Article work list - Engineering

Select name to jump to suggestions and sources for:	**Enter name or username to RESERVE an article. Remove name when done.**
Yvonne Young Clark	**Sierin**

Did you complete any of the tasks below? If so, please write DONE next to each completed task to avoid redundancies.

Yvonne Young Clark

Edits:

Add sources and citations

Edit to follow naming conventions

Expand lead: add first sentence that includes her nationality and occupation as a mechanical engineer and professor, add that she taught at TSU for 55 years and served as department head for 17 years, mentorship and support of women in engineering (inspired generations of students and increased the percentage of women in the mechanical engineering program to 25%), summarize key aspects and achievements of her research and industry work, mention her involvement and integration of the Society of Women Engineers, list several of her significant awards/honors, briefly explain why she is considered a “pioneer for African-American and women engineers” (i.e. broke barriers in segregated education and male-dominated fields),

- "If You Want It, You Will – Growing Up in Segregated Louisville". *Lost Women of Science*. Season 3, Episode 1. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-1-if-you-want-it-you-will---growing-up-in-segregated-louisville
- "The Three Nevers – From Undergrad to Engineer". *Lost Women of Science*. Season 3, Episode 2. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-2-the-three-nevers---from-undergrad-to-engineer
- "NASA, Rocket Engines, and the Moon Rock Box". *Lost Women of Science*. Season 3, Episode 3. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-3-nasa-rocket-engines-and-the-moon-rock-box
- "The First of Many – The Success of STEM at HBCUs". *Lost Women of Science*. Season 3, Episode 4. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-4-the-first-of-many---the-success-of-stem-at-hbcus
- "Oral History: Yvonne Young Clark and Carol Lawson". *Engineering and Technology History Wiki*. IEEE. https://ethw.org/Oral-History:Yvonne_Young_Clark_and_Carol_Lawson
- "Nashville’s Own Hidden Figure and Pioneer for African-American and Women Engineers Dies". *Vanderbilt School of Engineering*. January 31, 2019.

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https://engineering.vanderbilt.edu/2019/01/31/nashvilles-own-hidden-figure-and-pioneer-for-african-american-and-women-engineers-dies/

- "Dr. Clark". *Tennessee State University, College of Engineering*. https://www.tnstate.edu/engineering/drclark.aspx
- "Yvonne Clark, Pioneering Engineer". *IEEE Spectrum*. https://spectrum.ieee.org/yvonne-clark-pioneering-engineer

Restructure: combine early life and education sections into “early life and education,” and combine career and research sections into “career and research” section, Add missing details to early life and education (i.e. growing up in segregated Louisville, influence of Black pilot group, graduated top 25% of high school class, add year of her acceptance to University of Louisville on a scholarship, describe her mother’s advocacy on her behalf after she was denied admission based on her race, resulting in the school paying her tuition at Howard, add year she matriculated at Howard)

- "If You Want It, You Will – Growing Up in Segregated Louisville". *Lost Women of Science*. Season 3, Episode 1. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-1-if-you-want-it-you-will---growing-up-in-segregated-louisville
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Enhance Career and Research section: merge information from career and research sections and present chronologically. Where possible, add dates to her jobs and describe her role, responsibilities, and notable experiences (i.e. first African American woman hired at Frankford Arsenal Gauge Lab, controversy surrounding her salary/overtime hours and decision to leave after being denied raise, first African American woman engineer hired at RCA-Victor, received fellowship from American Society of Engineering Education to work at NASA Manned Spacecraft Center etc), Expand on her teaching career (decided to pursue career in academia after being unable to find an industry job in Nashville because of her gender and race, professor of mechanical engineering at TSU for 55 years, note that TSU is an HBCU in Nashville, taught Intro to Engineering class, served as freshman advisor and as faculty advisor for Delta Sigma Theta sorority, role as a mentor particular for female students in mechanical engineering, add that she retired and was named professor emeritus in 2011), Verify and if necessary correct timeline of Frankford Arsenal “Clark spent many summers at Frankford Arsenal researching recoilless weapons in the Dynamic Analysis Branch. There, she researched the movements of

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missiles and rockets," note her leave of absence from TSU (motivated by salary cap and supported by Kellogg Foundation) to pursue Masters degree and in 1971, while researching her thesis at Vanderbilt, she worked at the Ford Motor Company's glass plant and was their first woman engineer, provide details on her refrigerant research (in 1984 became principal investigator on a project at Oak Ridge National Laboratory, studying refrigerants, a role she had for 20 years), describe the purpose of the Center for Automated Space Science, mention the racial and gender discrimination she experienced and overcame throughout her career, highlight her integration of, and long involvement with, the Society of Women Engineers and her membership in other professional associations

- "The Three Nevers – From Undergrad to Engineer". *Lost Women of Science*. Season 3, Episode 2. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-2-the-three-nevers---from-undergrad-to-engineer
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- "Yvonne Young Clark, MS'72, 'First Lady of Engineering'". *Vanderbilt University News*. May 23, 2019. https://news.vanderbilt.edu/2019/05/23/yvonne-young-clark-ms72-first-lady-of-engineering/

Add details to personal life section such as her involvement in Nashville community, marriage, buying a home, family

- "If You Want It, You Will – Growing Up in Segregated Louisville". *Lost Women of Science*. Season 3, Episode 1. https://www.lostwomenofscience.org/podcast-episodes/season-3-episode-1-if-you-want-it-you-will---growing-up-in-segregated-louisville
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- "The Relentlessly Positive Yvonne Young Clark: An Interview with Y.Y.'s Daughter Carol Lawson". *Lost Women of Science*. Bonus episode. https://www.lostwomenofscience.org/podcast-episodes/bonus-the-relentlessly-positive-yvonne-young-clark-an-interview-with-y-y-s-daughter-carol-lawson
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