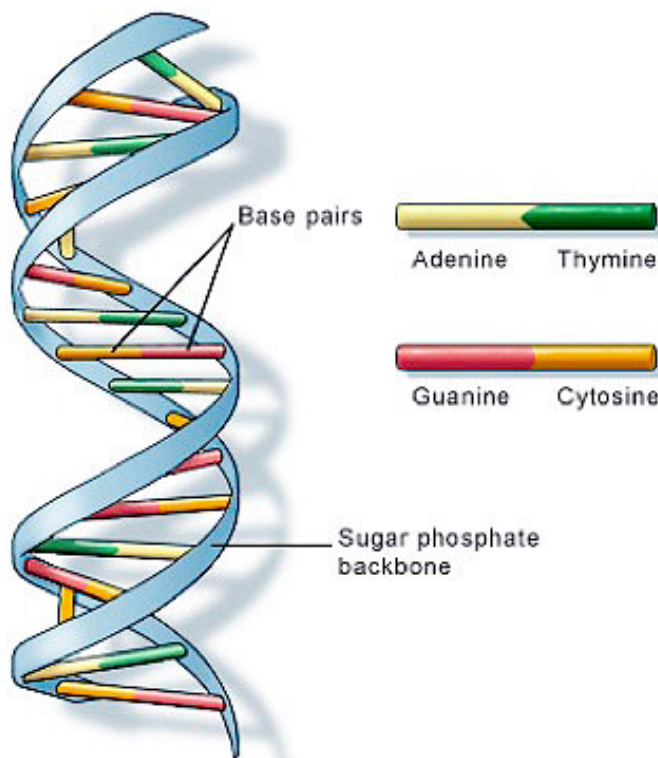


TCA DNA PROJECT - REVISITED

by Robert M. Turnbull

A little over a year ago, the Turnbull Clan DNA project was started and we thought this was a good time to give an update to members on the progress and to answer some frequently asked questions about the project and the results.

To date, we have 29 participants including, and open to, the following surnames (Septs): Tremble, Trimbel, Trimble, Trumble, Trumbull, Turnbole and of course Turnbull.



U.S. National Library of Medicine

The project was started to:

1. Help "Turnbulls" find their shared heritage
2. Identify how different Turnbull families are connected genetically
3. Identify and confirm genetic Lineages of ancestral families
4. Participating in the project provides:

A chance to compare your genetic ancestry with those of other Turnbulls and the other spelling variations

The knowledge to understand our ancestors better - particularly where the records have been lost or little is known

Before going to much further, I thought it might be good to give a short lesson in DNA biology.

DNA (Deoxyribonucleic acid) is the substance of inheritance. It is what the bulk of your chromosomes are made of. Hereditary information is encoded in the chemical language of DNA and reproduced in all the cells of your body. It is the DNA program that directs the development of many different types of traits.

- Each of us has 23 pairs of chromosomes in each of our cells (with a few exceptions), 23 having been

donated by our mother (egg) and 23 having been donated by our father (sperm)

- Our sex is determined by 2 "sex" chromosomes (the 23rd pair)
- A female has 2 "X" chromosomes (XX)
- A male has an "X" and a "Y" (XY)
- The father determines the sex of the offspring as the mother will always donate (in the egg) an "X" chromosome and the father can donate either an "X" or a "Y" (with equal probability) in the sperm.
- It is the information on the "Y" chromosome that we are using in our project
- It is the "Y" chromosome that is passed from father to son down through the generations, this is why our project is open only to "Turnbull" men.
- By looking at certain "markers" on the "Y" chromosome (I won't overwhelm/bore/confuse you with the technology involved), relatedness can be determined. (continued on page 4)

From the Editor



About twice a year I take over the "From the President" column to communicate with our readers, but not to worry - Wally will be back to greet you all in 2009 - which is proving to be a "monumental" year for the Turnbull Clan.

