

Client's name has been withheld. Names in the report have been changed to protect privacy. Full copies of charts, records and photos included with this report are in a separate file. Materials below are included with the client's permission.

This 20-hour project yielded 41 pages of records, charts, and photos which are in a separate file. Note: Available DNA matches vary from project to project.



**BURTON0620BMP**  
**11 JUNE 2020**

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The logo for 'RESEARCH SUMMARY' features a stylized green leaf icon to the left of the words 'RESEARCH SUMMARY' in a bold, uppercase, sans-serif font.

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**OBJECTIVES**

- Discover the identity of the client's birth father using one first-second cousin match on Ancestry and several other second-cousin matches.
- If possible, locate the living birth parent and provide details about his life.
- Provide current contact information for the birth father and/or half siblings.

**RESULTS**

- Determined the identity of the client's birth father.
- Mapped the client's genetic heritage back four generations.
- Located social media pages of the client's birth father and half siblings.
- Discovered current contact information for the client's birth father and half siblings.

**RECOMMENDATIONS**

- Continue to map out the client's genetic pedigree to learn more about his other blood ancestors.
- Pinpoint countries of origin before coming to America for different family lines.
- Gather more family stories and photos.

Note: This client has now become close to his birth father, who had never known the client's birth mother (his high school girlfriend) had become pregnant. He has also become close to his half siblings. They share many common interests and have enjoyed vacationing together.

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## RESEARCH REPORT

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### DNA MATCHES ON ANCESTRY

In genetic genealogy, a centiMorgan (cM) is a unit used to measure genetic linkage. The amount of DNA shared by individuals is measured in centiMorgans. One centiMorgan corresponds to about 1 million base pairs in humans, on average. The more shared centiMorgans between DNA matches, the closer the relationships. In each successive generation, the number of shared centiMorgans divides roughly in half.

When you have a DNA match, it means you share centimorgans (cM), and are related in some way. The amount of shared centimorgans indicates genetic distance and places a DNA match in a specific range where there can be several possibilities. For example, a person with 1850 shared centiMorgans would most likely be an aunt, uncle, niece, nephew, grandparent, grandchild, or half sibling. Knowing the age and generation of the match becomes important in determining the likely relationship.

Efforts were made to discover the identities of Patrick's DNA matches, and their exact relationships to Patrick.

#### Bhofeltz

The client's closest DNA match on Ancestry is listed as "Rhintgen."<sup>1</sup> Additional investigation determined that this was a man named Rick Hintgen who was born in 1935 in Salt Lake City, Utah, and passed away in 2019. He and the client shared 764 centiMorgans of autosomal DNA. Ancestry lists Rick as a 1st -2nd cousin match. Based on the chart shown in the document section, this amount of shared DNA puts Rick in the range to be the client's first cousin, half uncle, great-grandfather, great-grandchild or great-uncle. Based on Rick's age, a strong possibility is that he is the client's great-uncle: the brother of his paternal grandfather or grandmother.

<sup>1</sup> Ancestry Autosomal DNA Database, information for DNA match "Rhintgen," <http://ancestry.com>, subscription database, accessed June 2020.

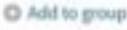
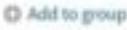
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## Other Second Cousin Matches

Other second cousin matches shown on Ancestry are Alice Harrison (278 shared centiMorgans), Janet Harrison (272 shared centiMorgans), Richard Goodfellow (248 shared centiMorgans) and mekins24 (224 shared centiMorgans).<sup>2 3 4 5</sup>

| 2nd Cousin  |  |  |   |
|---|--|--|---|
|    | <b>2nd-3rd Cousin</b><br>Shared DNA: 278 cM across 11 segments |  Unlinked Tree |    |
|    | <b>2nd-3rd Cousin</b><br>Shared DNA: 272 cM across 12 segments |  39 People     |    |
|  | <b>2nd-3rd Cousin</b><br>Shared DNA: 248 cM across 16 segments |  3 People    |  |
|  | <b>2nd-3rd Cousin</b><br>Shared DNA: 224 cM across 10 segments |  42 People   |  |

*Individuals flagged as 2<sup>nd</sup> cousin matches on Ancestry.*

Note that mekins24, Janet Harrison and Richard Goodfellow all posted small family trees connected to their DNA results. While the above individuals are indicated as second cousin, their amounts of shared centiMorgans indicate a relationship range that also includes additional possibilities: for example, a first cousin once removed, a first cousin twice removed, or a half great-great aunt/uncle/niece/nephew.

<sup>2</sup> Ancestry Autosomal DNA Database, information for DNA match Alice Harrison, <http://ancestry.com>, subscription database, accessed June 2020.

