

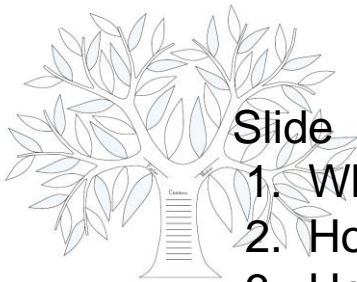
S. C. S. Computer / Genealogy Class SIG  
Thursday, September 14, 2017, 10:00 a.m.  
*Karen Ristic*

**Your Ancestry.com  
Autosomal DNA Matches:  
A Review and What's New**



&





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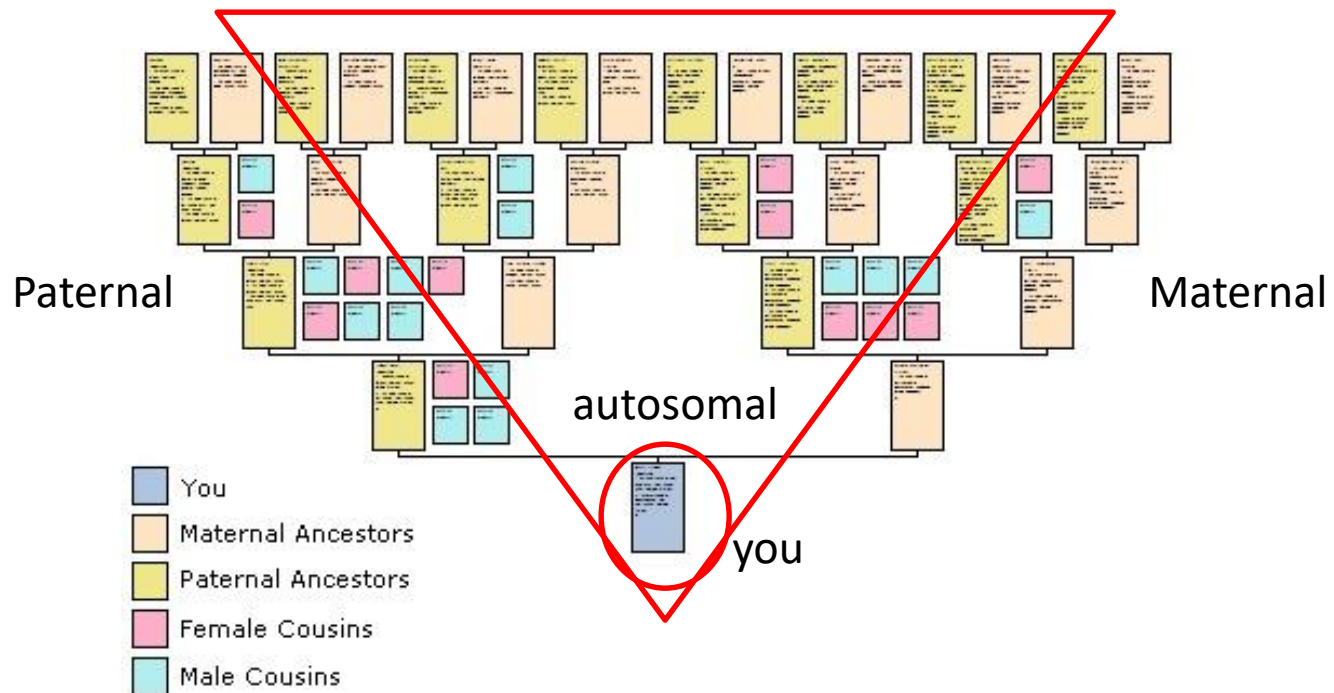
## Slide

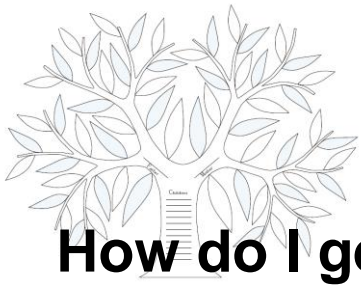
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# 1. What is Autosomal DNA (AtDNA)?

We all have DNA. It's the genetic code that tells your body how to build you. **You inherit half of your DNA from each parent: 50% from Mom and 50% from Dad, though exactly which DNA gets passed down is random.** Because your parents inherited their DNA in the same way from their parents, your DNA is made up of pieces of DNA passed down from your ancestors going back generations.