I would like to take this opportunity to thank all of you for your contributions this past year - photos, stories, columns, and ideas. It is always more fun to put together an issue with contributions from you, the readers. And that brings me to my next thank you. Thank you for reading! Your comments (praise and constructive) mean a lot to us. They help us - hopefully - do a better job with each issue and they encourage us to keep going.

With that said, we need you. We need to have your input and we need your ideas, photos and articles. If you enjoy writing but don't get to do much of it, we welcome stories that would be of interest to the Turnbull Clan. (Anyone want to write a series on Robert the Bruce - the King we saved?) Send photos via email or post (see below) of family events, special vacations, or other activities that you would like to share.

This is your newsletter - the more personal you make it the more there is to enjoy together.

The "Find the Bullseye" this year was very well received. This is your last issue to be the first to find it. Don't give up several of you have been second by only seconds!

And don't forget to renew your membership. 2009 is NOT the year to have your membership lapse. It looks like it could just be the year of the decade for the Turnbull Clan. To keep up with activities be sure to check www.turnbullclan.com periodically. See page 4 for renewal information. With wishes for a very blessed Holiday Season to all of you. Keep Reading...

Betty Turnbull

BULLSEYE

The Bullseye, a Turnbull Clan Association (TCA) newsletter is published ten times a year at: 5216 Tahoe Dr. Durham, NC 27713 U.S.A.

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Turnbull Clan Association

Officers: Wally Turnbull, President • Brian Turnbull, Vice-President

Janet Turnbull Schwierking, Secretary • William Trimble, Treasurer

Founders: John F. Turnbull, Scotland • Dorothy Berk, USA

Trustees: Keith Turnbull, Lee Turnbull, Corey Turnbull, Kim Trimble, Sarah Turnbull Snow, Scott Turnbull, Dana Hume Turnbull Hoyer, George B. Turnbull, Brian P. Turnbull, Mark A. Turnbull, Sandy Turnbull

Meet the Family

Meet David Turnbole of Parish, New York

"I retired from the automobile industry in 1990. I have been doing graphic art work as a hobby and to earn some extra money for my "toys." I recently sold my '74 Cadillac Eldorado and I have an '05 PT Cruiser Turbo convertible I take to PT shows. I also recently purchased a '41 Dodge pickup to restore."

David and a friend from Liverpool, NY have an online role playing game called Castle o' th' Moors RPG, Kingdom 'f Solurius. They have approximately 60 members from all across the United States playing. The name of David's character is King Byron Meldrum III (and he says "Yes, I am the KING!"). The game is modeled after 15th century Scotland. The game began 13 years ago and is the longest running full time role playing game on AOL.



David Turnbole "King Byron Meldrum with the "Queen of Solurius" at the Pennsylvania Renaissance Faire

David has two daughters, Samantha and Katherine. Katherine works at Syracuse University and is also involved in the Solurius role playing. Daughter Samantha is mother to 3 year old Benjamin and 4 month old Abigail (photo page 5).

Alice Seymour/Turnbole/Rhode, the family Matriarch continues to drive herself to church and shopping while enjoying her 30th year of retirement at the age of 92 in December.

Turnbulls and Beyond... A Tour of the Scottish Borders

Editor's note: This tour begins with the Turning of the Bull monument unveiling at the Hawick Heritage Hub in Hawick, Scotland, 18 July 2009 and ends with The Gathering in Edinburgh. Hawick is located in the center of historic Turnbull territory in the Borders of Scotland.

The tour director (and founder of Smeddum Ltd.), Alastair Cranston has considerable knowledge of the Borders, Scottish history and Turnbull landmarks. This tour is a chance to walk among the fields once occupied by your ancestors and discover what makes today's Borders so enchanting. Space is limited and Alastair is asking that you let him know by 20 January 2009 if you are interested in participating.