<sup>3</sup> Ancestry Autosomal DNA Database, information for DNA match Janet Harrison, <http://ancestry.com>, subscription database, accessed June 2020.

<sup>4</sup> Ancestry Autosomal DNA Database, information for DNA match Richard Goodfellow, <http://ancestry.com>, subscription database, accessed June 2020.

<sup>5</sup> Ancestry Autosomal DNA Database, information for DNA match "Mekins24," <http://ancestry.com>,

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## Third Cousin Matches

The following DNA matches are listed as third cousins on Ancestry: Douglas Smith, Rachel Simpson, Carol Grant Johnson and "Cassakru."<sup>6 7 8 9</sup> This amount of shared DNA can represent a half first cousin three times removed, a half second cousin once removed, or a second cousin twice removed in addition to a third cousin.

| 3rd Cousin  |   |   |
|---|---|---|
|    | <b>3rd-4th Cousin</b><br>Shared DNA: 143 cM across 6 segments |  Unlinked Tree |
|  | <b>3rd-4th Cousin</b><br>Shared DNA: 139 cM across 8 segments |  185 People  |
|  | <b>3rd-4th Cousin</b><br>Shared DNA: 100 cM across 6 segments |  37 People   |
|  | <b>3rd-4th Cousin</b><br>Shared DNA: 95 cM across 5 segments  |  16 People   |

*Individuals flagged as 3rd cousin matches on Ancestry.*

<sup>6</sup> Ancestry Autosomal DNA Database, information for DNA match Douglas Smith, <http://ancestry.com>, subscription database, accessed June 2020.

<sup>7</sup> Ancestry Autosomal DNA Database, information for DNA match Rachel Simpson, <http://ancestry.com>, subscription database, accessed June 2020.

<sup>8</sup> Ancestry Autosomal DNA Database, information for DNA match Carol Grant Johnson,

<sup>9</sup> Ancestry Autosomal DNA Database, information for DNA match “Cassakru,” http://ancestry.com, subscription database, accessed June 2020.

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### Charting the DNA Matches

The next steps involved finding the identities of unknown matches and determining relationship connections.

Connections between the client’s DNA matches are mapped out below. Sources for the pedigree information are included in the document section. In the charts shown below, DNA icons indicate the matches on Ancestry.

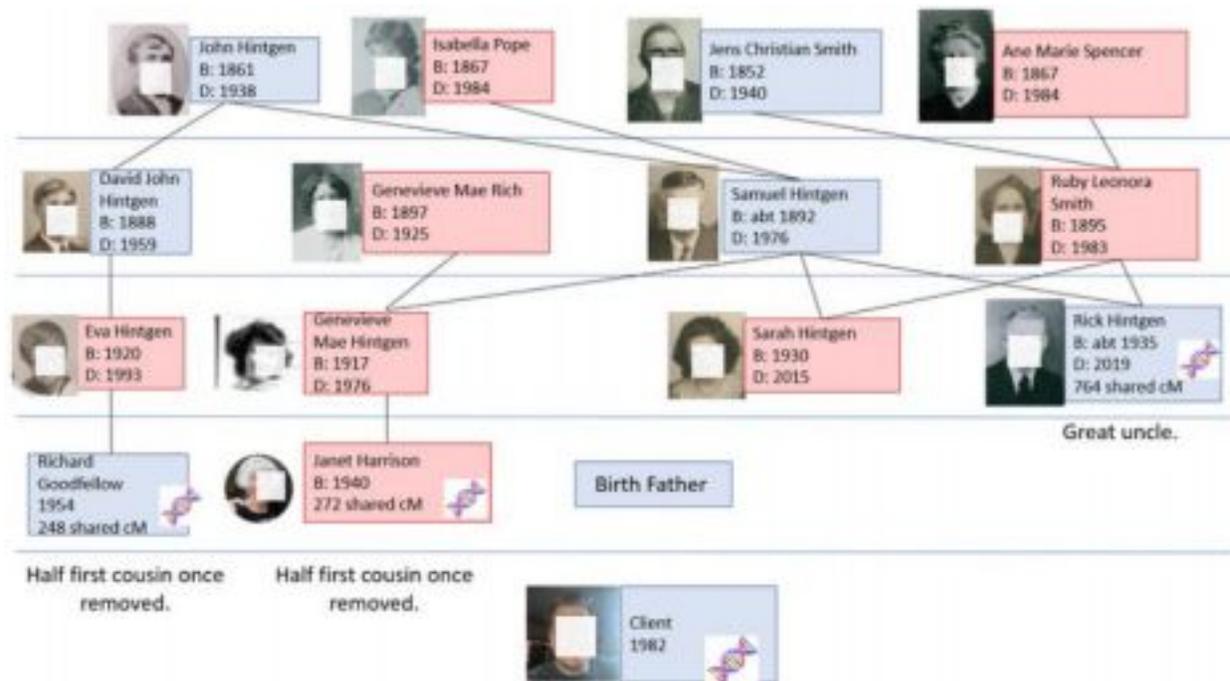


Chart showing connections between the client’s DNA matches.

