidated tree (that connects individual trees to others' trees) has about 86000 individuals. We continue our efforts to coordinate trees between Ancestry and Geni.

- b. We receive questions from others researching in these 2 sites. In 2021-2022, Geni had 87 correspondences and Ancestry had 31. These range from a simple correction to resolving conflicts between two trees to building new trees.

3. **Facebook:**

- a. Public Facebook genealogy page- This site carries items of general interest like DNA testing sales, genealogy resources, etc.). It has 523 followers. There were 143 people reached during the first 2 weeks of July, for example. These numbers vary widely since I don't post something every day.
- b. CHS members Facebook Genealogy Group has 426 active members. There were 3 posts in July 2022. The most popular post was in April concerning a DNA result. It had 168 engagements. and (Private genealogy group allows more specific questions/answers where other members share answers, suggestions that include but are not limited to the CHS genealogy team.)

4. **Genetic analysis.**

David Henderson administers the Henderson Surname Project on Family Tree DNA.

David Henderson, Jim Henderson and Stephen Embry have collaborated this year to compare DNA groups with family tree connections, especially focusing on the Fordell group and the R-BY56997 group.

Stephen Embry's report: Since last year, we have been engaged in use of TIP analysis reports (tool used to predict number of generations to common ancestor) to see who had the closest DNA matches among a fairly large population of Y-111 kits in the R-BY56997 Haplogroup

family. Experience has shown and been verified by a few known tree relationships, that Y-111 TIP predictions are the most accurate and fairly reliable at >85% likelihood level. This haplogroup has more than 18 kits who have tested to Y-111 or BigY. While searching for predictions of less than 6 generations to common (reasonable level to see in many documented trees), I have engaged several kit owners to see if their tree's have confirmed (or could confirm) these relationships. This would add veracity to the TIP analysis reliability and help other cousins determine how their trees connect. I have engaged several kit owners with good trees to see if they can help.

In July 2021, we engaged two Y-DNA cousins who had well documented trees to a common ancestor, but their Y-DNA TIP analysis indicated that their common ancestor was 2-3 generations further back in time than the trees indicated. Turns out they both claimed different Nathaniel Henderson ancestors, who both lived in SC about the same time. Upon closer examination, we now believe that they both are descendants of the Richard "Quaker" Henderson (1710-1789) and currently are pursuing that documentation trail.

One kit owner has at least four (4) haplogroup cousins with 4-to-5 generations to common ancestor. Working with him to try and connect their trees.

In addition, one kit owner asked me for assistance in helping a close A-DNA cousin, that was unknown to the kit owner, try to confirm their Y-DNA relationship via Family Tree DNA. I have interviewed both parties and encouraged the new A-DNA cousin to take the Big-Y700 test. Analysis is in-process, but (so far, at Y-111) confirms the Y-DNA connection between them and (very likely) the Haplogroup of R-BY56887 (see above). Now we are trying to connect the trees. For the new A-DNA cousin, this is huge, since their paternal relationship was not clear (candidate has a completely different surname)..

David Henderson's report:

As of mid-July we have 563 men enrolled in the Y-DNA Henderson project at Family Tree DNA, up from 546 last year. We have 478 men who have been identified as probably Henderson male lines, an increase of 18 from last year. We have 26 non-Henderson male line members in the project who enrolled for autosomal DNA but show up in the Y-DNA data. The remaining 59 Henderson surname members do not have any DNA matches yet to other Hendersons.

The biggest event of the year is a significant increase in the number of members who have taken the Big Y-700 test. This test has become much more affordable and provides a wealth of detail. A new tool recently released by FTDNA allows members to generate a detailed analysis of how long in the past they should look to find the common ancestor with other people in their family group. When working with the less detailed data, we were often looking at connections over 1000 years in the past and beyond the scope of genealogy. As a result, we can now recommend that members upgrade to the Big Y-700 if they can afford it to take advantage of the greater information available. This is the first year we have felt we could enthusiastically recommend this because the tools to analysis the data have improved. Most of the men in the project are still only identified by the haplogroup R-M269. The figure below shows that this is totally useless for genealogy. The R-M269 mutation occurred about 6500 years ago and there are over 80,000 men who have been tested and carry this mutation.