## 2. How Do I Get An Ancestry DNA Test?

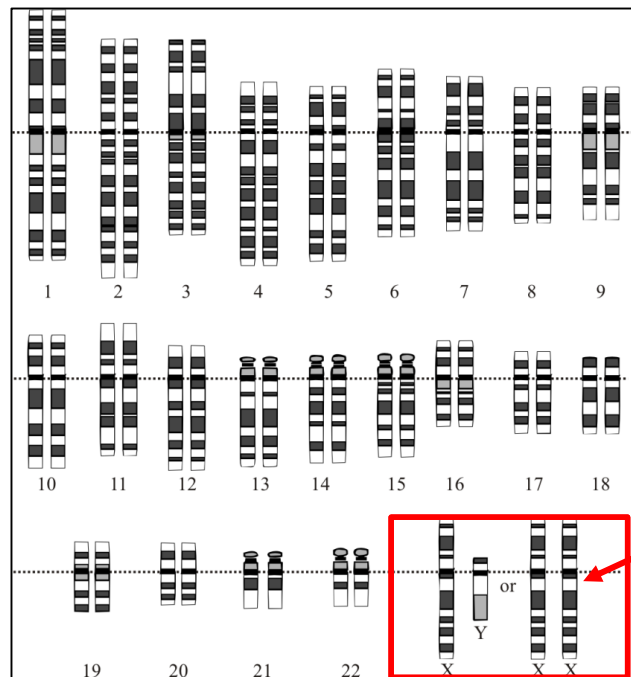
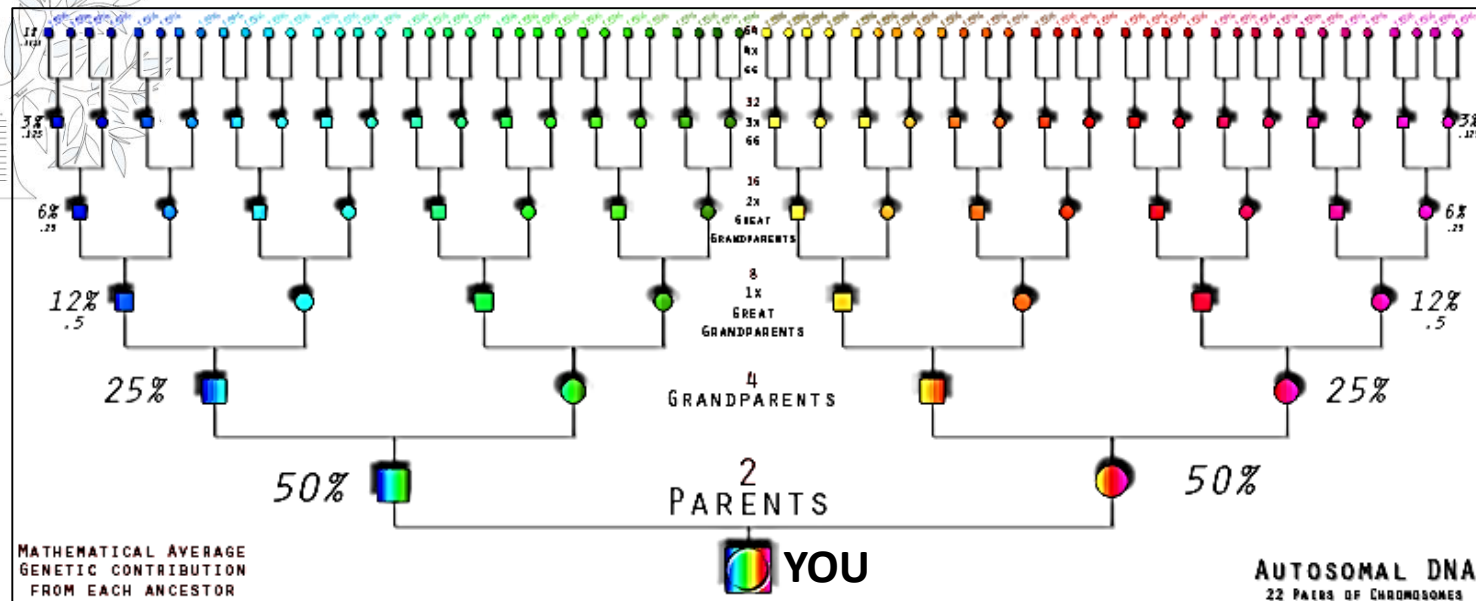
### How do I get an AncestryDNA test?

- To order a test, (currently \$99.00) (sometimes there are discounts). Go to **[www.ancestrydna.com](http://www.ancestrydna.com)** and click the **Get Ancestry DNA** button. Then follow the simple steps to order your AncestryDNA test.

### How do I take the test?

- All you need for an AncestryDNA test is a small saliva sample. Your test kit will arrive in the mail with everything you need, including a prepaid mailer to return your sample to our lab. The test has four easy steps:
  1. **Activate your test online**
  2. **Collect your DNA sample.**
  3. **Write down the numbers on the tube/box**
  4. **Mail in your sample.**

### 3. How Do I Inherit Autosomal DNA (AtDNA)?

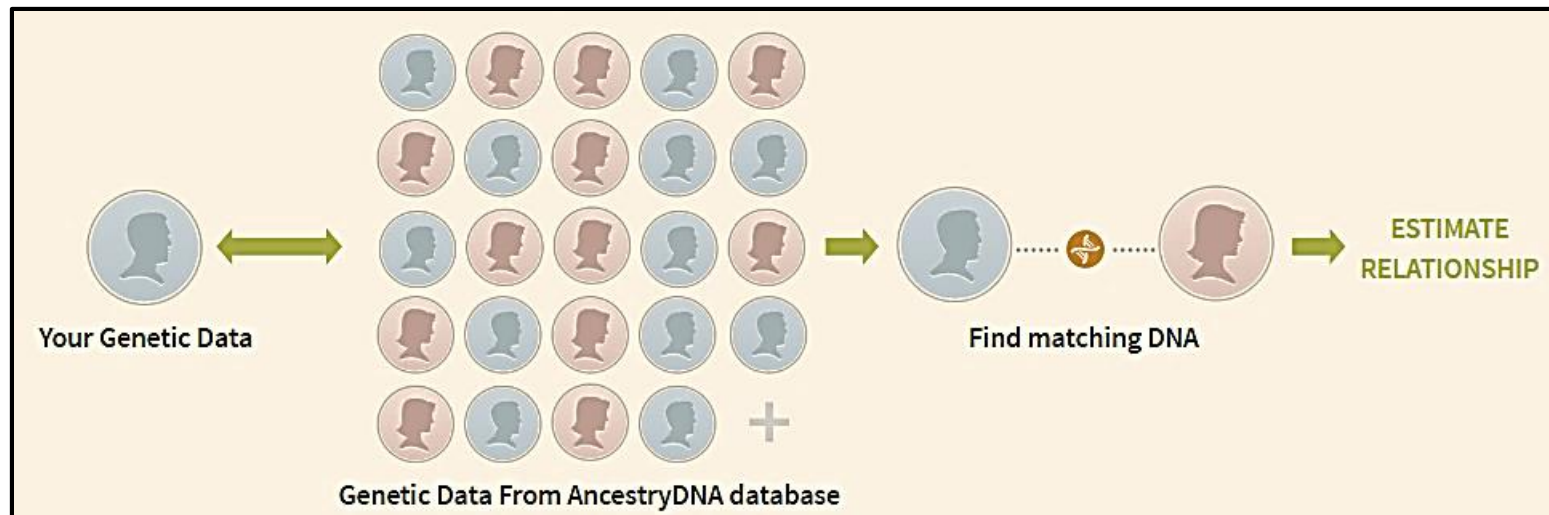


Autosomal DNA  
#1 to #22

Sex  
Chromosomes  
#23 (XX or XY)

## 4. What is DNA Matching?

- AncestryDNA member matching identifies other AncestryDNA members who might be related to you. They compare your DNA to the DNA of every other person in the AncestryDNA database, and based on how your DNA matches up, they estimate how closely you're related—whether you are siblings, first cousins, distant cousins, or not related at all.
- **Why it works.** Since every person inherited DNA from their parents, who inherited it from their parents, and so on, a person's DNA is made up of the DNA of their ancestors. If you and another person both have the same ancestor, there's a chance that you both inherited some of the same DNA.

