September 15, 2026

UPCHURCH & ALLIED FAMILIES

UAFA National Home Office | 1130 Kildaire Farm Road, Suite 120 | Cary, NC 27511-4594

FROM THE EDITOR

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SCIENCE ACUMEN

A single gram of synthetic DNA can theoretically store approximately 215 petabytes of data, equivalent to 215 million gigabytes.

This remarkable density arises from DNA's compact structure and its four-letter chemical alphabet—A, C, G, and T—which scientists repurpose to encode binary information.

By mapping digital 0s and 1s onto specific DNA sequences and applying sophisticated error-correction codes, researchers have approached the physical limits of molecular storage, as demonstrated in landmark work like the 2017 DNA Fountain technique.

To grasp the scale, consider YouTube's vast video library. The platform receives hundreds of millions of hours of uploads annually, adding roughly 1 petabyte or more of new video data daily.

Cumulative estimates for YouTube's total stored content, including all videos, metadata, and redundancies, range from several hundred petabytes to perhaps low exabytes in recent analyses. One gram of DNA therefore holds enough capacity to encompass the entire estimated video content of YouTube, with room to spare—potentially storing tens of millions of high-definition movies in a speck far smaller than a grain of salt.

This technology promises revolutionary advantages for long-term archiving. DNA requires no electricity once synthesized, remains stable for centuries or even millennia under proper conditions, and occupies minimal physical space.

Unlike traditional hard drives or cloud servers that demand ongoing energy and frequent hardware refreshes, DNA offers a passive, ultra-dense solution for humanity's exploding data needs. Challenges persist, however.

Synthesizing and sequencing DNA for data purposes remains slow and costly compared to electronic methods, making it ideal mainly for cold storage rather than real-time access.

Nonetheless, ongoing advances in biotechnology continue to bring practical DNA data centers closer to reality, offering a sustainable way to preserve our digital legacy far into the future.

Caden Phoenix Jackson

February 15, 2007 – August 21, 2026

Obituary Link

His ***Upchurch*** line:
Great Great Grandfather: Casto *Upchurch*, Great Grandfather: Robert *Upchurch and* Grandparents: Marcie *Upchurch* Dunn/ Randall Dunn

UAFA NEWS & INFORMATION

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Upchurch and Allied Families — A resource for linking, preserving, and supporting family history.

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Jay Buck, Office Manager
jay.buck@alliedfamilies.org

Cindy Hale, Editor
UpchurchRoots@gmail.com

Brenda Carbon, DNA Project
Italia19@aol.com

Access to Upchurch Office/Library in Cary, NC – Carla Michaels
cjm400@gmail.com

Family Trees In Ancestry.com:

Debra Upchurch Heck -Upchurch Family Trees (Upchurch Clans) Contact Linda Upchurch Sparks
lusparks@eplus.net

Jay Buck - Allied Family Trees (Families closely associated with Upchurches) - Contact Dr. Steve Terry for info — sdterry@ncsu.edu

Upchurch & Allied Families on Facebook

How to Organize Old Photographs and Memorabilia For Genealogy Research

Do you have old photographs and memorabilia you'd like to organize for your genealogy research? Read on to discover the best ways to start organizing and discovering more of your family's rich history.

https://www.legacytree.com/blog/organize-old-photographs-and-memorabilia-for-genealogy-research

Upchurches in the News

By Jay Buck

Upchurch and Allied Families Assoc.
P. O. Box 3856
Chesterfield, MO 63006

For this month's edition of Upchurches in the News, your erstwhile researcher decided to enter the search string of Upchurch in Tennessee between the years 1800 – 1840 on the newspapers.com website. There were 14 results and four were chosen for inclusion in UITN.

We'll go alphabetically (no pun intended) with Alpha Upchurch, whose impending marriage to Jonas Snider was noted in the March 6 th , 1835, Republican Banner (Nashville). Alpha was the daughter of Edward and Avelila "AVY" Upchurch and the granddaughter of Upchurch Clan 9 head, William IV. Alpha was born, about 1810, in Kentucky. She died after 1870 in Henry County, Tennessee. She married Jonas Bedford Snider, son of Peter Bedford Snider\Schneider and Mary, on 6 Mar 1835 in Paris, Henry, Tennessee. He was born in 1797 in York Co., South Carolina. He died in Dec 1875 in Henry Co., Tennessee.

