HENRIQUES, Anna (Stafford). August 20, 1905–November 28, 2004. Western College for Women (BA 1926), University of Chicago (MS 1931, PhD 1933).

Anna Adelaide Stafford was born in Chicago, Illinois, the eldest of six children of Caroline (Fleuchaus) (ca. 1882–1919) and Richard W. Stafford (1881–1919). Her parents were born in Chicago, and both had a high school education; they married in 1904. At the time of the 1910 census they were living in Chicago, where her father was manager of a pickle factory. Later he managed lumber companies. Her brother, Richard W. (1907–1962), was born in St. Paul, Minnesota; her two sisters, Mabelle L. (1910–1977) and Marcia Frances (1912–1991), were born in Chicago; and her younger brother, Wirt W. (1914–1992), was born in Marshfield, Wisconsin. All were college graduates. Her youngest brother, Walter, died in infancy.

After her parents died in 1919, the five surviving Stafford children lived with her father's sister and her family, first in St. Louis, Missouri, and later in Chicago. Anna Stafford attended public schools in Chicago; Marshfield, Wisconsin; and Barnum, Minnesota, before graduating in 1922 from Frank Louis Soldan High School in St. Louis. She attended Western College for Women in Oxford, Ohio, with a four-year college scholarship and an AAUW scholarship from the St. Louis AAUW. While there, her majors were mathematics and Greek and her minor was French. She was in the classical club, the French club, and the mathematics club; she participated in theater; and she successfully participated in enough sports, baseball, hockey, basketball, and swimming, to earn a blue "W." In her college yearbook she is listed as from Evanston, Illinois.

Following her graduation from Western College in 1926, Stafford taught mathematics and science for two years at St. John Baptist School, an Episcopal school for girls in New York and later in Mendham, New Jersey. She taught at the Darlington Seminary in West Chester, Pennsylvania, 1928–29 and at St. John Baptist School in Mendham 1929–31. During the summers 1927–29, 1931, and 1933, she attended graduate school at the University of Chicago. From 1931 to 1933 she completed two years of residency at Chicago; she earned her master's degree in December 1931 and her PhD in August 1933 as a student of Mayme I. Logsdon. Her dissertation was in topology, a subject that had caught her attention upon hearing a lecture by Raymond Wilder of the University of Michigan. However, there were no topology specialists at Chicago, so she and Logsdon worked through the material together, learning Italian to do so.

From 1933 to 1935 Stafford was a member of the Institute for Advanced Study at Princeton, where she pursued her interest in topology. She was one of two women who went to the IAS in 1933; the other was Mabel Schmeiser (Barnes). In the same period, Stafford was on the faculty at St. John Baptist School, where she taught in the mornings, so she could attend lectures at the Institute in the afternoons. From 1935 to 1937 she was an instructor at the University of Nebraska. While there she published an article that ended with a bibliography of works that would aid teachers in making the mathematics curriculum more interesting; the list included Mayme Logsdon's *A Mathematician Explains* and Helen Merrill's *Mathematical Excursions*. In the summer following her first year of teaching, Stafford traveled in Europe, where she attended the International Congress of Mathematicians at Oslo

and visited England, Holland, Norway, Sweden, Denmark, Germany, Switzerland, and France.

In 1937 Stafford joined the faculty at the University of Utah in Salt Lake City where she remained for nearly twenty years. Also that fall Harriet Rees (Bonner), who had just earned her doctorate from Chicago, was appointed instructor at Utah and served for a year and a half. In 1942 Anna Stafford married Douglas E. Henriques, whom she had met in a church choir. He was born in Nevada in 1910 and was an administrative law judge for the US Department of the Interior. He had a twelve-year-old son by a previous marriage, Vico Emanuel, who became the president of the Computer and Business Equipment Manufacturers' Association (CBEMA). They later adopted a daughter, Virginia, a member of the Navajo Nation who was born in Bluff, Utah, and became a practical nurse.

At the University of Utah, Anna Stafford Henriques was instructor 1937–41, assistant professor 1941–47, and associate professor 1947–56. In 1946 she revived the mathematics club, which had become moribund some years earlier. She had a sabbatical leave during the spring quarter 1949 during which she taught one class while preparing a textbook for it. About the same time she wrote, but apparently never published, a paper entitled, "Some mathematical aspects of modern life." In a 1997 interview, Tom Apostol remarked that his "best mathematics teacher [at the University of Utah] was Anna Henriques" (Albers and Apostol, 258).