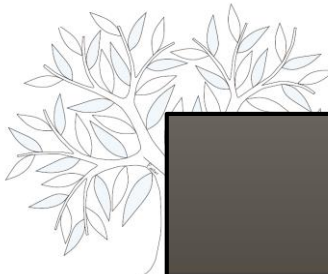







## 5. What's New in DNA Matching?

1. Ancestry has the largest consumer DNA database – 4 million people tested and growing—plus the millions of family trees contributed by Ancestry members and has improved the quality of your DNA matching results:
  1. More precise matching-They can identify DNA connections with a better level of precision and accuracy that was possible before
  2. More DNA matches – With the most recent update, they have added more than 900 million cousin connections for DNA customers and is growing all the time.
  3. Improved the confidence levels in estimating relationships by extending the comparison methods to potentially find longer segments of DNA shared between individuals.
2. With that many testers combined with the family trees they share are enabling new findings in the science of how we're all related. New methods and findings can continually predict who and how we're related.
3. AncestryDNA is available for purchase online at [dna.ancestry.com](https://dna.ancestry.com) and in four continents and [35 countries around the globe](#). With over 4 million DNA tests in our database, Ancestry is the largest provider of consumer genetic testing in the world.

## 6. What Will My Test Results Tell Me?




**Stephen John Fox**  
This test is shown to matches as S. F.  Linked to Stephen John FOX

**1** Genetic Ancestry 


Thousands of years ago


**Ethnicity Estimate**



- 45% Great Britain
- 39% Europe West
- 16% Other regions


Hundreds of years ago


**Genetic Communities™** 


 View your 2 Genetic Communities


What is a Genetic Community?


**VIEW YOUR GENETIC ANCESTRY**

**2** DNA Matches 





 43 Shared Ancestor Hints

 0 Starred matches


 210 4th cousins or closer

**VIEW ALL DNA MATCHES**

**3** DNA Circles **11** 




Confidence: Strong

 **Sally Janette NICHOLS DNA Circle**


3rd Great-Grandmother

**21 MEMBERS**

**VIEW ALL DNA CIRCLES**

**NEW ANCESTOR DISCOVERIES** **BETA** **4** 

These are potential new ancestors or relatives who are not already in your family tree (Fox4Ancestry)



# 7. Your Test Results Will Give You a List of Your DNA Matches

**AncestryDNA Results for Stephen John Fox**



Sort by: Relationship | Date



Filters: **HINTS** NEW STARRED GENETIC COMMUNITIES



1 of 204



SEARCH MATCHES



**2ND COUSIN**


★  **Russeline1**  
Possible range: 1st - 2nd cousins ⓘ  
Confidence: Extremely High   
Last logged in Mar 19, 2017


★  **GaryLindsay3003**  
Possible range: 1st - 2nd cousins ⓘ  
Confidence: Extremely High   
Last logged in Apr 7, 2017

★  **iharpst**  
Possible range: 2nd - 3rd cousins ⓘ  
Confidence: Extremely High   
Last logged in yesterday

★  **greg04221**  
Possible range: 2nd - 3rd cousins ⓘ  
Confidence: Extremely High   
Last logged in 6 days ago

★  **B.M.** (administered by jonpmelvin)  
Possible range: 2nd - 3rd cousins ⓘ  
Confidence: Extremely High   
Last logged in Apr 12, 2017

14,631 people  **VIEW MATCH**

1,348 people  **VIEW MATCH**

No family tree **VIEW MATCH**

**DNA Matches**

43 Shared Ancestor Hints  
0 Starred matches  
210 4th cousins or closer

**VIEW ALL DNA MATCHES**

See next page for explanations of numbers

## 8. Understanding Your DNA Matches (explanation of previous slide)

1. **Sort By:** Sort by relationship or date entered in your list:
2. **Number of Matches:** Number of PAGES
3. **Filters:** Filters can help you manage and work through your DNA cousin matches  
**Hints** = leaves on the right and appear by the image of a family tree. I have found that if I check hints, it cuts down on the number of matches and the surnames in common increase dramatically. **Father or Mother** = Available only when a biological parent has also taken the test. **New** = Sorted by date received. **BLUE DOT** = indicates a new connection to investigate. Once you've reviewed this connection, the dot will go away. **Starred** = You can mark an interesting match to get back later. **Trash Can** = Removes a match from your list.
4. **NEW! Genetic Communities:** Click here and your list separates by genetic community. The list shrinks and grows with each Genetic Community.
5. **Family Tree size.** Lists how many people in their tree. If no tree, suggest they make one. Lets you view their tree if they have one.
6. **Question Mark:** Click on the question mark and it will list the predicted relationship by degrees.
7. **Last Logged In:** Last date the match has logged in
8. **Search Matches:** Search matches by surname and/or birth location. This is the most valuable search. Here you can search ALL of your matches and be sure to put include similar surnames. You can add a location with or without a surname. It will bring up all the matches that match and includes their tree that meet the criteria that you have put in.
9. **Confidence:** Is a number from 0% to 100% and is meant to help you identify which matches to focus on-the higher the confidence the more likely that they are more closely related to you. Best to begin with "Extremely High" to "High"

## 9. View Your Match

VIEW ALL DNA MATCHES

★  **K.R.**  
(administered by crhumphreys)  
Member since 2006, last logged in 2 days ago

SEND MESSAGE

### Amount of Shared DNA

36 centimorgans shared across 3 DNA segments

[What does this mean?](#)



Predicted relationship: 4th Cousins

Possible range: 4th - 6th cousins ([What does this mean?](#))

Confidence: High

Add note

PEDIGREE AND SURNAMES

SHARED MATCHES

MAP AND LOCATIONS

K.R.'s tree

2852 people

### SHARED SURNAMES

Direct ancestor surnames that appear in both K.R.'s tree and Karen Ristic's tree

DAVIS

ELLIS

NUNNALLY

Surnames (10 generation pedigree)

BIRINGER

1ST GEN

2ND GEN

3RD GEN

4TH GEN

5TH GEN

6TH GEN

7TH GEN

Albert REED

Albert REED

Frank Stephen REED

Josep

William CLAYTON

# 10. Some Other Match Results

No shared surnames

J.A.'s tree  
1,220 people

Predicted relationship: 3rd Cousins  
Possible range: 3rd - 4th cousins (What does this mean?)  
Confidence: Extremely High

SEND MESSAGE  
1 Messages

Ethnicity  
Regions: Great Britain, Europe West, Scandinavia, Ireland  
Trace Regions: Finland/Northwest Russia, Iberian Peninsula, Europe East

Pedigree and Surnames | Shared Matches | Map and Locations

VIEW FULL TREE

Surnames (10 generation pedigree)

- > Fosse 1
- > Abrahams 1
- > Abrams 5
- > Abrams Worth 1
- > Anderson 1
- > Brown 2
- > Divine 3
- > Fossil 1
- > Harris 1
- > Higdon 4

Visual tree showing lineage from Raymond Abrams (7th Gen) back to Fosse (1st Gen).