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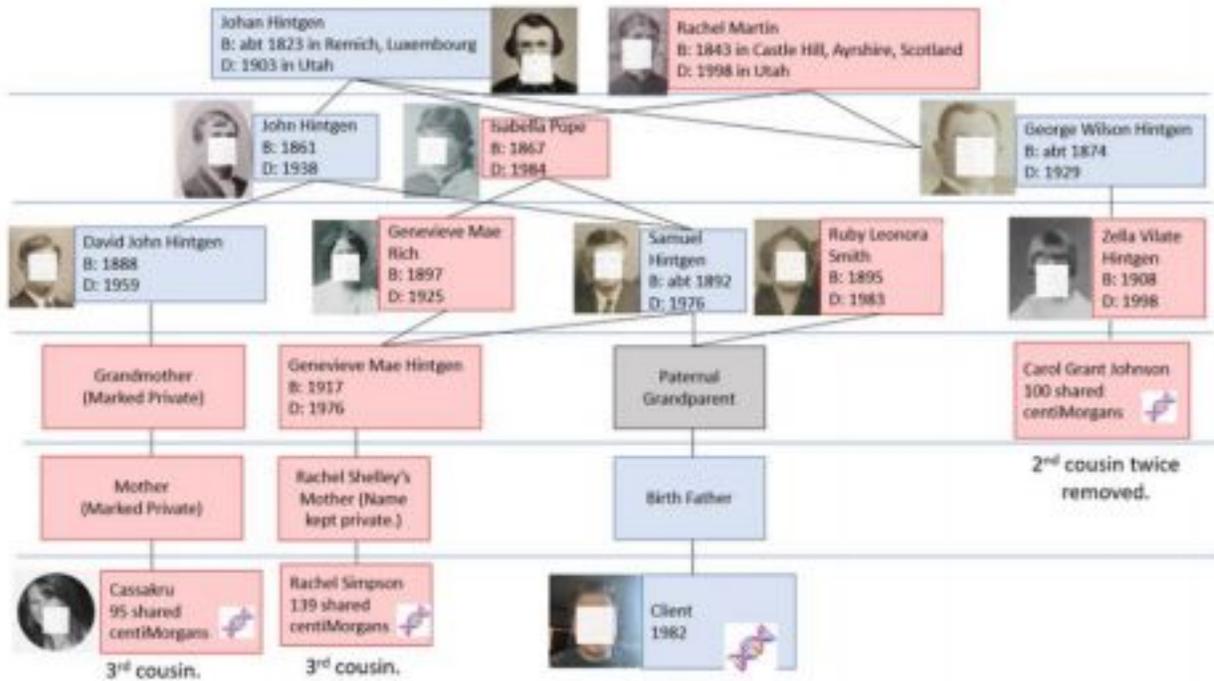


