FILMS

First LEO Payroll February 1954 Films a BBC T.V. Newsreel (Filmed on the 12th February, shown on 16th February, 1954). "ELECTRONIC BRAIN" ON THE PAYROLL   A high speed automatic calculator or "Electronic Brain" has recently been installed in the London HQ of a big catering firm.

The BBC film clip, lasting just over 3 minutes, features a BBC reporter being shown LEO in operation during a payroll run. It includes shots of a data operator (Margaret Cole?) punching paper tape from data sheets, the paper tape being read into the computer, punch cards being loaded into a card reader by Peter Woods (first LEO operator) and being read into computer, the printer clunking away and printing payslips on pre-printed paper by the LEO tabulator, various shots of LEO Units being attended by engineers, the oscilloscope display and an interview with TRT explaining what LEO is doing. This is a film of historical importance as it is the first public showing of the world's first computer payroll. The BBC have generously given the LEO heritage project a licence to archive and use the film for educational and research purposes. An archive copy is held by Cambridge Centre for Computer History and the BBC held copy can be uploaded from:
https://www.dropbox.com/sh/ffs3x1ifnq8nbvx/AAADIwW45JJ0mfhC5dm9SFSZa?dl=0
and a copy is held in http://www.computinghistory.org.uk/det/62307/leo-i-bbc-newsreel--16-feb-1954/
https://www.dropbox.com/s/8hxf9pe5qll73tw/LEO%20Payroll%20Film%20Clip.eml?dl=0

Paramount News (Film show in week commencing15th February 1954): Brian BEGG interviews Mr THOMPSON re the applications of the machine; woman uses adding machine; man takes tape from woman & feeds into "Brain"; man takes stack of cards & feeds them into "Brain"; machines electronics at work; "Brains" printer produces pay slips.

·   *LEO The Automatic Office,* 1957 promotional film highlighting the way LEOs were constructed and their many varied business uses, ranging from teashop inventories to Ford's payroll. Copyright LEO Computer Society. http://www.youtube.com/watch?v=-8K-xbx7jBM Also held by Computer History Museum Silicon Valley http://www.computerhistory.org/revolution/early-computer-companies/5/110/2260 and http://www.computerhistory.org/collections/accession/102705993

LEO at British Oxygen in 1966: A Film made by British Oxygen demonstrates how their LEO computer has enabled them to improve many aspects their operations and emphasises the application of statistical methods to provide management information with decision support systems. The Film can be seen at: **https://www.youtube.com/watch?v=H_0Astp1dEU**

·   **LEO: Celebrating The Pioneers:** A short film sponsored by GOOGLE made to highlight the contribution of the team behind LEO computers, to celebrate the 60th anniversary of it taking on its first "office job" on November 17th 1951. http://www.youtube.com/watch?v=Lrn24SdW64I

·   **Ernest Kaye LEO 1952:** An extract from the 1952 show featuring Ernest Kaye and his involvement in the development of Lyons Electronic Office (LEO). It includes a

glimpse of how he looked 60 years ago, barely any different from today.
http://www.youtube.com/watch?v=GE6TX70A3Rc

· **Leo II Computer:** The latest in out series of early technologies from Michael Bennett-
Levy's collection that went up for auction in October last year looks at the worlds first commercial business computer, the LEO II/3. Entering service in May 1958, the LEO II/3 (Lyons Electronic Office II/3) at Stuart and Lloyds in London was the world's first commercial business computer. http://www.youtube.com/watch?v=y_Z6OGBif9w

· **Mary Coombs shares her story:** Mary Coombs was a programmer for LEO, the Lyons Electronic Office that was the world's first business computer. Produced by Google as part of a series of short films high lighting women's involvement in the early days of computing. http://www.youtube.com/watch?v=C6DRr0Dhn4Q

· *Taking the Punch Out of Input,* 1970's era film by Lyons Computer Services focusing on input devices for LEO III range developed in 1960's.
http://www.youtube.com/watch?v=6IPVdHHRc2Q

· *Electronic Data Processing. A series of film strips produced by the Institute of Office Management by its EDP Committee covering LEO I, Elliott 405 and Ferranti Pegasus. Available from Kevin Murrell at the National Museum of Computer History, Bletchley. Copy held by LEO Computers Society.*

