

Electrifying Women Training Session: Blogging, Presenting and Research



Research

@ElectrifyingWmn

#electrifyingwomen

Electrifyingwomen.org/resources

Electrifying Women

Down the
'Fractal Rabbit
Hole' - Online
sources for
hidden histories

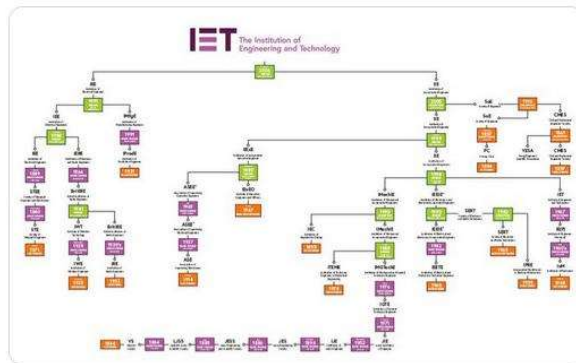


Dr Nina Baker. Engineering historian.

nina bake
@ninabake2

Morning 29 Nov 2019

It is "Ask an Archivist Day" @IETLibArch So my query is: Based on the IET family tree of some 50 predecessor societies, who was the first female member of EACH of those societies and when?
#WES1919 #womenengineers @WESCentenary @WES1919



Yvonne Cooper (1895-1972)

The complete digitised set of The Woman Engineer 1919 - 2014

A PDF index of the women named in the digitised volumes of The Woman Engineer is available below, with thanks to Dr Nina Baker.

The Woman Engineer journal index [PDF, 296KB]



- [Volume 1 1919 - 1924](#)
- [Volume 2 1924 - 1929](#)
- [Volume 3 1929 - 1934](#)
- [Volume 4 1934 - 1939](#)
- [Volume 5 1939 - 1944](#)
- [Volume 6 1944 - 1951](#)
- [Volume 7 1951 - 1956](#)
- [Volume 8 1956 - 1961](#)
- [Volume 9 1961 - 1966](#)
- [Volume 10 1966 - 1971](#)
- [Volume 11 1971 - 1976](#)
- [Volume 12 1976 - 1982](#)
- [Volume 13 1982 - 1987](#)
- [Volume 14 1987 - 1993](#)

IET IETLibrary-Archives @IETLibArch · Nov 29
Replying to @ninabake2 @WESCentenary and @WES1919
First woman elected to the Institution of Electronic and Radio Engineers (IERE) was Yvonne Margaret Dyson Cooper in 1927 - she was also elected an Honorary Fellow in 1941. Acc to the 1939 census, she was working as a French language teacher in Bournemouth

1 1 2

nina bake @ninabake2 · Nov 29
★★★★ Gold stars to @IETLibArch for finding a woman I haven't heard of before!!! Any more about her?

1 2

IETLibrary-Archives @IETLibArch · Nov 29

Nothing in The Woman Engineer!

Resources used:

British Newspaper Archive
Ancestry
Googlebooks
London Gazette
British History Online
Royal Holloway archives

Later that day



Mme. Cooper lays her bunch of chrysanthemums. In the foreground is the wreath laid by Alderman Austin.

Yvonne Margaret Dyson Cooper, BSc, MIERE (2 October 1895 – 14 February 1972)

Timeline

- 1895 Born 2nd October. Father Arthur Dyson Cooper (29 April 1859), mother Mary Henrietta Cecilia Fulcher (16 May 1869), younger sister Irene and younger brother Geoffrey. Baptised 29 Oct 1895 Sutton, Christ Church, Surrey, England. [In 1891 her father had been living with his brother in Croydon, all apparently on independent means]
- 1901 Census: Living with parents and sister, and 3 servants at 66 Eaton road, Sutton, Christ Church, Surrey. Her father is living on private means.
- 1901 Brother Geoffrey born. Father's profession given as solicitor or barrister.
- 1914 Probably went to North London Collegiate School (as that is where her sister went).
- 1917 Graduated: Cooper, Yvonne M. D.: B.Sc., Royal Holloway College.
- 1927 First woman elected to the Institution of Electronic and Radio Engineers (IERE)
- 1939 ID register – french teacher in Bournemouth, living with parents and 2 servants at 2, Foxholes Road, Southbourne, Bournemouth. Her father is living on private means.
- 1944 Father died at 2, Foxholes Road, Southbourne, Bournemouth. Probate: £22k+
- 1941 Honorary fellow IERE
- 1944 Broadcast her pupils' letters on BBC radio, to France. Member of the Association of Friends of the French Volunteers (AFV). She is teacher at Horsham High School
- 1946/48 Laid wreaths on behalf of Le Souvenir Français.
- 1951 Published Aids to practical hygiene for nurses (Nurses Aids series) At some point before this was published she gained a BSc somewhere.
- 1972 14 February died, living at 6 Ken Road, Southbourne, Bournemouth. Probate £24k+

