

Washington County Chapter of the Ohio

Genealogical Society

10/17/20

The Wash. County OGS met today at the Norwood United Methodist Church.

The program was provided by Jayne Stehle on different types of DNA testing. She compared 23 and Me, Ancestry, FamilyTree DNA, and My Heritage. She livestreamed the program on Facebook and saved it for future viewing. She gave a basic overview of genetics, chromosomes and DNA. She explained cell division called mitosis and the splitting of the chromosomes that come from males and females. They are classed as autosomal and genetic chromosomes and are all comprised of four different proteins, Adenine, Cytosine, Guanine and Thymine. Of the 22 pairs of chromosomes each may have 3,000 or more characteristics relayed to the formation of a new being. The last set of chromosomes are not always paired and carry the sex of the new being with XX creating a female and XY a male. The term centimorgan is a measurement of chromosomes and is listed in test results and the measure of closeness in relations of two persons. This can be either expressed in a percentage or by total amount. The higher amount of centimorgans shared between two people the more closely they are related.

If you are interested in ancient ancestors, you will need to investigate Y chromosome DNA for males and mitochondrial DNA for both males and females. The results of these tests will indicate to which group of ancient ancestors you most closely match. The groups are called haplogroups. Most DNA is quite stable. The areas of DNA tested for haplogroups are more variable with mutations forming every 10,000 to 20,000 years.

In general all programs will give you some variable of an overview of where your DNA originated. They will show matches and relatives of those who have submitted samples for testing to the same company. All have some form of a family tree, some free and some with a fee for investigating. Most have a health or trait tracing element for an extra fee.

Ancestry had the plus of “Thrulines” and Hints as well as being able to do multiple Family Trees.

My Heritage says that they have more members from Europe while FamilyTree DNA focuses on autosomal, YDNA, and Mitochondrial DNA (mtDNA)

Prices vary greatly as follows: Note: Prices change often. Companies offer specials frequently. This list may no longer be accurate.

	Ancestry	23 & Me	My Heritage	FamilyTree DNA
Basic	99/100	99	79	79
mDNA	N/A	Some	N/A	y-119 mt-159
Health	80	100/499	N/A	899
Family Tree	189/389	Basic/extra 29	139/76 139/127 139/203	Included in basic tree

Bear in mind that DNA reports may change as more customers are tested.

Jayne preferred Ancestry for family tree research, 23 & Me the way they display your countries of origin, and FamilyTree DNA for YDNA and mtDNA and for having more details of results.

The meeting was called to order by President Jim Reed with 9 members.

The minutes were approved as read.

The treasurers report showed an ending balance of \$4,73.78

Sharon Gardner stated that the current newsletter has been mailed and that she needs articles for the January newsletter.

Library: No report

Books: No Report

First Families: Shirly Harmon reported that she has 4 persons on a list.

Old Business: Jayne reported that the Historical Society has modified the plan to replace stones and will proceed with placing small markers for missing or damaged stones.

New Business: A letter received requesting information on a Duvall cemetery was given to Ernie Thode to handle.

Barb reminded that a nominating committee should be named this month. A poll of officers found that all would continue for another year. Alma Polly Flowers

agreed to fill the trustee position and we will need to check on the corresponding secretary.

Sharon remarked that with the current virus situation we will most likely not be able to have the annual Christmas Party at their home.

There being no further business, the business portion of the meeting was adjourned at 2:40 pm.

Barb Handschumacher, Secretary