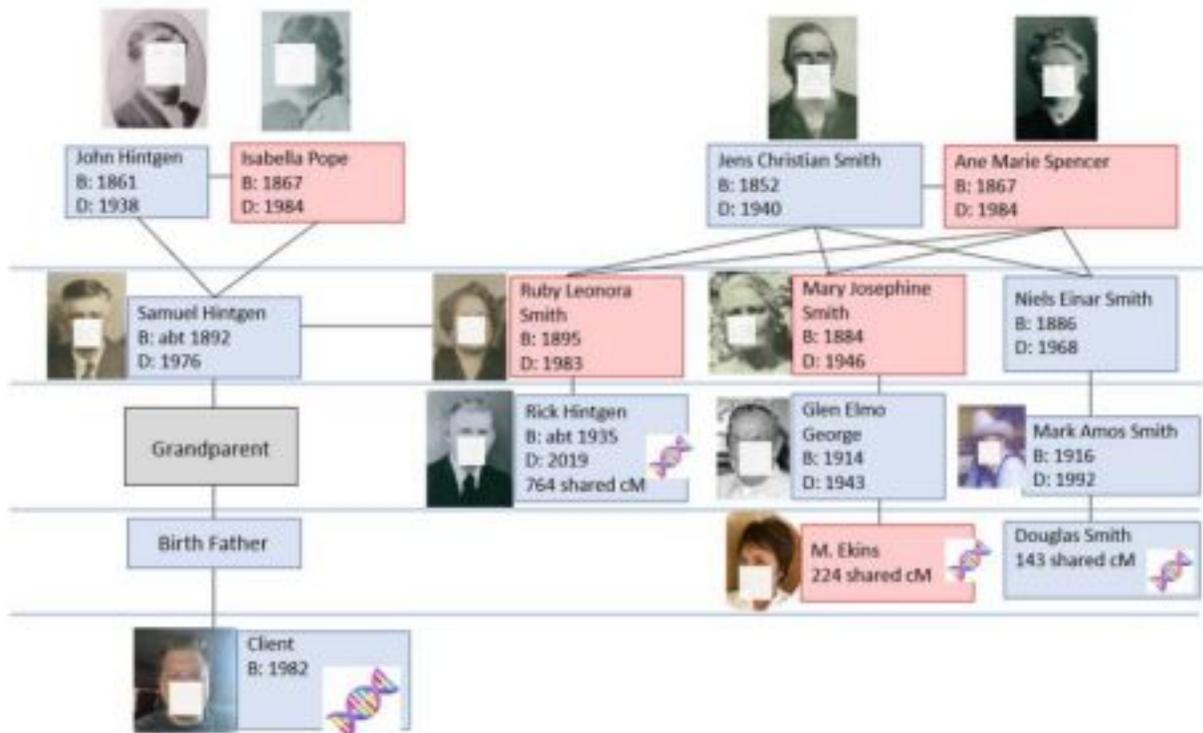
Chart showing additional connections between the client's DNA matches.

DNA matches descended from two siblings of Ruby Leonora Smith indicate that the client is a descendant of Samuel Hintgen through his second wife Ruby rather than his first wife Genevieve. The client's Hintgen line stretches back to Luxembourg and Scotland.

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*Chart showing additional connections between the client's DNA matches.*

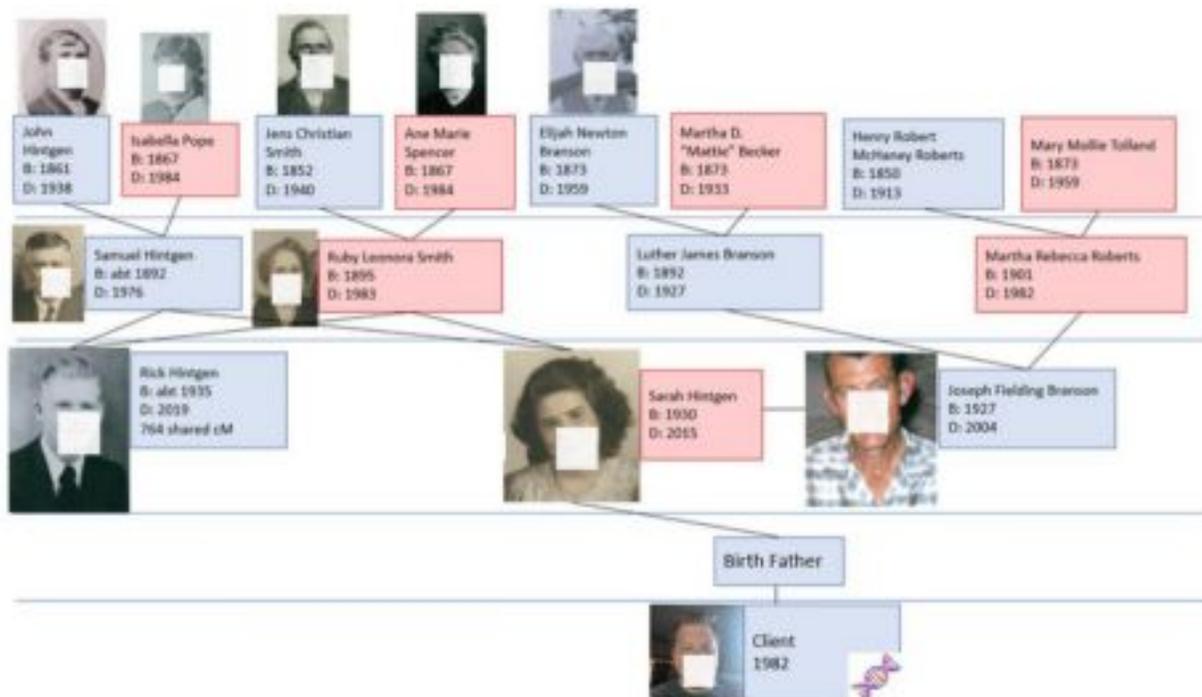
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The charting and amount of shared DNA identify DNA match Rick Hintgen as the client's great uncle. Rick had only one sibling: Sarah Hintgen, which strongly suggested Sarah Hintgen was the client's paternal grandmother.