Aids to Practical Hygiene for Nurses, by Yvonne M. D. Cooper, B.Sc. and Helena V. Davies, B.Sc. 132 pages. The Macmillan Co. of Canada Ltd., 70 Bond St., Toronto 2. 1951. Price \$1.00.

Reviewed by Claire Harrington, Nursing Arts Instructor, St. Joseph's Hospital, Victoria.

The purpose of this book is to assist the student in an interesting and practical way to recognize the application of scientific principles in good hygiene. The content is quite

MARCH, 1952

WEST SUSSEX COUNTY

SCHOOLGIRLS' LETTERS TO FRANCE

High School Helps the A.V.F.

FETE RAISES FUNDS

Letters sent by junior girls of Horsham High School to Madame Cooper, who is a member of the A.V.F.— Association of Friends of the French Volunteers—were broadcast to France last week.

When France was invaded the girls wished to show their sympathy and wrote letters of support and encouragement to Madame Cooper. She found them so "sweet and encouraging" that she asked the B.B.C. to allow her to broadcast them. The letters were written in French.

GESTURE TO FRANCE

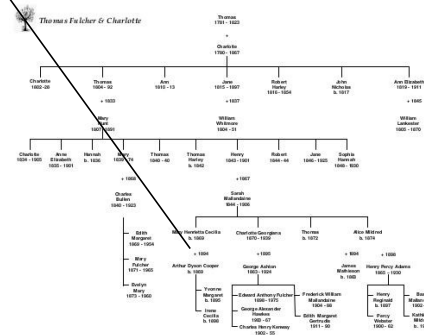
Girls of the High School joined the Association when Madame Cooper spoke to them about French children recently. They were so impressed that they held a collec-

them that tastic and e where they h with open ar Looking f torn world : no fear of t rich. Her p their own wi not destroys enemy and d dom of thou will once me she will em new France the one we many ways There was ness. One economic at It was in France wou Giving a the childre raise money of food wh into liberat A fancy singing, cot Ternant, and donkey attractions and their i entitled—B was most i It was n

Preparing for this talk (in mid-December)

More Googling – ‘attack’ from new directions:

- Name permutations, initials, salutation
- Name AND attributes, places, dates
- Relatives



- G "arthur dyson cooper" -navy - Google Search
- G "Commission d'Aide aux Enfants de France" - Google Search
- G "Commission d'Aide aux Enfants" - Google Search
- G "Commission d'Aide aux Enfants" -espagnols - Google Search
- G "electrifying women" - Google Search
- G "horsham high school" AND "madame cooper" - Google Search
- G "horsham high school" AND "yvonne cooper" - Google Search
- G "horsham high school" AND 1944 - Google Search
- G "la Commission d'Aide aux Enfants de France" - Google Search
- G "madame yvonne cooper" - Google Search
- IMDb "Mystery!: Champion" Sweet Danger; Part 2 (TV Episode 1990) - Lys
- G "Sympathie anglaise" AND "Yvonne Cooper" - Google Search
- G "Sympathie anglaise" AND 1944 - Google Search
- G "YMD Cooper" - Google Search
- G "YMD Cooper" AND IERE - Google Search
- G "yvonne cooper" AND BBC - Google Search
- G "yvonne cooper" AND BBC -yvette - Google Search
- G "yvonne cooper" AND BBC AND 1944 -yvette - Google Search
- G "yvonne cooper" AND BBC AND 1944 -yvette - Google Search
- G "yvonne cooper" AND BBC AND 1944 -yvette - Google Search
- G "yvonne cooper" AND electrical - Google Search
- G "yvonne cooper" AND radio - Google Search

Most widely held works by Yvonne Cooper

~~Hattie by Yvonne Cooper (Book)~~

~~1 edition published in 2015 in English and held by 4 libraries worldwide~~

Sympathie anglaise by Yvonne Cooper (Book)

in French and English and held by 3 libraries worldwide

French protestant resistance during the present war, by ...

