What Happened to the ***Oakley-Browne*** DNA Segment in the ***Quincy Oakley*** Line?

By Burks Oakley II
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I recently wrote a rather detailed analysis of my DNA match with Rev. Timothy W. Bever. See:

http://www.burksoakley.com/QuincyOakleyGenealogy/Oakley-Chr15-Subgroups_17Apr25.pdf

Some important points to note:

- Using the chromosome browser on GEDmatch.com, I have shown that I have a 45.7 cM DNA match with Tim on Chromosome 15.

- Tim and I are both descended from Miles Oakley V (1671-1743) and his wife Mercy Gardner (1673-1773). This couple lived in Westchester County, New York (near the western end of Long Island Sound).

- Tim and I share part of the DNA segment on Chromosome 15 with a number of others who are descendants of our ***Oakley-Gardner*** ancestors.

- Tim and I also share part of the DNA segment on Chromosome 15 with descendants of the parents of Miles Oakley V and even descendants of the grandparents of Miles Oakley V. His grandparents were Miles Oakley III (1612-1672) and Mary Browne (1607-1682). This couple were from Saffron Walden, England, and they immigrated to America in the mid-1600's.

- I have termed the DNA segment on Chromosome 15 the ***Oakley-Browne*** segment.

I subsequently wrote another narrative about my DNA match with Kathy Hill Orr. Kathy also has the ***Oakley-Browne*** segment on Chromosome 15, as was shown using the "chromosome browser" on GEDmatch.com. I identified ten people in Kathy's close family who all appear to have the ***Oakley-Browne*** DNA segment. See:

http://www.burksoakley.com/QuincyOakleyGenealogy/IolaMayOakley-Descendants_23Apr25.pdf

The DNA segment on Chromosome 15 appears to be passed from parent to child with little diminution. As an example of this,

GEDmatch Selected Kits 2D Chromosome Browser

2D Chromosome with Kit ZR2798817 - *Tim.

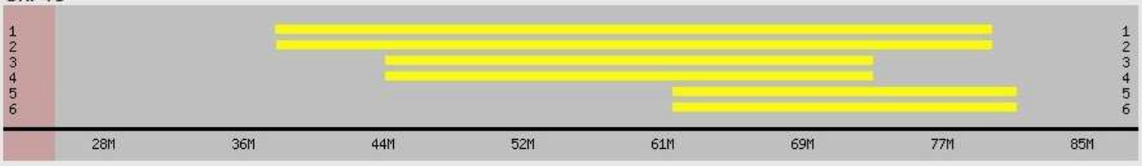
LEGEND

Length	> 100 cM	50-100 cM	20-50 cM	10-20 cM	5-10 cM	< 5 cM	Centromere
Color							

Chr 15

Match ID	Name	Matching segments on Chromosome 15	Overlap with previous match
1	Burks Oakley II(A122463)	38994113 - 81179553 (45.7 cM)	root
2	*Amy.Oakley(A059368)	39046212 - 81180981 (45.6 cM)	39046212 - 81179553
3	*EBW91(A127417)	45457458 - 74107677 (34.3 cM)	45457458 - 74107677
4	*Mark628(A171585)	45457458 - 74111343 (34.3 cM)	45457458 - 74107677
5	Sheryl Lynn Parker(A105626)	62429997 - 82573255 (24.5 cM)	62429997 - 74111343
6	*ACFinch(GR2396243)	62429997 - 82573255 (24.5 cM)	62429997 - 82573255

Chr 15



This screenshot is from an earlier narrative. It shows how my daughter Amy and I match Tim Bever (line 2 and 1), how Mark Workman and his daughter Elizabeth match Tim (lines 4 and 3), and how Sheryl Lynn Parker Finch and her son Austin Finch match Tim (lines 5 and 6). These DNA matches are on Chromosome 15. The important point to note is that Amy's match with Tim is essentially the same size as mine, Elizabeth Workman's match with Tim is essentially the same size as her father's, and Sheryl's match with Tim is essentially the same size as her son Austin's. So this segment seems to be passed from parent to child with little diminution.

I have suggested this DNA segment on Chromosome 15 is a "sticky segment".

The genealogical record seems to show that this segment goes back to the ***Oakley-Browne*** couple who lived in Saffron Walden, England, in the early 1600's.