A pedigree listed with your common ancestors

K.R.'s tree  
4,941 people

Predicted relationship: 4th Cousins  
Possible range: 4th - 6th cousins (What does this mean?)  
Confidence: High

SEND MESSAGE

Ethnicity  
Regions: Europe West, Great Britain  
Trace Regions: Ireland, Scandinavia, Iberian Peninsula

Pedigree and Surnames | Shared Matches | Map and Locations

VIEW FULL TREE

Shared Ancestor Hint

According to your family tree, it looks like you have a shared ancestor. Review the info below to confirm the relationship. You can take this opportunity to get in touch, share stories and photos, or just say hello.

Shared Ancestor Hint

Joshua ELLIS  
3rd Great-Grandfather

Shared Surnames

Direct ancestor surnames that appear in both K.R.'s tree and Karen Ristic's tree

DAVIS ELLIS  
NUNNALLY ROYALL

Surnames (10 generation pedigree)

- > BIRINGER 1

Visual tree showing lineage from William Clayton (7th Gen) back to BIRINGER (1st Gen).

A tree with shared surnames

DennisDrake520's tree  
2,206 people

Predicted relationship: 3rd Cousins  
Possible range: 3rd - 4th cousins (What does this mean?)  
Confidence: Extremely High

SEND MESSAGE  
1 Messages

Ethnicity  
Regions: Great Britain, Europe West, Scandinavia, Ireland  
Trace Regions: Finland/Northwest Russia, Iberian Peninsula, Europe East

Pedigree and Surnames | Shared Matches | Map and Locations

VIEW FULL TREE

Shared Surnames

Direct ancestor surnames that appear in both DennisDrake520's tree and Karen Ristic's tree

EVANS MARSH  
WALKER WELLS



Surnames (10 generation pedigree)

- > BIRINGER 1

Visual tree showing lineage from William Clayton (7th Gen) back to BIRINGER (1st Gen).

# 11. What if Your Close Match Has No Tree?

## a. Search for an Unlinked Tree from the “View Match”



**S.S.** (managed by **bobsiebuhr**)

Possible range: 1st - 2nd cousins ?

Confidence: **Extremely High** i

Last logged in

**No family tree**

**VIEW MATCH**

**Amount of Shared DNA**

795 centimorgans shared across 27 DNA segments

[What does this mean?](#)

**PEDIGREE AND SURNAMES**

**SHARED MATCHES**

**MAP AND LOCATIONS**

**i** **bobsiebuhr** has not yet linked a family tree to their AncestryDNA results.

Your DNA results show that you may be related, and comparing family trees is the best way to find out exactly how. We've got a few tricks up our sleeves to make it easy—automatically showing the surnames, places and people that both family trees share in common.

You can ask this member to link a family tree so that you both can take advantage of all of these features.

**CONTACT BOBSIEBUHR**

In the meantime, you can preview any public family tree that this member has posted on Ancestry. But keep in mind, the “Home Person” specified for each public tree may or may not be the same person that your DNA test has matched you with—something to remember as you are investigating. Good luck!

Select a tree to preview... ▼

Select a tree to preview... ▼

Select a tree to preview...

Robert Siebuhr Family Tree

Siebuhr Family Tree

PREVIEW: S.S.'s tree  
11 people

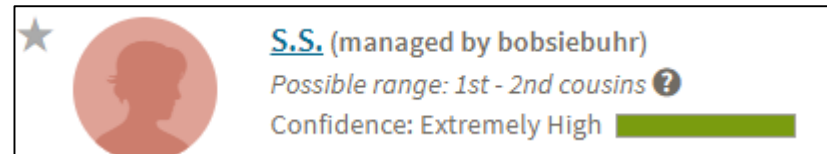
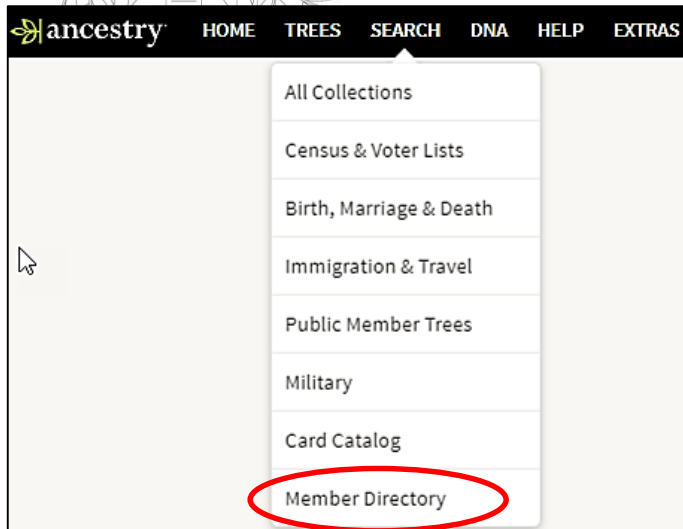
Surnames (10 generation pedigree)

> Siebuhr

1ST GEN	2ND GEN	3RD GEN	4TH GEN	5TH GEN	6TH GEN	7TH GEN
			Loren Siebuhr			
	Leon M Siebuhr					
		Hazel E Siebuhr				
Private						
	Bettie D. Siebuhr					

# 11. What if Your Close Match Has No Tree?

## b. Search for the Username in the Member Directory



### Member Directory

Find a specific member

**SEARCH**

Find members researching...