1 edition published in 1944 in English and held by 3 libraries worldwide

La Vraie entente ... by Yvonne Cooper (Book)

1 edition published in 1946 in French and held by 2 libraries worldwide

~~On No, Not Another Test! by Yvonne Cooper (file)~~

~~1 edition published in 2013 in English and held by 1 library worldwide~~

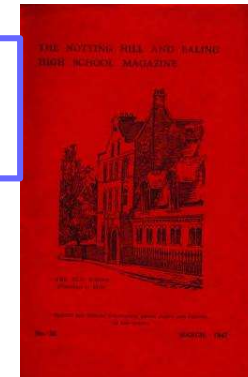
French protestant resistance during the present war by Yvonne Cooper

1 edition published in 1944 in English and held by 1 library worldwide

Principles of Theosophy ... Translated by Suzanne Duché

1 edition published in 1927 in English and held by 1 library worldwide

One of her schools
(ie not the one I
previously assumed)



**Bagatelle -1930-1958-: La Maison de
santé protestante de Bordeaux ...**

By Simonne CRAPUCHET

[About this book](#)

▼ My library

[My Books on Google Play](#)

[Favorites](#)

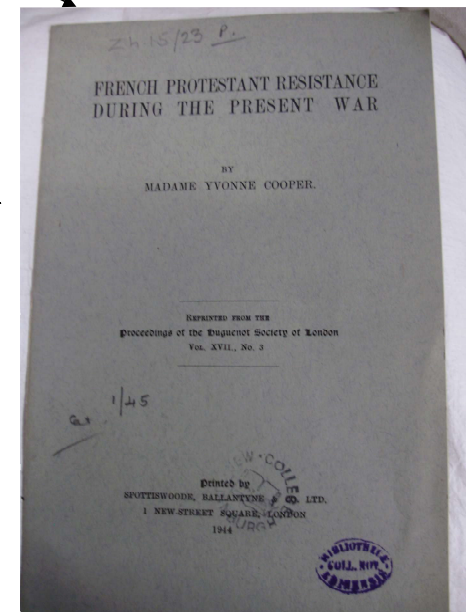
Clues as to
her nursing
and French
connections

[1] Le protestantisme fut introduit en Thiérache par les tisserands au retour de leurs voyages à Meaux (lieu de commerce et d'échanges).

[2] Le collège prendra ultérieurement le nom de St Lawrence College.

[3] Généalogie de la branche anglaise de la famille : Émile, frère aîné d'Arthur, parti en Angleterre adopte le nom d'Auquier. Sa sœur cadette, Fanny, épouse un de ses collègues Charles Morris, et plus tard encore, sa sœur Clara épouse un autre collègue Field Sutton. Yvonne, fille d'Arthur, était venue vivre à Londres avant 1914. Elle rencontre Harold Octavius Cooper, qu'elle épouse en 1915, alors qu'il était lieutenant d'artillerie.

C'est ainsi qu'en visite de famille Éveline rencontre un étudiant de français en dernière année nommé William Proctor Wilson, qu'elle épouse en 1926. Ingénieur T.S.F. et chercheur pour la B.R.C., il servira comme volontaire durant la guerre de 1939/1945, à titre scientifique dans la R.A.F. avec le grade de colonel. C'est au sud de Londres, chez Yvonne Cooper, qu'Eveline sera accouchée par son autre sœur, Thérèse Cornet-Auquier (infirmière de « La Montagne ») ; le 16 avril 1927, celle-ci mettra au monde André Wilson son neveu. Ainsi oncle, tantes et sœurs sont anglais – ces dernières par mariage.



What we still don't know:

- **Whether her french language skills involved her with the resistance**
- **Her school records**
- **How she qualified to be the first woman elected to IERE**
- **Did her family connection with a French health centre lead to nursing experience?**

Where might we go next to fill in the [potentially] engineering period of her life?

Miss M. Nott: in *The Woman Engineer*, volume 1, but not mentioned again

The Secretary of our Manchester Branch, Miss G. L. Entwisle, has recently been admitted as the first lady Associate Member of the Institution of Electrical Engineers. It is encouraging to know that there are now nine lady members who have been admitted to various grades of membership in the Institution of Electrical Engineers.

Another of our Manchester members, Miss M. Nott, is the first lady to get the A.M.C.T. (i.e. Associateship of the Manchester College of Technology) in Engineering.

The BNA
HOME | SAVED | BLOG | HELP

Search / Advanced

ling Help?

anced Search - For help searching, please see ng Started and Search for more information.

pick tips, hover over mail, green icons to the of the text boxes for ul information.