Turnbull Clan Association (TCA) Tour Proposal Sat 18th to Sun 26th July 2009

- | | |
|--------------|--|
| 18 Saturday | Turning of the Bull Statue unveiling
Hawick Heritage Hub followed by
Dinner and celebrations as arranged by
Turnbull Clan Association |
| 19 Sunday | Tour Start in morning at Bedrule Kirk
(with possible Sunday service)
Lunch at Cross Keys Inn, Denholm
Short Coach Tour via Fulton Tower
Carter Bar - English-Scottish Border |
| 20 Monday | Tour of Hawick, Heritage Hub,
Wilton Park Museum
Hawick Cashmere
Lunch at Hawick Golf Club
Minto – walk to Fatlips Castle |
| 21 Tuesday | Jedburgh, Abbey, Queen Mary's House
Lunch at Buccleuch Arms Hotel
(St. Boswells)
Lochcarron Tartans Factory, Selkirk |
| 22 Wednesday | Abbotsford, Scotts View
Lunch at No 26, Melrose
Melrose, walkabout, Abbey |
| 23 Thursday | Depart Borders for Edinburgh
via Glenkinchie Whisky Distillery
near Haddington
Book in Edinburgh Hotel(s) in evening |
| 24 Friday | Edinburgh Tours - Bus Tour, Castle,
Holyrood, Royal Mile, Princes Street |
| 25 Saturday | The Clans Gathering, Day One |
| 26 Sunday | The Clans Gathering, Day Two
Tour Close in evening |

The cost of the tour will be determined by Smeddum Ltd. based upon the number of interested participants. (Transportation is a major expense. Cost for the Coach travel depends upon the size of Coach required.) This cost will be published in the February 2009 Bullseye as well as communicated to those who have expressed an interest.

Participants interested in being part of the TCA Tour can request Smeddum Ltd to assist in arranging accommodation covering all or part of period from Friday night 17 July 2009 through Thursday morning 23 July 2009 (or any part thereof) This accommodation will be in the Borders and will either be in/near Hawick - or in/near Melrose where recommended choices are Burts, Townhouse (Melrose) and Dryburgh Abbey, Buccleuch Arms (St Boswells)

During the TCA Borders portion of the tour (from Sunday am 19th through Thursday am 23rd) a Quality Coach (with toilet) will pick up and drop off tour members morning and night covering Melrose, St. Boswells, Denholm and Hawick. First and last stops will vary depending on the day's programme and coach route(s) taken.

Smeddum Ltd can assist with accommodation booking in Edinburgh from Thursday evening 23rd to Monday morning 27th (and beyond if required) covering participation at Clans Gathering the weekend of the 25th and 26th July 2009.

All accommodation arrangement assistance is optional and in all cases, participants will handle their own bill(s) apart from the tour cost. (Cost of accommodations will be confirmed with each individual before booking.)

A Smeddum Tour Liason will be on coach and with party during all day time activities and selectively in the evenings.

If you are interested in this tour, please respond to editor@turnbullclan.com or alastair@borders.demon.co.uk before 20 January 2009. While interest in the tour is in no way an obligation, participants for the limited number of places will be selected based on first come first serve. It is recommended that you place your name on the list if you are interested at this time.



SMEDDUM Ltd

Alastair G Cranston BSc NSch
Roanoke, Netherlaw, Lilliesleaf, Melrose, TD6 9EP
Scotland
Telephone/fax (+44) 1835 870350

Environmental, Tourism and Sports Agency

The Turnbull DNA Project Update

(continued from page 1)

What do the Results Mean?

As with any scientific test, the more data you have the more confidence you can have in the analysis of that data. For the DNA project the more markers you choose to be analyzed, the greater the probability of relatedness can be determined.

According to Family Tree DNA (the company we are using):

All genetic tests from Family Tree DNA will provide you a probability that you and another person, who have an exact match, will have your Most Recent Common Ancestor (MRCA) within a range of time backwards. The 12 marker test gives you the following range: 7 generations (50%) likelihood & 29 generations (95%) likelihood. Using the 25 marker test the 50% likelihood drops to 3 generations and the 95% to 13 generations. The 37-marker test tightens further to 2 generations (50%) and the 95% to 7 generations

So again, adding additional markers increases the precision of the test.