Surname...  
Location...  
Year...

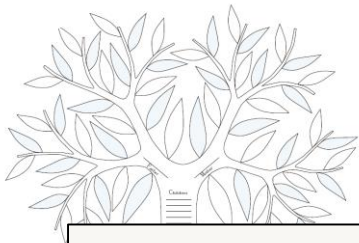
**SEARCH**

### Search results

User Name	Location	Member Since	Last Signed In
 sara siebuhr	Untied States	22 Oct 2009	Over a year ago

25 ▾ Results per page

< 1 of 1 >



## 11. What if Your Close Match Has No Tree?

### c. Look up the Person

**Sarah Aiko Siebuhr**  
in the California Birth Index, 1905-1995

Name:	Sarah Aiko Siebuhr
Birth Date:	9 Aug 1992
Gender:	Female
Mother's Maiden Name:	Hirose
Birth County:	Orange

**SAVE** ▼ Cancel

Many people have the same or similar username on different websites, so Google the username or part of it and the word *genealogy*. Or, look up the name on *Ancestry* and *FamilySearch*.

### d. OR. . . ASK

If the no-tree match is a close relative or could be key to your research, it may be worth writing to ask if the person can share some of her family names or has an online tree somewhere that you can look at.

Having gone through the above four steps to formulate a guess as to the relationship can help you write a better initial contact email.

The above four suggestions are from Diahan Southard, *Working With No-Tree DNA Matches*

## 12. Some Other Match Results: Maps and Locations

PEDIGREE AND SURNAMES SHARED MATCHES MAP AND LOCATIONS

### SHARED BIRTH LOCATIONS


Birth locations that appear in both K.R.'s tree and Karen Ristic's tree

England  
Germany  
Ireland  
USA, Connecticut, New London, Groton  
USA, Connecticut, New London, New London  
USA, Kentucky  
USA, New York  
USA, Virginia  
USA, Virginia, Henrico



Birth Locations (Expand all)	People
> ( Unspecified country )	3
> Austria	1
> England	6
> France	1
> Germany	11
> Ireland	4

## 13. Have a MATCH! Now What???



**Set up a process for your autosomal DNA project.** To determine Common Ancestors you have to share ancestry info with your DNA Matches – you'll be sending (and receiving) emails and messages. You'll want to keep track of what you do.

### **Before Contacting atDNA Matches:**

- 1) Test parents, siblings, other close relatives; also, if possible, test 2nd and 3rd cousins
- 2) Document your tree with good sources, proving each generation
- 3) Create a GEDCOM file from your genealogy program (Family Tree Maker) to share and upload to the testing company, or a website
- 4) Add all names, dates, locations, and descendants for at least 8 generations; add more than direct line ancestors
- 5) Create an email introducing yourself, letting the match know where to find your tree
- 6) Download atDNA matches list and additional information (see spreadsheet)

### **Your atDNA Match Contacted You**

- 1) Share the tree information you created...or madly create it now
- 2) Review the match from your contact
- 3) Compare surnames AND locations to narrow your results
- 4) Share personal emails, address, and phone numbers, where desired
- 5) If a known cousin matches, share the appropriate section of your pedigree chart

### **Contacting Your atDNA Matches**

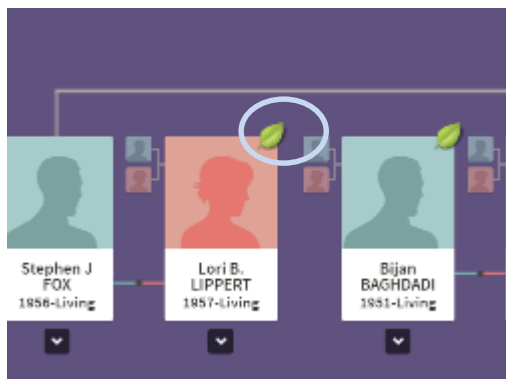
- 1) Email closest matches first (largest cMs; not total)
- 2) Beginners work with 15 cMs and higher; Intermediates with 7 cMs; Experts with 5 cMs
- 3) Share GEDCOM with names, dates, locations on all the descendants you can locate.



Tree hint

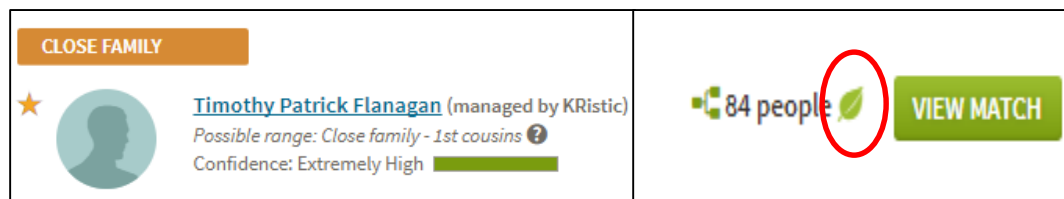
# 14. Some More Tips

Know the difference between a tree hint and a DNA hint



AND

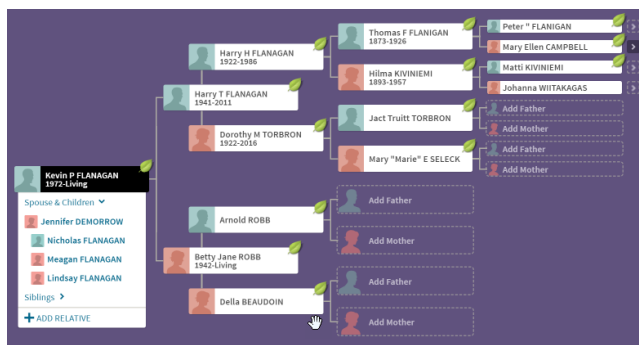
DNA hint



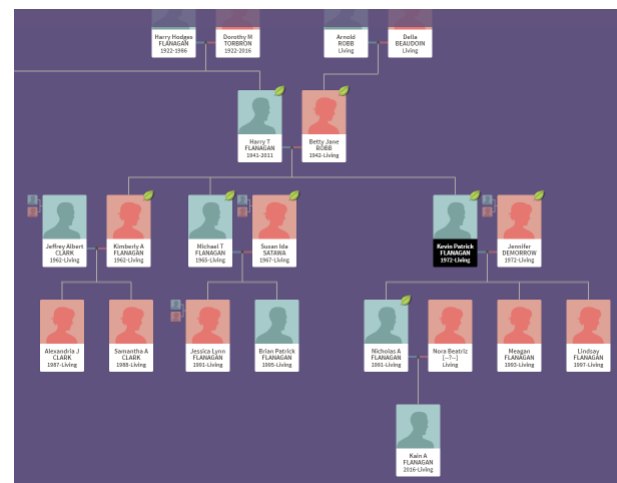
Which tree do you like?