Advanced search

~~Search all words~~ Search all words

~~Search some words~~ Search some words

Exclude words

Use exact phrase

Miss M Nott

le "Miss M. Nott" AND manchester

All Maps Images News Shopping

About 5 results (0.31 seconds)

Images for "Miss M. Nott" AND manchester

→ More images for "Miss M. Nott" AND manchester

Visitors' List.[1881-08-06]The Rhyl Advertiser
<https://newspapers.librair.wales/view>

From Manchester Univ archives

Not a great deal. I'm afraid. I can confirm Madeline Nott did study for the Associateship in Electrical Engineering, completing in 1919 (so she probably started in 1916). I can't see any evidence she was a day release apprentice but she might have been (most apprentices came from British Westinghouse/Metrovick or the railway companies).

le "associate of the manchester college of technology" AND women

All Images Maps Videos Shopping More Settings

About 3 results (0.48 seconds)

1953 Who's Who in the Motor Industry: Persons W - Graces
https://www.gracesguide.co.uk/1953_Who's_Who_in_the_Motor_Indust...
12 Feb 2019 - In 1933 elected Associate of the Manchester College of Technolog
1941 ... In 1921 married Violet Jessie (née Gorham), the first woman ...

WOOD, Ernest Leonard. Proprietor, E. L. Wood, Newington, Kent. Born Milton Regis, 17th January, 1896. Educated at Milton School. First became connected with Motor Industry in 1911. After working for Messrs. Short Bros., Eastchurch, joined Messrs. Rootes Ltd., in 1917. Started in business on own account in December, 1921. Is founder-member of Veteran Car Club, and has won numerous awards with an 1896 Leon Bollee, including several class awards on London-Brighton R.A.C. runs. In 1921 married Violet Jessie (née Gorham), the first woman member of the Veteran Car Club. Hobby : Gardening. Private Address: "Gorwood," High Street, Newington, nr. Sittingbourne.

Madeline Nott – information in the 1st 24 hours:

Winifred Bedson [Hockey Captain]

Hockey

Descriptions of practices. Some of the First Team are Dorothy Fox, Madeline Nott, Margaret Hogg, Elsie Lee, Sybil Bailey, Winifred Bedson, Dora Barber, Katie Wihl

1911

Not a great deal. I'm afraid. I can confirm Madeline Nott did study for the Associateship in Electrical Engineering, completing in 1919 (so she probably started in 1916). I can't see any evidence she was a day release apprentice but she might have been (most apprentices came from British Westinghouse/Metrovick or the railway companies).

1919

masculine power and authority. During this period, Madeline Nott, Morag

Macdonald and Charlotte Long worked as professional engineers in the Motor,

Transformer and Mechanical departments respectively. It could be argued that

1919

1921

Some Recent Appointments

Details given of the appointments held by the following: Hilda Johnstone, Barbara Abensur, Mary Allison [sic], Gladys Dewhurst, Georgina Duthie, Florence Grier, Gertrude Entwistle, Philippa Esdaile, Barbara Hannaford, Lucy Higginbottom, Kathleen Lloyd, Mary McNicol, Madeline Nott, Norah Rowney, Eileen Rowney, Elsie Shaw, Elsie Taylor, Greta Thewlis, Joan Wright, Mary Dunlop.

1923

Married Alfred Mansley

1926



123

TO THE GOVERNORS
OF THE
MANCHESTER HIGH SCHOOL FOR GIRLS.

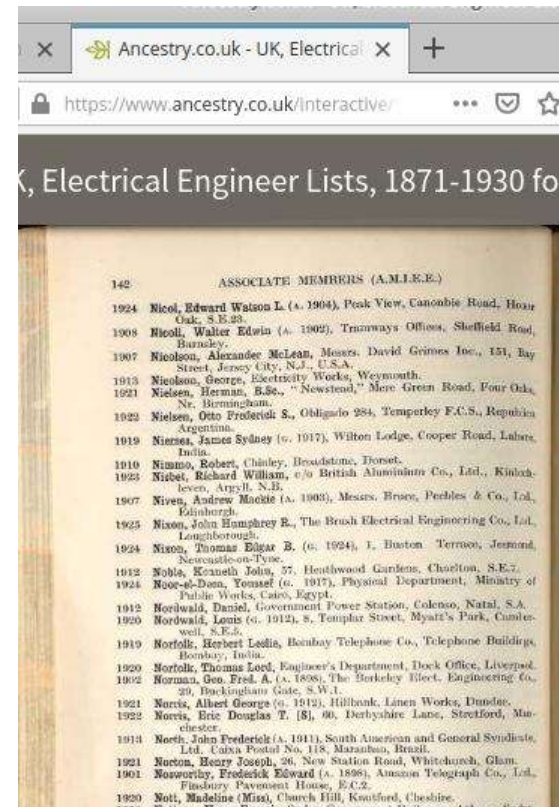
APPLICATION FOR ADMISSION.