R-M269

Haplogroup R-M269 represents a man who is estimated to have been born around 6,000 years ago, plus or minus 800 years.

That corresponds to about 3900 BCE with a 95% probability he was born between 4738 and 3184 BCE.

R-M269's paternal lineage branched off from R-P297 and the rest of mankind about 14,000 years ago, plus or minus 2,300 years.

He is the most recent common ancestor of at least 2 lineages known as R-L23 and R-PF7562.

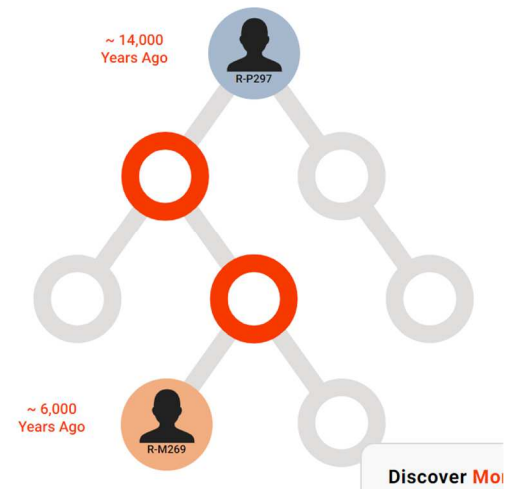
There are 81,984 DNA test-confirmed descendants, and they have specified that their direct paternal origins are from Ireland, England, Scotland, and 128 other countries.

As more people test, the history of this genetic lineage might be further refined.

R-M269 descendants are from these countries:



** Based on self-reported earliest known direct paternal countries of origin from participants.*



You should compare the figure above with the information for the Fordell male line below.

The Fordell family group is, naturally, of special importance. We have 14 male testers now in this group. Six have now taken the Big Y 700 test, including Chief Alistair. Three of these men do not have the Henderson surname, and the source of their male connection is not yet known. The Big Y data has allowed us to understand more about the DNA connections to Alistair for this group. The time scales to a common ancestor are estimated at about 250-700 years in the past. Some of these are potentially within the range that could make genealogical connections possible. As more members of this group take the Big Y test, we will be able to provide them with their connections as well. The same level of detail is possible for all family groups with the Big Y-700 test.

The figures below show the type of information available. The details of haplogroups and names of testers have been removed to comply with the privacy rules of DNA testing at FTDNA.

FTDNA provides estimates of time to common ancestor for each closely matched haplogroup. The three images below correspond to the haplogroup of Chief Alistair and two haplogroups containing more recent mutations that also originate in distant uncles of Chief Alistair. One line has a mutation estimated as 350 years in the past and the other at 250 years in the past, with a margin of error as specified. The oldest mutation that identifies Alistair's direct line happened about 450 years ago. There is one other person among those tested who has this mutation and is the closest relative of Chief Alistair. We will add to our analysis as more men purchase the Big Y test.

DNA Discovery Report for Chief Alistair's haplogroup

R-F1

Haplogroup R-F1 represents a man who is estimated to have been born around 450 years ago, plus or minus 200 years.

That corresponds to about 1600 CE with a 95% probability he was born between 1354 and 1702 CE.

R-F1's paternal lineage branched off from R-B1 and the rest of mankind about 700 years ago, plus or minus 200 years.

He is the most recent common ancestor of at least 2 lineages known as R-F1 and R-F1.

There are 6 DNA test-confirmed descendants, and they have specified that their direct paternal origins are from Scotland with 4 from unknown countries.

As more people test, the history of this genetic lineage might be further refined.

R-F1 descendants are from these countries:

Scotland



2 Testers

Unknown Country



4 Testers

* Based on self-reported earliest known direct paternal countries of origin from participants.



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Discovery report for matches with a more recent mutation and a more recent connection to the male line.

R-F1

Haplogroup R-F1 represents a man who is estimated to have been born around 350 years ago, plus or minus 150 years.

That corresponds to about 1700 CE with a 95% probability he was born between 1508 and 1795 CE.

R-FTA84091's paternal lineage branched off from R-F1 and the rest of mankind about 450 years ago, plus or minus 200 years.

He is the most recent common ancestor of at least 3 lineages known as R-F1 and R-FTA84091.