Below is an example of a results page similar to the one for our project (ours is too large to post here). For each DYS# (marker chosen), the identical indicate a match numbers (for example A, B, and C match exactly on all the markers listed with the exception that C is different at the third marker (19)).

	DYS#																												
ID#	3	3	1	3	3	3	4	3	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	9	9	9	9	8	8	2	8	3	8	9	9	8	5	5	5	5	5	4	3	4	4	4	4	4	4	4	4	4
	3	0	*	1	5	5	6	8	9	i	ii		8	9	9	9	5	4	7	7	8	9	9	9	9	9	9	9	9
					a	b								a	b														
A	13	26	13	12	12	14	12	12	11	13	13	29																	
B	13	26	13	12	12	14	12	12	11	13	13	29																	
C	13	26	14	12	12	14	12	12	11	13	13	29																	
D	12	24	14	11	11	15	12	12	12	13	13	29	15	10	10	11	11	26	15	19	30	14	15	17	18	12	11	18	23
E	12	24	14	11	11	15	12	12	12	13	13	29	15	10	10	11	11	26	15	19	30	14	15	17	18	12	11	18	23
F	12	24	14	11	11	14	12	12	12	13	13	29	15	10	10	11	11	26	15	19	30	14	15	17	18	12	11	18	23
G	12	24	14	11	11	13	12	12	12	13	13	29	15	10	10	11	11	26	15	19	29	14	15	17	18	12	11	18	23
H	12	24	14	11	11	13	12	12	12	13	13	29	15	9	10	11	11	25	15	19	29	14	15	17	18	12	11	18	23

To see the Turnbull/Trimble DNA results page go to:
<http://www.worldfamilies.net/surnames/turnbull/results>

In conclusion, while the DNA test will tell you whom you are related to, and within what time frame, it will not tell you where that relatedness lies. You must find the paper trail to that most common recent ancestor that you share.

Of course, that's where the fun is!

Editor's note: TCA encourages you to have your DNA tested and become part of the growing family tree. Note the special discounts between now and December 31 (to the right). It really is fascinating to see just who is related. Apparently, the officers Wally Turnbull, Brian Turnbull and Bill Trimble are "cousins!"

Renewal Time Again! It's that time of year to renew your membership in TCA© (\$24.00 - Spouse/students \$10). Remember this is an exciting time for TCA. Don't miss out! You renew online at www.turnbullclan.com or via check to:

Janet Schwierking
 2020 Schuettig Rd.
 Poteet TX USA 78065-4120

For a limited time only, Family Tree DNA is offering discounted testing. "In keeping with our end-of-the-year tradition, effective November 26th, 2008 we'll institute special pricing at Family Tree DNA for your new-kit-purchasing participants.

The products that will be offered at the special prices are:

Y-DNA37	\$119
Y-DNA37+mtDNAPlus	\$199
Y-DNA67	\$218
Y-DNA67+mtDNAPlus	\$308
mtDNAPlus	\$139
Full Genomic mtDNA	\$395
SuperDNA	\$613

This offer is good until December 31st, 2008 for kits ordered and paid for by that time.

<http://www.FamilyTreeDNA.com>
 713-868-1438

The Clan Photo Album



TURNBULL/PARR WEDDING

On the 18th of July 2008 St. Wilfrid's Church, Mobberley, Cheshire U.K

John Andrew Bruce Turnbull married Joanne Parr. Above: John with his wife Jo, to his right his father Ian, sisters Heather Turner and Hilary Preston and his mother Olive and to his left his brother Stewart Turnbull and sister Jeanette Silvester

Below right: 80th BIRTHDAY 25th September 2008 of member Ian Stewart Turnbull from Wilmslow Cheshire UK. Ian was born in Calcutta, India to Ian Stewart Christie Turnbull and Kathleen Boucher and moved with his parents and siblings to UK in 1947. He is married to Olive and they have two sons Stewart and John and three daughters Jeanette, Heather and Hilary. Ian celebrated his birthday with his wife and their children, grandchildren and great grandchildren at their home in Wilmslow Cheshire.