Vertical

Horizontal

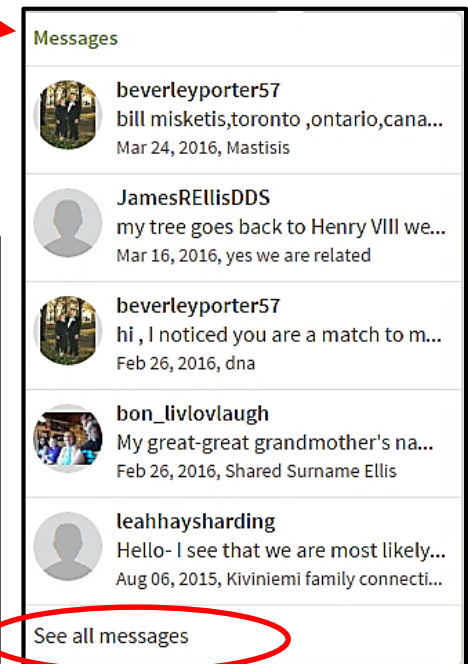
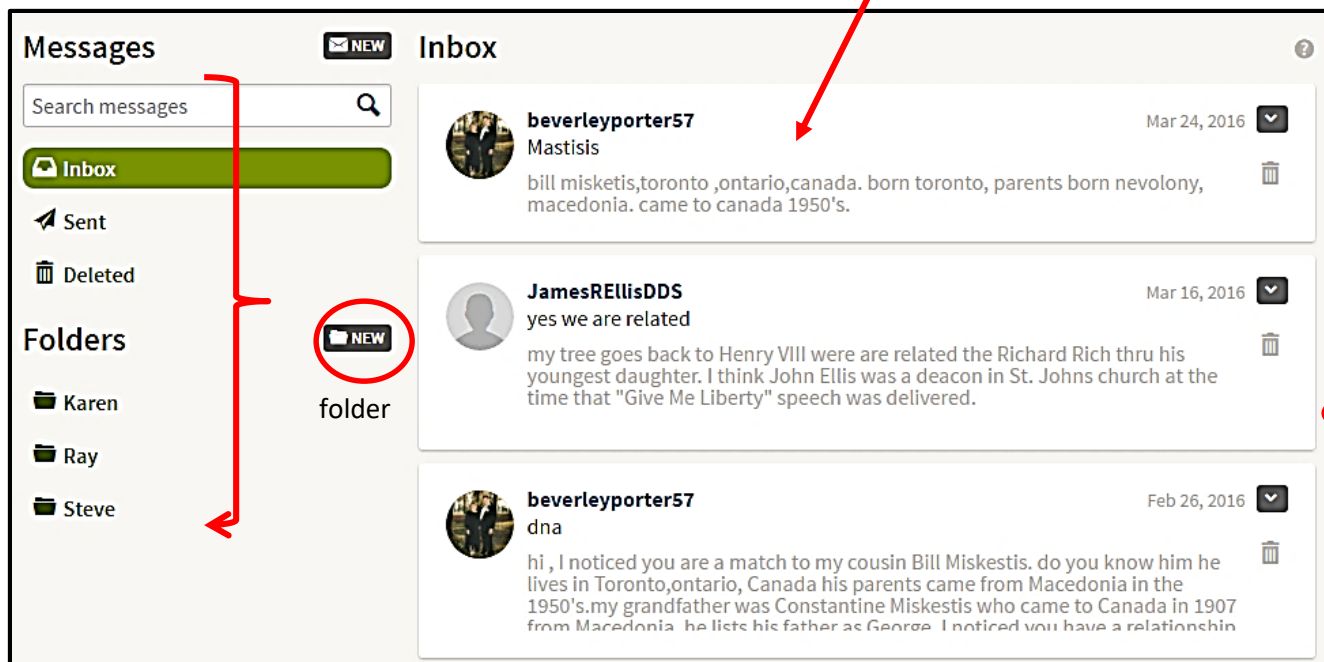


OR



## 15. Messages You Sent and Received

1. In the upper right corner of your Ancestry account, click on the envelope.
2. The list of emails, sent and received pop down. Click on "See all messages"
3. Here, you can search messages, look for sent messages, delete messages, and create folders to store certain messages.