There are 5 DNA test-confirmed descendants, and they have specified that their direct paternal origins are from Scotland with 4 from unknown countries.

As more people test, the history of this genetic lineage might be further refined.

R-FTA84091 descendants are from these countries:

Scotland



1 Tester

Unknown Country



4 Testers

* Based on self-reported earliest known direct paternal countries of origin from participants.



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Report for second haplogroup with more recent mutations from the Fordell line.

R-F

Haplogroup R-FT... represents a man who is estimated to have been born around 250 years ago, plus or minus 150 years. That corresponds to about 1800 CE with a 95% probability he was born between 1605 and 1873 CE. R-FT... paternal lineage branched off from R-FT... and the rest of mankind about 350 years ago, plus or minus 150 years. He is the most recent paternal line ancestor of all members of this group. As more people test, the history of this genetic lineage might be further refined.


R-FT... descendants are from these countries:

Unknown Country

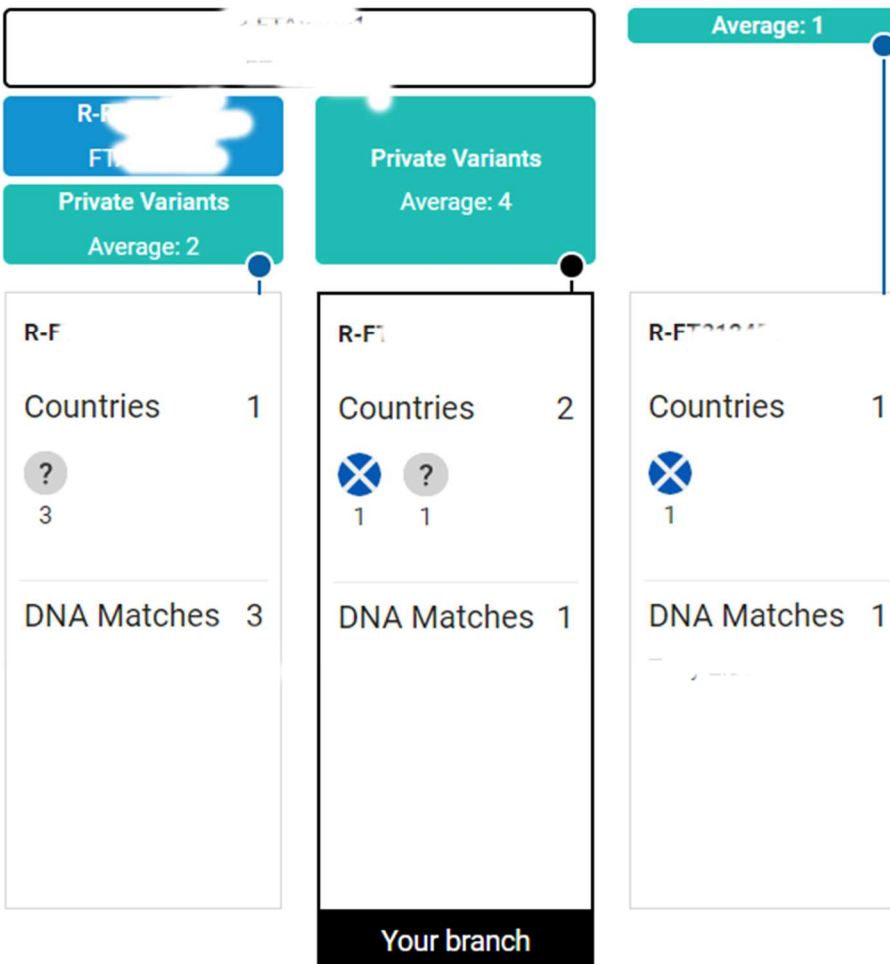


3 Testers

** Based on self-reported earliest known direct paternal countries of origin from participants.*



Big Y- Block Tree Display for Fordell Group shows the core haplogroup and the two branches. The branch on the left separated from Chief Alistair's line about 250 years ago. The branch on the right separated from the ancestors of Chief Alistair about 450 years ago.



Haplogroup	Private Variants (Average)	Countries	DNA Matches
R-F	2	1	3
R-F	4	2	1
R-FT	1	1	1

Vertical Scale: Average: 1

Bottom Label: Your branch