DNA: The Newest Tool for Genealogists [Y-DNA, mtDNA and atDNA test]
The Main Line Genealogy Club 14 May 2015 by Jim Bartlett jim4bartletts@verizon.net

1 Concept
If two people have matching DNA, they have a common ancestor!
  [per the type of DNA test]
  [within a genealogical time frame]
Very powerful, extremely accurate info!

2 Levels (of involvement with DNA)
1. Accept the list of Matches, contact them, determine the Common Ancestor
   - Relatively easy
   - Focus is on genealogy
2. Use the DNA data
   - Combine the DNA clues with genealogy
   - Narrow your search
   - Confirm your genealogy
   - DNA is a powerful tool

3 Types of DNA tests – 3 different uses:
1. Y-DNA only passed from fathers to sons - Used in surname projects
2. mtDNA only from mothers to children - Used to trace all female lines
3. atDNA from parents to children - Find cousins from all ancestral lines
   [Y= Y-Chromosome; mt= mitochondrial; at= autosomal]

3 Types of DNA “Projects”
Tracing all male line = SURNAME Project
  - tests the Y-DNA: matching = common ancestor
  - same SURNAME: easier to research
Tracing all female line... = usually D-I-Y Project
  - tests mt-DNA: matching = common ancestor
  - all SURNAMEs different: difficult to trace
Searching for all ancestors [Family Finder] = collaborate with cousins
  - tests all at-DNA: matching = common ancestor
  - share/compare with new matching cousins

DNA: Just DO IT!
Determine which test you want and who will provide the DNA
  - you (for mt or Family Finder); only male for Y-DNA
Go to www.familytreedna.com *
- order a test (join a project for some discounts)
- have Kit mailed to you or sent to someone else
- pay by credit card or have them bill you

Follow Kit Instructions – like brushing your teeth
  (no pain, no blood)
Mail the Samples back – wait..............................
[* you can use other companies, but FTDNA has highest recommendations]

For Jim's 2013 notes, click on links below
DNA Comparison chart
Using FTDNA, 23&Me, and Ancestry DNA for Autosomal DNA
DNA Testing for Genealogists