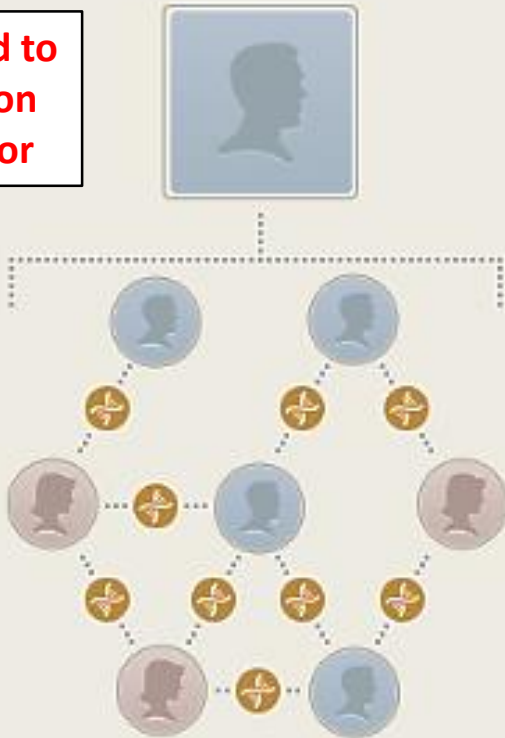


## 16. What Are Circles? (beta)

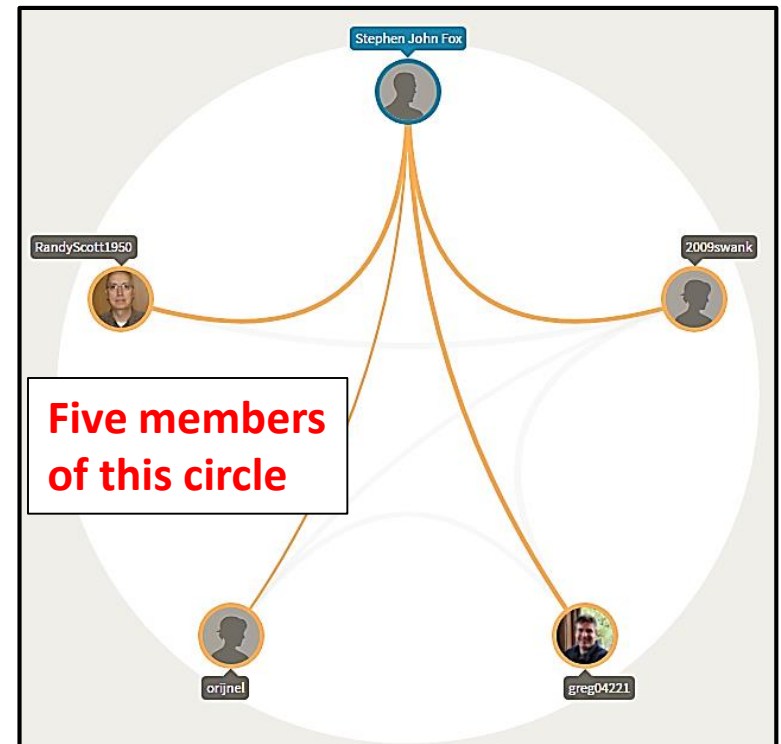
Ancestry DNA offers a tool called DNA Circles which is a group of at least three individuals that share a common ancestor in their public family tree at Ancestry, and each member shares a segment of DNA identical with at least one other person in the circles. A DNA Circle requires at least three “family groups,” each of which is made up of anyone that is related at a level of first cousin once removed (1C1R) or closer

**Related to  
Common  
Ancestor**

**Related to  
Others  
through  
DNA**

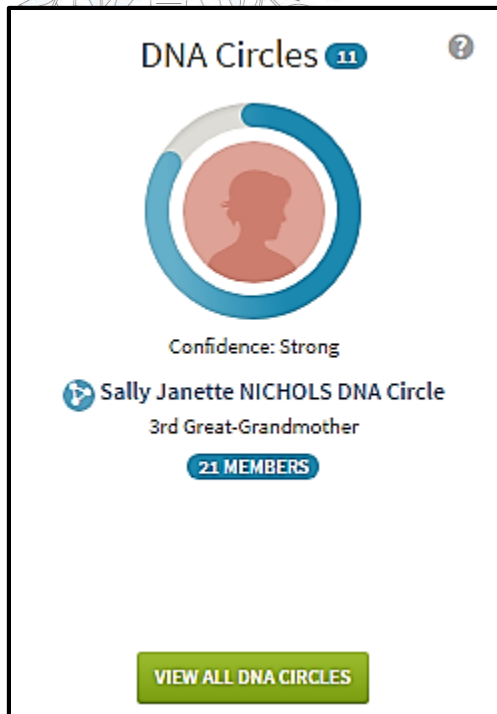


**Five members  
of this circle**



# 17. DNA Circle Examples

On the home screen



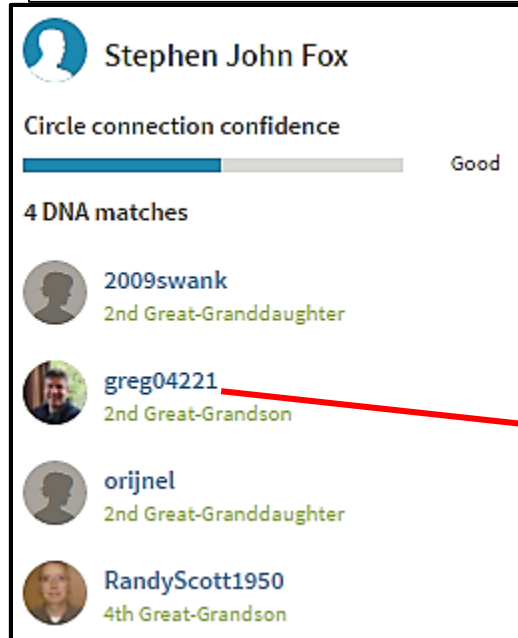
DNA Circles **11**

Confidence: Strong

**Sally Janette NICHOLS DNA Circle**  
3rd Great-Grandmother  
**21 MEMBERS**

[VIEW ALL DNA CIRCLES](#)

Members of Circle related To Stephen



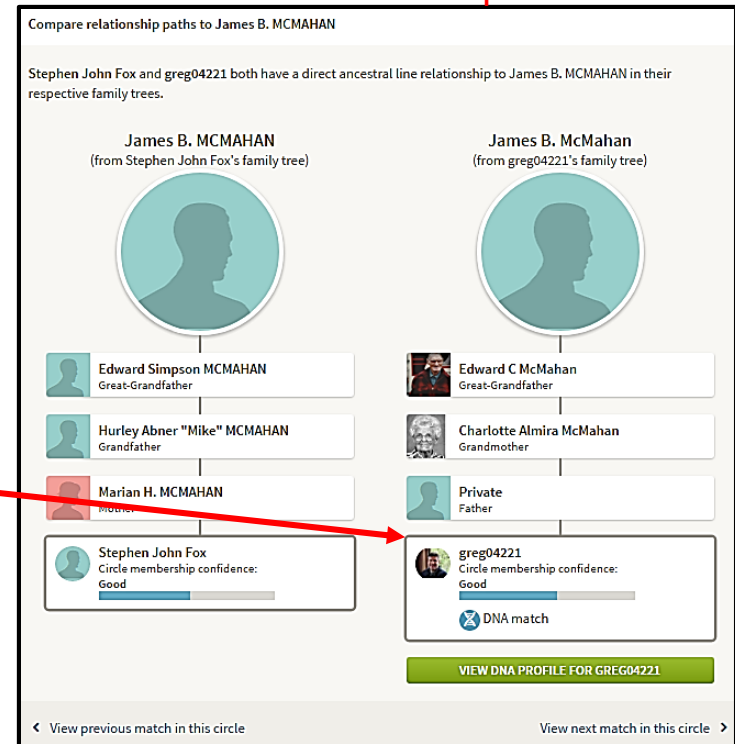
**Stephen John Fox**

Circle connection confidence  
Good

4 DNA matches

- 2009swank  
2nd Great-Granddaughter
- greg04221  
2nd Great-Grandson
- orijnel  
2nd Great-Granddaughter
- RandyScott1950  
4th Great-Grandson

Shows how greg04221 is related to Stephen



Compare relationship paths to James B. MCMAHAN

Stephen John Fox and greg04221 both have a direct ancestral line relationship to James B. MCMAHAN in their respective family trees.