This segment is found in Kathy Hill Orr and nine of her close relatives. It is found in Tim Bever and three of his close relatives. I have found several more family groups like this, but haven't yet written about them.

But the only members of the ***Quincy Oakley*** family who have this segment are my daughter Amy and myself. Where did it go? It seems to have vanished over several generations in several branches of our close family.

Hal Oakley and Mark Eidem have their DNA "tests" on the free GEDmatch.com website. I ran the "one-to-one" autosomal DNA test comparing Hal and Tim Bever:

> Comparing Kit HA5726105 (Harold B. Oakley) [Ancestry] and Kit ZR2798817 (*Tim) [Ancestry]
>
> No shared DNA segments found

I ran the same test comparing Mark and Tim Bever:

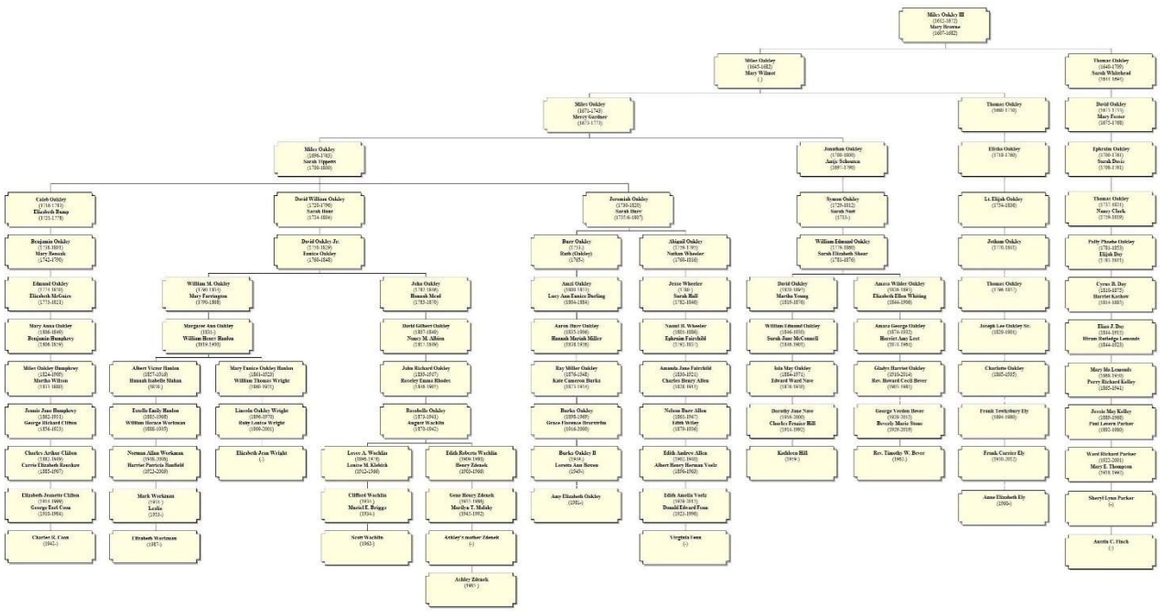
Comparing Kit A484508 (Mark Eidem) [Migration - F2 - A] and Kit ZR2798817 (*Tim) [Ancestry]

No shared DNA segments found

I have access to the DNA "tests" for Tim Oakley and Sullivan Oakley on Ancestry.com, and neither of them have DNA matches with Tim Bever or Kathy Hill Orr.

Since I have the ***Oakley-Browne*** segment, I had to have inherited it from my father, Burks Oakley (1898-1969), and he had to have inherited from his father, Ray Miller Oakley (1876-1948). But in the span of Ray's sons and grandchildren and great-grandchildren, the ***Oakley-Browne*** segment has vanished in all lines except the one going through my father.

I think that this is quite amazing. I have found the ***Oakley-Browne*** segment in so many different ancestral lines. I've essentially run out of space to add all my DNA matches to a relationship chart. This is what the chart looked like in mid-April 2025, and I now have at least 14 more people to add to it:



So what happened? What happened to this segment? After all the generations, going back to England in the early 1600's, what happened in just a few more generations?

I tried reading some of the literature about sticky segments – involving recombination, meiosis, crossover, etc. I can understand how these segments become smaller, but I sure don't see how they vanish in just a few generations when they have persisted for so many.

Oh well, something for the next generation of genetic genealogists in the ***Quincy Oakley family*** to figure out….