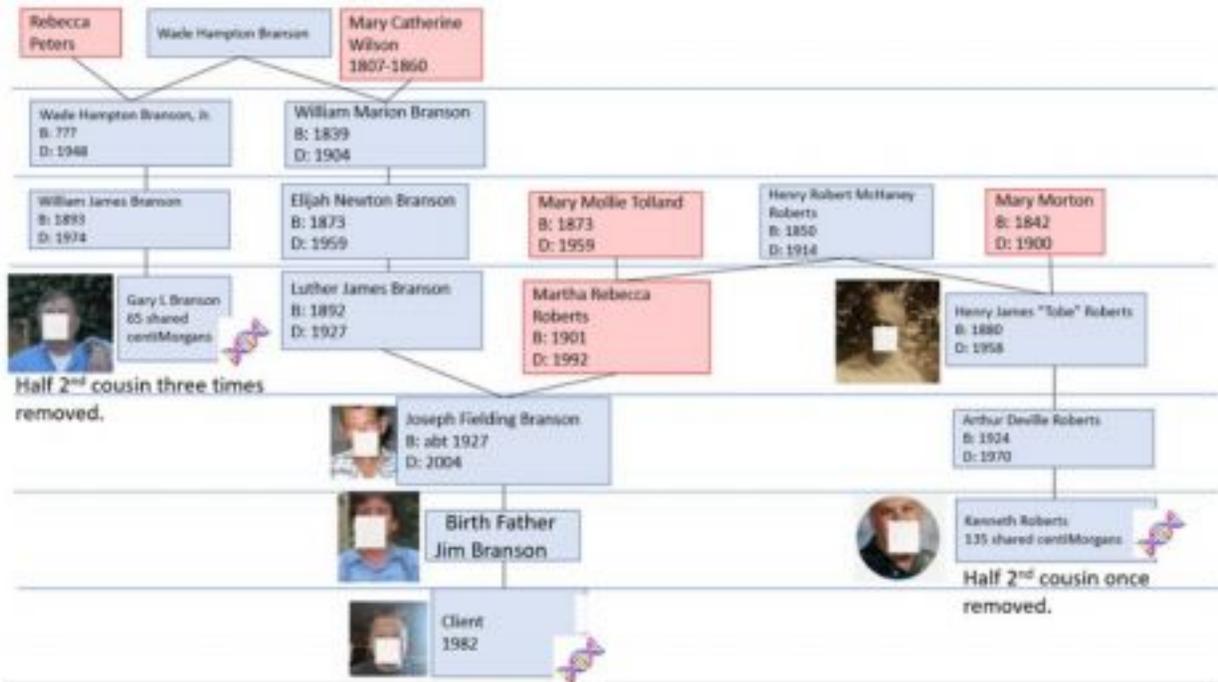


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Based on this theory, the client would also share DNA with Sarah's husband's side of the family. Additional DNA matches on the Branson side verify that the client is indeed related by blood to Joseph Fielding Branson—and both of his parents.



**Identifying the Client’s Birth Father**

The client already knows the identity of his birth mother and is searching for his birth father. Joseph and Sarah Hintgen Branson had three sons. All three attended Olympus High School in Holladay, Utah—the same high school as the client’s birth mother Cheryl Williams. Two sons were quite a bit older than Cheryl; and one son was in the birth mother’s same grade. With the client’s permission, contact was made with the Branson family. Sarah Hintgen Branson’s son Jim Branson shared memories of knowing and dating the client’s birth mother Cheryl Williams during high school. He lost contact with Cheryl when she moved away during their senior year of high school. He never knew Cheryl had become pregnant. He shared many positive memories of Cheryl, and is eager to meet the client.

The document section contains photos of the client’s birth father Jim Branson and his children—the client’s half siblings. It also contains current contact information for each member of the family, and links to their social media pages. In addition, there are photos of both paternal grandparents, and copies of their obituaries. Names have been added to a digital pedigree going back four generations.

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It has been a pleasure helping answer questions about your genetic pedigree and family history. Your birth family seems kind and welcoming, and there is a strong physical resemblance between you and your newly identified family members. We hope you find

peace and happiness as you connect with your birth family, and look forward to assisting you further in the future as you desire to push back farther in exploring your biological family's pedigree and history.

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