**James B. MCMAHAN**  
(from Stephen John Fox's family tree)

**James B. McMahan**  
(from greg04221's family tree)

Edward Simpson MCMAHAN  
Great-Grandfather

Hurley Abner "Mike" MCMAHAN  
Grandfather

Marian H. MCMAHAN  
Mother

Stephen John Fox  
Circle membership confidence: Good

Edward C. McMahan  
Great-Grandfather

Charlotte Almira McMahan  
Grandmother

Private  
Father

greg04221  
Circle membership confidence: Good  
DNA match

[VIEW DNA PROFILE FOR GREG04221](#)

[View previous match in this circle](#) [View next match in this circle](#)

DNA evidence shows you're likely a descendant of Sally Janette NICHOLS because you are part of her DNA Circle, which includes 21 of her probable descendants.

Who is in a DNA Circle?

- ✓ Circle members share DNA with other members of the circle.
- ✓ Circle members all have family tree evidence that they are direct descendants of Sally Janette NICHOLS.
- ✓ Your DNA matches some or all members of this DNA Circle.

## 18. New Ancestor Discoveries

### NEW ANCESTOR DISCOVERIES BETA

These are potential new ancestors or relatives who are not already in your family tree (Fox4Ancestry)



Solomon B Clark  
(1826-1875)

### Stephen John Fox could be related to Solomon B Clark

DNA evidence suggests that Stephen John Fox is related to a group of Solomon B Clark descendants. And because his DNA matches people in the group, there's a good chance he's also related to Solomon B Clark.



Solomon B Clark  
(1826 - 1875)



DNA CIRCLE:  
Solomon B Clark's  
descendants  
9 members • 5 matches

When Solomon B Clark was born on February 22, 1826, in Portland, New York, his father, John, was 31 and his mother, Rebecca, was 28. He married Diantha Gertrude Fitch and they had 12 children together. He also had one daughter from another relationship. He died in 1875 in Webster, South Dakota, at the age of 49.



Using DNA evidence and family trees, we've created a DNA Circle of probable descendants of Solomon B Clark. Stephen John Fox matches 5 of 9 members.

[SEE HIS CONNECTION](#)

[LEARN ABOUT SOLOMON B CLARK](#)

# 19. NEW: Your Own Ancestry.com Account Test Settings



 We've updated how you can give others access to your DNA test results. [Check out what's new.](#) 

1

## Email Settings for Stephen John Fox

Receive emails about new findings in your DNA results

☒ Weekly ☐ Off

2

## Privacy

### Participant Display Name

S. F. (to protect privacy, DNA matches will only see the participant's initials)

3

The test manager's display name—KRistic—will also be shown to identify the test admin.

[EDIT](#)

4

### Ethnicity Profile Display

☒ Show the participant's complete ethnicity profile to their DNA matches. This means the participant's DNA matches will see both the participant's full ethnicity estimate and all Genetic Communities™. (If left unselected, the participant's DNA matches will only see the portion of the participant's ethnicity estimate and the Genetic Communities that they share in common.)


5

## Family Tree Linking

Connecting the participant's DNA to their tree helps determine how they are related to their matches.

This test is linked to:

6

 Stephen John FOX (02 Dec 1956)  
in the Fox4Ancestry

[EDIT](#)

## Actions

### Download Expired DNA Matches

Download a subset of your previous matching results (available for a limited time).

[DOWNLOAD EXPIRED MATCHES](#)

7

### Download Raw DNA data

Complete security steps to protect your information and download your data.

[What is Raw DNA data?](#)

[DOWNLOAD RAW DNA DATA](#)

8

### Delete test results from AncestryDNA

Prior to deleting the DNA test results, we will ask you to enter your password.

[DELETE TEST RESULTS](#)

9



## 20. NEW: Your Own Ancestry.com Account Test Settings (cont.)

10

### Participant's Information [EDIT](#)

Participant's name Stephen John Fox

Participant's age 61

Participant's gender Male

11

### DNA Result Access

[? ROLE DETAILS](#)

People

Role

KRistic(You)

Manager

Stephen Fox

Viewer [v](#)



[+](#) Add a person

12

### Sharing Ethnicity Results

Your ethnicity results have been shared through these links. You can make these links inactive by clicking the Remove button for each link. The people you've invited to view these results will no longer be able to see them.

*You currently have no shared links*



## 21. NEW: How Population Trends Affect Your DNA Results

As you evaluate your DNA results, remember that founder effects and population growth can affect what you're seeing. Please keep these things in mind.

### STEP

- 1 You may share DNA with more cousins than expected because you may share multiple sets of ancestors with some of your cousins.

### STEP

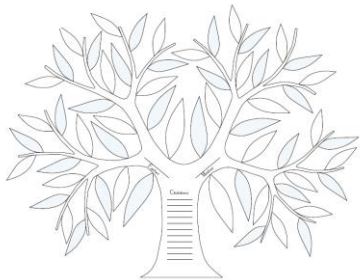
- 2 If you share DNA with someone and you both have a matching ancestor in your trees, don't assume this is the only ancestor you each inherited your shared DNA from (or even that you both inherited DNA from this ancestor).

### STEP

- 3 You can discover more about your ancestors and how you're related to their descendants by looking at your DNA Circles and your matches within them.

### STEP

- 4 When you get a New Ancestor Discovery, keep in mind that you might not be related directly to the ancestor of the DNA Circle. You might want to look at each match individually to see if you share other ancestors with members of the DNA Circle.



S. C. S. Computer / Genealogy Class SIG  
Thursday, October 12, 2017, 10:00 a.m.  
~ Karen Ristic



*Locating  
the Records  
of Your  
World War 1  
Military Ancestors*