Name of the Pupil, to be written in full.	Madeline Nott
Date of Birth.	March 20 th 1896.
Address of the Parent or Guardian.	25 St. John's Rd Knutsford after June 12 th 26 Peasdale Rd Victoria Rd. Maudslayi
Profession or Occupation of Parent or Guardian.	Manager.

ASSOCIATE OF THE MANCHESTER COLLEGE OF TECHNOLOGY IN
ELECTRICAL ENGINEERING.
Madeleine Nott.

And that, dear readers, is as far
as I have got with my best
online efforts!

Where might we look next for
evidence of what she did as an
engineer?





Electrifying Women Training Session: Blogging, Presenting and Research



Blogging

Emily Rees (University of Leeds)

e.rees@leeds.ac.uk

@ElectrifyingWmn

#electrifyingwomen

Electrifyingwomen.org/blog

Electrifying Women

Understanding the long history of women in engineering

Home People Resources Events **Blog**



'SHE': performing the lives of engineering women

9th December 2019 by humer

Elizabeth Bruton



Recent Posts

'SHE': performing the lives of engineering women

Laura Annie Willson visits the Migrant Access Project + (with a little help from Hannah Stone)

A Model Engineer: Cherry Hill
Creative Writing: Examples from our Workshops

'Making the internet less sexist': the Electrifying Women Wikithon at LSE Women's Library



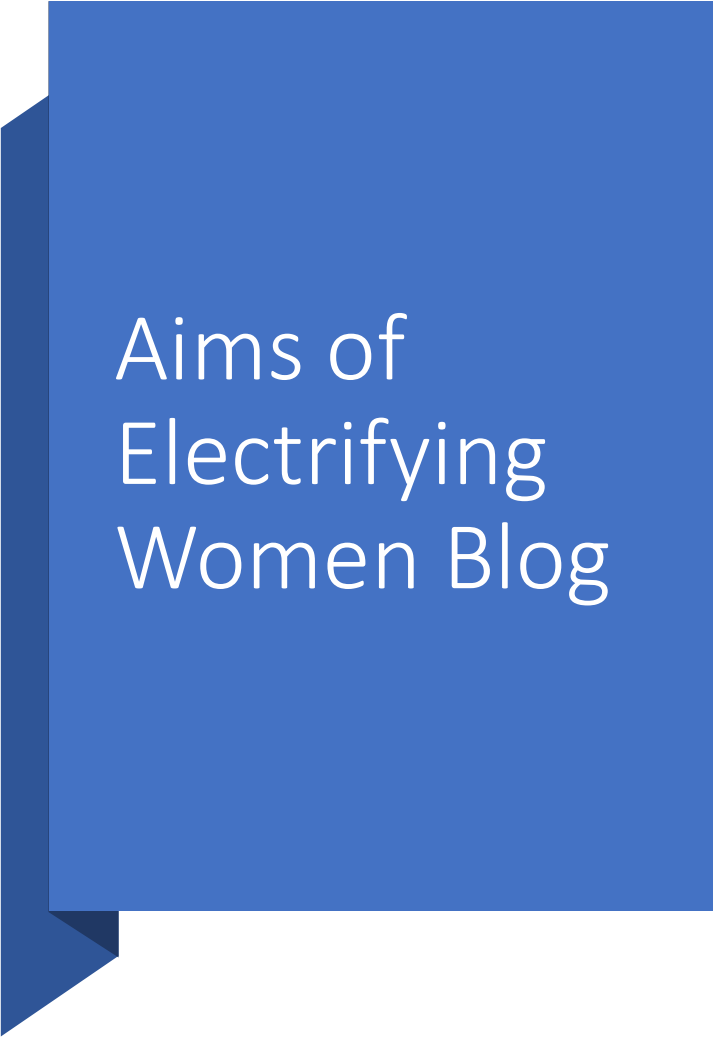
AHRC project: Electrifying Women: Understanding the Long History of Women in Engineering

Public engagement work in partnership with WES, IET, Wikimedia & Science Museum:

Aims:

