

AccessionIndex: TCD-SCSS-V.20221015.002

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Object name: Percy Ludgate (1883-1922): Ireland's First Computer Designer

Vintage: 2022

Synopsis: Brian Coghlan and Brian Randell (edd), The John Gabriel Byrne Computer Science Collection, 246 pp, proof print.

Description:

This item is the signed first proof print of the first book on Percy Edwin Ludgate, see elsewhere in this catalog for the signed first published print. This book collects together much of the original material, plus extensive new information on the family, life and work of Percy Ludgate, including two very significant discoveries. The major differences between the proof print and the published book are in the *Introduction* and in *Percy Ludgate's Analytical Machine*, with only minor corrections elsewhere.

Introduction		1
Percy Ludgate (1883-1922), Ireland's first computer designer <i>Proceedings of the Royal Irish Academy: Archaeology, Culture, History, Literature, 2021</i>	Coghlan, Randell, et al	3
Extended Family Trees <i>Online work-in-progress document, 2022</i>	Brian Coghlan Trish Gonzalez, Paul Hockie	33
Investigating the Work and Life of Percy Ludgate <i>IEEE Annals of the History of Computing, 2021</i> [includes transcript of 1909 article from Engineering]	Coghlan, Randell, et al	40
Percy Ludgate's Analytical Machine <i>Online work-in-progress article, 2022</i> [includes 1909 articles from Engineering and from English Mechanic and World of Science]	Brian Coghlan	61
The feasibility of Ludgate's Analytical Machine <i>Online article, 2017</i>	David McQuillan	109
An analysis of Ludgates machine <i>Department of Electrical and Electronic Engineering, University College (Swansea), 1973</i>	D. Riches	121
Ludgate's Analytical Machine of 1909 <i>The Computer Journal, 1971</i> [includes transcripts of Ludgate's 1909 paper and Boys' 1909 Nature review]	Brian Randell	181
Speculations on Percy Ludgate's Difference Engine <i>Online work-in-progress article, 2021</i>	Brian Coghlan	191
Automatic Calculating Machines <i>Handbook of the Napier Tercentenary Celebration, 1914</i>	P. E. Ludgate	197
On a Proposed Analytical Machine <i>Scientific Proceedings of the Royal Dublin Society, 1909</i>	Percy. E. Ludgate	203
Extracts of Percy Ludgate's Genealogy <i>From: Percy E. Ludgate Prize in Computer Science, 2019</i>	Paul Hockie, Brian Coghlan, Trish Gonzalez	223

Figure 1: Table of Contents of 'Percy Ludgate (1883-1922): Ireland's First Computer Designer'

The homepage for this catalog is at: <https://www.scss.tcd.ie/SCSSTreasuresCatalog/>
 Click '*Accession Index*' (1st column listed) for related folder, or '*About*' for further guidance.
 Some of the items below may be more properly part of other categories of this catalog, but are listed here for convenience.

Accession Index	Object with Identification
TCD-SCSS-V.20221015.002	Percy Ludgate (1883-1922): Ireland's First Computer Designer. Brian Coghlan and Brian Randell (edd), The John Gabriel Byrne Computer Science Collection, 246 pp, proof print, 2022.
TCD-SCSS-V.20221015.003	Percy Ludgate (1883-1922): Ireland's First Computer Designer. Brian Coghlan and Brian Randell (edd), The John Gabriel Byrne Computer Science Collection, ISBN 9781911566298, 246 pp, first print, 2022.
TCD-SCSS-V.20221015.001	Unveiling of a Science Plaque to Percy Edwin Ludgate. Videos and photographs of the unveiling of the Ludgate Plaque. 2022.
TCD-SCSS-X.20121208.002	Percy E. Ludgate Prize in Computer Science. Prize in memory of Percy Ludgate's novel 1909 design for an Analytical Engine, the next after Babbage's. c.1909.
TCD-SCSS-V.20170124.001	Nature volume that includes article on Percy Ludgate's analytical engine. Nature, Vol.81, including: C.V.Boys, 'A new analytical engine', pp.14-15, Jul-1909.
TCD-SCSS-V.20121208.873	On a Proposed Analytical Machine Percy E.Ludgate, offprint of article in Scientific Proceedings of the Royal Dublin Society. Apr-1909.
TCD-SCSS-V.20170221.001	Napier Tercentenary Celebration Handbook that includes article by Percy Ludgate. Handbook of the Napier tercentenary celebration or modern instruments and methods of calculation, Ed: E.M.Horsburgh, including: Percy E.Ludgate, 'Automatic Calculating Machines'. 1914.
TCD-SCSS-V.20170217.001	Reprint of 1909 RDS Proceedings that includes article on Percy Ludgate's analytical engine. Scientific Proceedings of the Royal Dublin Society, 12 (9), including: Percy E.Ludgate, 'On a Proposed Analytical Machine', pp.77-91, 28-Apr-1909, reprinted 2016.
TCD-SCSS-V.20190903.002	'An exploration of the life of Percy Ludgate'. Video and audio recordings of a presentation at the West Cork History Festival. 2019.
TCD-SCSS-V.20190903.001	Podcast on Percy Ludgate. Audio recording of an interview at the West Cork History Festival. 2019.
TCD-SCSS-V.20200520.001	Archives of The English Mechanic and World of Science. The full archive set in which was first discovered a diagram of Percy Ludgate's Analytical Machine. 2020.
TCD-SCSS-V.20210520.001	20-May-2021 edition of the Irish Times. A printed issue that contains an article on Percy Ludgate by Dr.Chris Horn. 2021.
TCD-SCSS-V.20210507.001	Investigating the Work and Life of Percy Ludgate. Technical paper by Coghlan, Randell, Hockie, Gonzalez, McQuillan, O'Regan, in the IEEE Annals of the History of Computing,

	plus a printed copy of the issue that contains the paper, both courtesy of Institute of Electrical and Electronics Engineers (IEEE). 2021.
TCD-SCSS-V.20210916.001	Investigating the Work and Life of Percy Ludgate (1883-1922). Brian Randell, video of and slides for Zoom presentation about Percy Ludgate to The Computer Conservation Society (CCS), U.K. 2021.
TCD-SCSS-V.20210428.001	Percy Ludgate (1883 -1922) - Charles Babbage's First Successor. Brian Randell, video of and slides for Zoom presentation about Percy Ludgate to The National Museum of Computing (TNMOC), Bletchley Park, U.K. 2021.
TCD-SCSS-V.20210921.001	Percy Ludgate (1883-1922), Ireland's first computer designer. Historical paper by Coghlan, Randell, Hockie, Gonzalez, McQuillan, O'Regan, in the Proceedings of the Royal Irish Academy: Archaeology, Culture, History, Literature, plus a printed copy of the issue that contains the paper, both courtesy of RIA. 2021.

References:

1. Wikipedia, *Percy Ludgate*, see:
https://en.wikipedia.org/wiki/Percy_Ludgate
Last browsed to on 24-Oct-2022.