Quick Guide to Life of Emmy Noether

Full Name: Amalie Noether

DOB: 23 March 1882 in Erlangen, Bavaria, Germany

DOD: 14 April 1935 in Bryn Mawr, Pennsylvania, USA

Mother's Name: Ida Amalie

Father's Name: Max Noether (Professor of mathematics at Mathematics Institute in Erlangen)

Siblings: Fritz (younger brother); two others died in childhood

Schooling:

Pre-college education: studied languages, with a concentration on French and English. Graduated and was allowed to teach languages at girls schools.

College education: Allowed to audit classes at the University of Erlangen. Earned mathematics degree after 7 years. 2nd degree ever awarded in mathematics to a female.

1903 *Reifeprüfung, Königliches Realgymnasium*, Nuremburg

1907 Doctorate in Mathematics, University of Erlangen

1919 *habilitation*, University of Göttingen

employment:

Worked with father for 10 years at Mathematics Institute in Erlangen

Worked with Felix Klein and David Hilbert at the University of Gottingen

Worked at Bryn Mawr College in the U.S.A till her death

1908-1915 unpaid lecturer and supervisor of doctoral students in University of Erlangen.

1916-1922 unpaid lecturer and member of Hilbert's research team in the University of Göttingen.

1922-1933 (adjunct, not-ordinary Professor - untenured), University of Göttingen.

1922-1933 *Lehrauftrag* for algebra - which brought her a small stipend; "the first and only salary she was ever paid in Göttingen."

1933-1935 Visiting Professor, Bryn Mawr College.

Honors

1907 Doctorate summa cum laude University of Erlangen

1908 member of the Circolo mathematico di Palermo

1909 member Deutsche Mathematiker Vereinigung (DMV)

1932 Co-winner, Alfred Ackermann-Teubner Memorial Prize for the Advancement of Mathematical Knowledge

1958 A conference at the University of Erlangen was held to commemorate the 50th anniversary of Noether's doctorate.

1982 Emmy Noether Gymnasium, a co-educational school emphasizing mathematics, natural sciences and language, opened in Erlangen, Germany on the 100th anniversary of Noether's birth.

1992 Emmy Noether Institute for Mathematical Research established in Bar Ilan University, Tel Aviv, Israel.

Some Important Publications:

"Moduln in nichtkommutativen bereichen, insobesondere aus Differential- und Differenzenaus-drucken," *Math. Zs.* 8:1 (1920) with W. Schmeidler.

"Idealtheories in Ringbereichen," *Math. Ann.* 83:24 (1921).

"Hyperkomplexe Grossen und Darstellungstheorie," *Math. Zs.* 30:641 (1929).

"Beweis eines Hauptsatzes in der Theorie de Algebren," *Journal f. d. reine u. amgew. Math.* 167:399 (1932) with R. Brauer and H. Hasse.

"Nichtkommutative Algebren," *Math. Zs.* 37:514 (1933).