Our next Tennessee Upchurch is Joseph A. Upchurch. The National Banner and Daily Advertiser (Nashville) of October 12, 1833, mentions a resolution passed by the Tennessee House of Representatives appointing Mr. Upchurch as a Justice of the Peace for Fentress County, TN. Joseph was born on August 10,1800 in North Carolin and died circa 1865 in Fentress County. He married, on March 2, 1823, Jane Crouch. A an early age, Joseph began acquiring land in Kentucky, most of which was absorbed into the new state of Tennessee in 1823. He bought 50 acres on Rotten's Fork in Wayne Co, KY for $10, part of the Kentucky Land Act, passed in the year 1815, called the Land Distribution Act. This Act offered land for $20 per 100 acres. After this part of KY fell into TN in 1823, Joseph soon became known as "Tennessee Joe". Joseph Upchurch was afair-minded citizen of Fentress County and a kind father and husband. He was public spirited and was soon called for civic duty. He was a Justice of the Peace, as noted above, and his name on many of the marriages of Fentress County gave those marriages a head start. The Upchurch Cemetery at Pall Mall was set aside by Joseph. One of the graves in the center of the cemetery is the grave of Joseph Upchurch. A simple rock, uninscribed, marks his grave. This land is his land and ever shall be.

Copied from Page 67 (29) for Joseph, son of George Upchurch.

An affliction affecting many Upchurch researchers is a malady called TMDU (too many darned Upchurches). One would think that the Joseph Upchurch named Justice of the Peace for Warren County, TN in 1829 would be the same Joseph A. Upchurch from Fentress County. But you would be wrong. This appears to be Joseph L. Upchurch (1775 – 1850), who was born in Virginia and married Martha "Patsy" Bradley (1789 – 1865) on July 21, 1804, in Rutherford, NC. Shortly after, he and his family would move to White County in Tennessee. The family also lived in the adjacent counties of Warren and later, DeKalb, where Joseph passed away in 1850. It was the opinion of UAFA founder, Phil Upchurch, that Joseph was most likely a son of Michael Upchurch III. However, as of 2019 sufficient records had not been located to determine the father of this Joseph Upchurch. On the American Upchurch

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Upchurches in the News

By Jay Buck

Upchurch and Allied Families Assoc.
P. O. Box 3856
Chesterfield, MO 63006

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Index tree on Ancestry, Joseph is listed as the head of a provisional Upchurch Clan.

Our last Upchurch, and the earliest on record, was Samuel Upchurch (1772 – 1841) a one-time resident of Wilson County, TN. The Republican Banner of October 27, 1817, shows Samuel as being in possession of a stray horse.

Samuel was the son of John III, the head of Upchurch Clan 14. Samuel Upchurch lived a very interesting life which included migrating from Virginia to North Carolina, thence to Tennessee and finally Illinois. Along the way, Samuel found time to participate in the War of 1812.

Samuel and his wife, Mary Ellen Simmons, had twelve children and many of their descendants still live in the county of Saline in Illinois.

Many thanks to UAFA members, Carla J. Michaels, and others for their hard work in compiling information about Alpha, Joseph A, Joseph L, and Samuel Upchurch. To learn more about the Tennessee Upchurches and others ***click here***.

A resolution, from H. of R., appointing Jonathan S Hunt a justice for Maury county; Joseph Upchurch, James Stonie and Job Simpson justices for Fentress county; Matthew T. Cartright a justice for Wilson county; Abraham Slover, Henry Price and James Seabourne justices for McMinn county, and John Keenan and John A Jones justices for Giles county: was *adopted*.

Mr M'Gaughey, from the committee on Justices of the Peace, reported a resolution to appoint the following justices of the peace, viz. Audley Harrison, James Barkley, Lusk Colville, John Graham, and Joseph Upchurch for Warren county, and James Watkins, Isaac Tignor, Daniel Bough, and William E. Owen for Williamson county.

The above article appeared in the National Banner and Daily Advertiser - 1833 (top)

The other three articles appeared in the Republican Banner

MARRIED,

On Tuesday evening, 3d inst. by the Rev. F. E Pitts, Mr. JOHN C. MILLER of this city, to Miss MARTHA A. M. MUNFORD of Davidson county.

In Williamson county, Ten., Mr. James Crouch of Rutherford county, to Miss Louisa Garrett.

In Bedford county, Tenn., Mr Edward Dannaby to Mrs. Eleanor Thornton.

In Henderson county, Tenn., Mr. Dudley Williams to Miss Susan McClerkin.

In Henry county, Tenn., Mr. Thorton Wright to Miss Abenica Stone. Mr. Jonas Snider to Miss Alpha Upchurch

ESTRAYS

WILSON COUNTY.—Taken up by John Stewart, in Beasley's bend, a *Bay Mare*, about 4 feet 8 or 9 inches high, 6 years old, branded on the near cheak and shoulder E. B. no natural marks but entirely one color—app'd. to $35.

Taken up by Samuel Upchurch, one *Black Horse Colt*, one year old past, with a blaze in his face, all four of his feet white better than half way his leg, neither docked nor branded—appraised to $8.