

Reading:

The following books are recommended for a general introduction to DNA investigations:

Colleen Fitzpatrick and Andrew Yeiser: *DNA & Genealogy*.

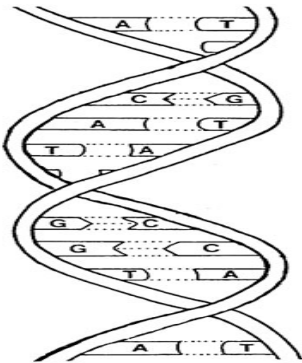
Brian Sykes: *Saxons, Vikings, and Celts*.

Aulicino, Emily D.: *Genetic Genealogy, The Basics and Beyond*

These books are available from amazon.com and may be available in your local public library.

Clan MacRae Society Website:

Our Society maintains a website at www.macrae.org. You can find a great deal of information about MacRae history and genealogy there. Members have access to a Member's Only section that includes access to Reverend Alexander MacRae's *History of the Clan MacRae*, published originally in 1910 and also Larry Cates' 2 volume work titled *Kith and Kin* about the early MacRaes in the Southeastern United States. We are also on Facebook as Clan MacRae Society of North America.



Pictured above are the Arms of the Clan MacRae Society of North America, granted to the Society in 2008 by Lord Lyon King of Arms. The Latin motto *Ex Uno ad Plures* translates as "From One to Many," a reference to the Clan's diaspora and the sobriquet "The Scattered Children of Kintail."

CLAN MACRAE SOCIETY OF NORTH AMERICA

www.macrae.org

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CLAN MACRAE DNA PROJECT



Who can be included?

The project is open only to males (* see below) and the project includes all names that are usually variants of MacRae:

Cra, Crae, Craith, Cratty, Craw, Cray, Cre, Crea, Creath, Creay, Cree, Creith, Graith, Grath, Graw, MacAra, MacArra, MacCarra, MacCra, MacCrach, MacCrae, MacCraith, MacCrary, MacCrate, MacCraw, MacCray, MacCre, MacCrea, MacCreath, MacCreay, MacCree, MacCrie, MacCrow, MacCroy, MacGraith, MacGrath, MacGraw, Machrae, Machray, Machrie, Mackray, Mackre, Mackreath, Mackree, MacRa, MacRach, MacRae, Macraith, Macrath, Macraw, MacRay, MacRe, MacRea, Macreath, Macree, Macrie, MacWray, MacWreath, Magraith, Magrath, Makre, McCra, McCrae, McCraw, McCray, McCrea, McCreath, McCree, Mcgrath, McGraw, McRa, McRae, Mcraith, Mcrath, Mcreath, McRee, Merie, Ra, Rae, Raith, Rath, Raw, Ray, Rea, Reay, Ree, Reath, Rhea, Rie, Wray, Wreath

Regardless of surname, any male who has MacRae blood in his lineage is welcome to submit his DNA and have his results compared with all other participants in the Family Tree database. We have, for example, discovered that some MacRaes are more closely related to Malcolm MacGregor, Chief of Clan MacGregor, than are many MacGregors.

* This project examines men's Y chromosomes whereas women have two X chromosomes and no Y. The Y chromosome does not vary over generations, but the X chromosomes do. Women should seek a male relative to participate.

The Clan MacRae DNA Project

What is it?

The Clan MacRae DNA Project is an effort to assemble and compare the results of testing DNA samples from a number of men whose surname is one of those recognized as a variant of MacRae. The testing is being done by Family Tree DNA, a commercial concern, and is coordinated by Ms. Alice Fairhurst, a member of the Clan MacRae Society and former President of the Genealogical Society of Southern California.

Comparing the Y chromosomes from those men who've submitted samples has allowed the project to

- identify relatives who were unaware of one another so that they can compare genealogical notes,
- identify closely related groups of MacRaes and establish their geographic origins,
- establish, for some individuals, their line of descent,
- facilitate communications among participants in the project.

The project has identified a large group of MacRaes, the Kintail or "Dalriada" MacRaes, who share a common ancestor and whose ancestors originated in the Kintail region of the Western Highlands. Another large group are Irish in origin and apparently descended from the famous "Niall of the Nine Hostages." Project administrators believe that it is becoming

possible to identify particular MacRae families, to establish the relationship of the MacRaes to other clans and to explore the early history of Clan MacRae.

Why only males?

The technique used in the project examines the participants' Y chromosomes. This chromosome passes from father to son and changes little over many generations. Women have no Y chromosome but have two X chromosomes, which may change significantly in a single generation, so that examining women's DNA gives confusing results. Alternate techniques available for women can identify cousins or ethnic origins, but the results are less useful for tracing family descent. On Family Tree, these come under the "Family Finder" test. Women can best use the DNA Project for genealogical research by asking a male relative – brother, father or cousin or uncle on the father's side – to submit DNA for examination.

What does the test require physically?

The DNA sample is collected by using a plastic swab to scrape the inside of the participants' cheek. It is painless and harmless.

How much does it cost?

The minimum test we recommend is the Y-DNA111 for \$249. You can order this on the Family Tree website:

<https://www.familytreedna.com/group-join.aspx?Group=McRae>

Tests that examine lower numbers of markers are available at lower cost, but the 111-marker panel is recommended. Since fathers, brothers and paternal cousins share the same Y chromosome, several members of a family can order just a single test – the results will apply to all close relatives through the male line, especially those of the same generation.

What does the test NOT do?

The tests are conducted on DNA sections that have no known purpose in determining an individual's characteristics. None of the results involve genetic diseases or their detection. Participants should be aware that uploading these results to other web sites may expose them to examination by law enforcement and that FamilyTree has, in response to search warrants, sometimes shared results with law enforcement authorities.

For further information about the MacRae DNA Project:

Website: www.familytreedna.com; click on "Projects," then on "Y-DNA Surname Projects" and find the MacRae/McRae project. Or, if you like, you can enter <http://www.familytreedna.com/group-join.aspx?Group=McRae> into your browser's address window.

At this location, you can find information about the project's results to date, as well as information about pricing and obtaining the test kit.

Project Administrators:

Any of the three following individuals will be pleased to give you more information about the project. All three are members of the Clan MacRae Society.

Project Administrators:

Alice Fairhurst, alicefairhurst@gmail.com

Larry McRae - mcraelt@gmail.com

Bruce McRae - brucewaynemcrae@gmail.com