- To share stories of women's collaborative participation in engineering from 19th century
- To show where more research is needed, how it can be done & how shared
- To enhance Wikipedia pages on women in engineering history through wikithons
- To develop inclusive forms of participation e.g. creative writing and drama
- To support recruitment of women to engineering through heightened historical awareness





Aims of Electrifying Women Blog

- Blog provides a means to write about the work we do and accessible way to present academic research
- Different voices/perspectives - we want more people to blog for us
- Provides record of the project that can be accessed once the project ends

The kinds of things we have already blogged about

- Specific women or themes e.g. Ira Rischowski; the founding of the Women's Engineering Society
- Specific archival source e.g. the 1935 Register of Women Engineers (IET archives)
- Outreach events e.g. creative writing workshops and Wikithons
- Reviews e.g. theatre performance of SHE at the University of Leeds
- Output e.g. creative writing pieces from workshops



Ira Rischowski (courtesy of Ceryl Evans)

Choosing a Topic

- A personal research topic – is there an area you have already been researching that relates to history of women in STEM?
- We are always keen to have a more international perspective
- You could choose to write about records/sources through archival research
- You might want to blog about an event or presentation that you have held or plan to hold
- We are interested in reviews of anything that relates to history of women in engineering/STEM e.g. theatre productions, films, books etc



Activity

In small groups look at the style guide and example blog in the handout. Discuss the following questions:

- What makes a good blog? What makes a bad blog? What are the vital ingredients?
- Would you add anything to the style guide?
- What do people think about the blog? What is good about it?
- What can be improved? How accessible is it?



Electrifying Women Training Session: Blogging, Presenting and Research



Presenting

Graeme Gooday (University of Leeds)

g.j.n.gooday@leeds.ac.uk

<https://electrifyingwomen.org/>

Presenting the history of women in engineering

- Some suggestions based on our experiences of public engagement work in the 'Electrifying Women' project
- Mostly by invitation, but some by direct advertising of our availability
- Most for primarily female audiences with a few exceptions

Potential Audiences

- Primary school
- Secondary/ 6th form)
- Engineering undergraduates,
- Local history groups
- Professional groups
- U3A
- Engineering/industrial History
- Researchers/H.E. students
- Creative writing groups

Messages (examples)

- School - opening horizons for future careers
- Undergrads - reinforcement of identity for future careers
- Local history - inclusion of regional stories of women engineers
- Professional groups - increased awareness for inclusivity
- U3A - supportive awareness for younger family career options
- Engineering industrial History - include those women's stories!
- Creative writing – many opportunities for imaginative reconstruction

Techniques to use (1)

Open questions to an audience:

- School: 'which of these images is an engineer?'
- Undergrads: how long have women been doing Engineering?
- Local history: what do you know about these local women engineers?
- Professional groups: when did women join technical professions. And why?
- U3A: did you know there was a Women's Engineering Soc? How old?
- Engineering history: why is proportion of women in UK engineering so low (12%) despite having the world's first ever women's engineering society?
- Creative Writing: how can we recreate women's lost voices in engineering?

Techniques to use (II)

Points of familiarity for audience to relate to

- links to suffragette movement
- First World War opportunities
- nationally famous individuals
- local heritage – places, families, companies
- present day challenges of equitable access to employment
- comparisons of engineering with other professions e.g. law, medicine

Images to use

- Women's Engineering Society collective photographs
- Individual women e.g. Caroline Haslett, Amy Johnson
- Individual inventions, patents e.g. of Hertha Ayrton

All to be available from our website and/or IET Archives/WES

Which of these were engineers?



Women engineers 100 years ago



Gertrude Entwisle:
Mechanical
engineer



Amy Johnson:
Aeroplane pilot &
ground engineer



Beatrice Shilling:
Mechanical and
electrical engineer



Verena Holmes:
Mechanical
engineer

Follow up activities for your audiences

Give your audiences ideas of what they can use your presentation for

- researching
- blogging
- networking
- social media
- volunteering...?

Your activity for now

- Imagine you were presenting to one of the following audiences on women's history in engineering and had 5 minutes available.
- How would you make your presentation – structure, images, message

Group 1) Year 7 school pupils (all girls)

Group 2) Sixth form group (mixed group)

Group 3) Local history group

Group 4) University of the Third Age

Group 5) Careers advisors?

Please keep in
touch!



Email:
electrifyingwomen@gmail.com



Website:
<https://electrifyingwomen.org/>



Twitter: @ElectrifyingWmn