Below: Ian with one of his daughters Hilary



Samantha Jean (Turnbole) Meier with 3 year old Benjamin Turnbole Meier, 4 month old Abigail Meldrum Meier. Her middle name of Meldrum is the maiden name of Samantha's maternal grandmother. Meldrum House and Old Meldrum along with Fyvie Castle are a link to Scotland.



Right: Nessie?? TCA member Keith Turnbull says the proof is in the photo! You decide...





Christmas trails, what might we find? "Is blianach Nollaid gun sneachd."**



Christmas was often known as Nollaig Beag, Little Christmas. The custom was to celebrate the Birth of Christ with all solemnity, the festivities began a few days later, and spilled into New Year and Twelfth Night, which was known as "Little Christmas." However,

the French often called Christmas colloquially, 'Homme est né' (Man is Born) which is thought by some scholars to be the origin of the word, 'Hogmanay,' steaming from the time of the 'Auld Alliance.'

After the Church Reformation in the 16th century, the celebration of Christmas was frowned on by the Kirk, which regarded it as a "Popish festival." Mass was banned in Scotland at that time and "Christmas" or "Christ's Mass" was included in that. There are records of charges being brought against people for keeping "Yule" as it was called in Scotland.

Amazingly, this dour, joy-crushing attitude lasted for 400 years. Until the 1960s, Christmas Day was a normal working day for most people in Scotland. So if there is a specifically "Scottish" aspect to it, it is that it was not celebrated.

Most of our "traditional" celebrations (other than the religious festival) originated in the 19th century (Prince Albert, Queen Victoria's husband, had a lot to do with it!) and so England and Scotland developed the same traditions from around that time - trees, decorations, Santa Claus, presents, stockings at the end of the bed, Carols, cards etc. Cards are said to have been invented in Edinburgh in the mid nineteenth century,

SOME CUSTOMS & BELIEFS ASSOCIATED WITH SCOTTISH CHRISTMAS

(Detective Note: We have to have something to do with bulls of course!)

The Candlemas Bull was in reality a cloud. It was believed that a bull would cross the sky in the form of a cloud,

Last Chance!



Find the ☉ and win a box of Bulls-Eyes caramels! Tell me the page number, article and paragraph where the bullseye appears:
editor@turnbullclan.com

And the Winner is...
Kathy Trimble Chase
Congratulations!

La Breith Sona! Happy Birthday!



Lesley Gatt, Henry Parham, Allsion O'Conner-Fenton, Allan Trimble, Kenneth G. Turnbull, David Hunt, Brian A. Turnbull, Glenice Biernat, Therese Chavaux Turnbull, Jonathan Trumbull Huntington II, Dorothy J. Trimble, John Turnbull, Anthony P. Turnbull, Ned Dairiki, James R. Trimble, Vivian Turnbull, Chaye Oliver, Nicholas Grant, Mary C. Turnbull, Jean Turnbull, Dana Hume Turnbull-Hoyer, Anne P. Turn-

bull, Elizabeth Grason Cohen, Frankie James, Timothy Nelson, Muriel White, Walter S. Turnbull Jr., Thomas S. Turnbull, and Arlene Trombley

early on the morning on Candlemas, February 2nd. From its appearance people would divine. An East travelling cloud foretold a good year, south meant a poor grain year, but if it faced to the west the year would be poor. This custom was a remnant of the ancient Mithraic religion, when the Bull-god would come at the start of Spring to warn of the year the farmers could expect.

CANDLELIGHT

All of the Celtic countries have a similar custom of lighting a candle to light the way of a stranger.

In Scotland was the Oidche Choinnle, or Night of Candles. Candles were placed in every window to light the way for the Holy Family on Eve and First Footers on New Years Eve. Shopkeepers gave their customers Yule Candles as a symbol of goodwill wishing them a 'Fire to warm you by, and a light to guide you.'

*Christmas without snow is poor fare.

Various sources: www.archives.com/scotland.html
rampantscotland.com

Until the next "aha,"

A Clan Detective