In 1956 Douglas Henriques's work took him from Utah to New Mexico, and so the family moved. In 1957 Anna Henriques became a lecturer at St. Michael's College (the College of Santa Fe since 1966). Two years later she also became a lecturer at the University of New Mexico and remained in both positions until 1962 when she became professor at St. Michael's. She retired in 1971 as professor emeritus. Shortly thereafter she and her husband were living in the Falls Church area of Fairfax County, Virginia, where they remained. Once retired, Douglas and Anna Henriques traveled, making trips to every continent.

Anna Henriques delivered several papers to professional organizations of which she was a member: the MAA, the NCTM, the Utah Council of Teachers of Mathematics (UCTM), and the Utah Academy of Sciences, Arts, and Letters. She held many positions in the Utah and New Mexico branches of AAUW and served as president, program director, and bulletin editor of the UCTM. She was also a member of Delta Kappa Gamma, a women's education honor society. She was involved with the Girl Scouts in 1955. During her lifetime her interests included mountain climbing, hiking, bowling, opera, theater, and travel. She was a generous contributor to the MAA and the IAS.

Douglas Henriques died in November 1987. Anna Henriques later moved to Goodwin House Bailey's Crossroads, a retirement community in the Falls Church area, and died there of congestive heart failure in 2004 at ninety-nine. She was survived by her step-son, Vico Henriques, two granddaughters, and five great-grandchildren.

Organizational affiliations: AMS, MAA, ASL, NCTM, AAAS, AAUW, Sigma Xi, Sigma Delta Epsilon, Pi Mu Epsilon.

Thesis and dissertation:
1931 [Stafford, A. A.] An application of the dihedral group. MS thesis, University of Chicago, directed by Mayme Irwin Logsdon. Typescript.
1933 [Stafford, A. A.] Knotted varieties. PhD dissertation, University of Chicago, directed by Mayme Irwin Logsdon. Typescript. Private edition, 1935, distributed by the University of Chicago Libraries.

Publications:
1937 [Stafford, A. A.] Adapting the curriculum to our era. *Sch. Sci. Math.* 37:400–415.
1948 The place of mathematics in general education. *Proc. Utah Acad. Sci., Arts and Ltrs.* 25:197.

Abstract not listed above:
1936 [Stafford, A. A.] The group of a knot. *Amer. Math. Monthly* 43:460 #5. Presented to the MAA, Lincoln, NE, 8 May 1936.

Presentations not listed above:
General mathematics goes to college. Presented to the NCTM, Los Angeles, 29 Dec 1953.
From the viewpoint of the mathematics education instructor. Presented to an NCTM group meeting on how to prepare teachers to teach general mathematics, Seattle, WA, 23 Aug 1954.
Language and logic. Presented to a meeting of the MAA, Santa Fe, NM, 12–13 Apr 1968.

References to: AmMSc 6–8, 9P–11P; AmMWSc 12P; BioWMath.
"Anna Stafford Henriques: A Member at the Institute in 1933." *Attributions: A Newsletter from the Development Office, Institute for Advanced Study*, Issue one, 2001.
Sullivan, Patricia. "Mathematics Pioneer Anna Henriques Dies." *Washington Post*, 2 Dec 2004.
"Anna Henriques." (Obituary) *Princeton Packet*, 10 Dec 2004.
"Anna Adelaide Stafford Henriques." (Obituary) *U-News & Views, University of Utah Alumni Association e-newsletter*, Jan 2005.
"Anna Adelaide Stafford Henriques." (Obituary) *University of Chicago Magazine*, Apr 2005.

Other sources: MS thesis vita 1931; PhD dissertation vita 1933; Owens questionnaires 1937, 1940; Smithsonian questionnaire 1981; Miami University Archives; communications with University of Utah Archives and with Western College Alumnae Association; Donald J. Albers and Tom Apostol, "An interview with Tom Apostol," *College Math. J.* 28 (1997): 250–70; US Census 1900, 1910 IL, 1920 MO, 1930 IL.

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