· **Unveiling Ceremony,** on the 29th November 2016 a commemorative plinth was unveiled in Lyons Walk in the Borough of Hammersmith and Fulham, a site overlooking the place once occupied by Cadby Hall the headquarters of J. Lyons & Co and the location of the world's first business computer LEO. The unveiling took place exactly 65 years after LEO carried out on behalf of Lyons the running of the world's first data processing application on an electronic computer. The unveiling was carried out jointly by Dame Stephanie Shirley and Frank Land in the presence of representatives of the Borough of Hammersmith and Fulham, representatives of the local MP, Andrew Slaughter, descendants of the families which had built J. Lyons & Co., members of the LEO Computers Society and friends of LEO including representatives of the Association for Information Technology. The erection of the plinth was arranged by the Borough of Hammersmith and Fulham and much of the funding provided by Tony Morgan of the LEO Computers Society. A film of the ceremony, including speeches by Peter Byford, a representative of the Borough of Hammersmith and Fulham, Frank Land, Dame Stephanie Shirley, and Tony Morgan can be found on https://youtu.be/FmHnKq15SGc For more information and pictures see http://ta.mdx.ac.uk/leo/leo-plaque-unveiling-in-london/ **The Sunday Times** carried an op-ed article by Dominic Lawson following the ceremony, entitled **65 years ago the age of the computer began ….. to sell better tea cake** page 24 4th December 2016. http://www.thetimes.co.uk/edition/comment/65-years-ago-the-age-of-the-computer-began-to-sell-a-better-tea-cake-zzpx63qx6

· **Cambridge Centre for Computer History** Exhibition of LEO history 18-19th November 2017, including presentations by Peter Byford and colleagues. Peter Byford's presentation available on You Tube at
https://www.youtube.com/watch?v=N4zyZG0OxFI

· **YOUTUBE** 1969 Film celebrating 20 years of Ostrava Steel Works including a number of shots of their LEO III including shots with its chief engineer Jiri Baranek. The LEO episodes occur at 3m 24s, 7m 42s, and 9m 58s in the film. See

https://www.youtube.com/watch?v=-OYm5GeZXc4&t=3s. Another 1971 Film of the steelworks featuring LEO can be found at https://www.youtube.com/watch?v=Wpm6LYgnb8w 7.46 minutes into the 10 minute film.

· **ITV Grantchester.** The episode shown on January 25th 2019 features the fictional computer UNIAC, based on EDSAC and notes it working on a business system for a teashop enterprise around 1960

· **Hot Millions:** a 1968 crime comedy made by MGM. The story depicts Ustinov as a computer operator using the computer to steal millions. It was directed by Eric Till and produced by Mildred Freed Alberg, from a collaborative screenplay by Ira Wallach and star Peter Ustinov. MGM rented a LEO III/326 computer from the Post Office for the scenes involving Ustinov engaged in his criminal activity. The trailer for the film can be downloaded

at https://www.bing.com/search?q=Hot+Millions+Peter++Ustinov&refig=1910fc8a8d58 45e99f4f153ee907922b&pc=U531&sp=-1&pq=hot+millions+peter+ustinov&sc=1- 26&qs=n&sk=&cvid=1910fc8a8d5845e99f4f153ee907922b&FORM=VDVVXX

· **Peter Byford's collection of Video and Film Material**

1. Bletchley Park lectures - LEO the first Business Computer by Alan King 20th January 2005

2-4. 3 DVDs labelled London Home movies episode 4 - Granada TV LEO - this included interviews with David Caminer and Peter Byford effectively doing a commentary with the LEO (1958 film)and a short sequence of LEO lll film introduced by Brian Eaton. Another DVD includes some video of Manchester computer (Baby?) , Colossus and John Page (LEO engineer) talking about LEO.
Incidentally does Chris Monk realise that the LEO film does include sequences of LEO l?

5. LEO lll/1 (Hartree House - mid-sixties 2min 22 secs by Colin Browning

6. LEO people interviews by *Over the pond* film company on behalf of Google Nov 2011 - used for the Pioneers film. 2 dvds Original filming and edited version (by Peter B).

I also have VHS copies of London Home movies and a 1960 training film. I also have a VHS which someone gave me ages ago which is labelled. 2min 45 Bletchley stills, 3min 42 Rostram/Lyons sync, 6min 20 Wilsoh (not sure of writing here) "white heat, 9 min ICL press conference etc.

Hilary Caminer CD, 2001
Hilary Caminer notes: a CD recording of my father and John Aris giving the 2nd Pinkerton lecture at the Guildhall 50th anniversary of first LEO lob conference - with Frank Land proposing the vote of thanks

British Library 24th June 2019
Recording of the week:

Frank Land OBE - from Nazi Germany to the tea shop electronic brain

This week's selection comes from Dr Tom Lean, Project Interviewer for An Oral History of British Science. https://blogs.bl.uk/sound-and-vision/2019/06/recording-of-the-week-frank-land-obe- from-nazi-germany-to-the-tea-shop-ectronic-brain.html

You Tube – Released November 30th 2021 to mark the 70th anniversary of the first live run of a business application on a computer, the LEO I at Cadby Hall HQ of J. Lyons and Co. a Film, duration about 27 minutes made by Boffin Films and commissioned by the joint LCS and CCH project funded by the National Lottery Heritage Fund. The Film tells the Lyons/LEO story and an important aspect is to tell young people an important aspect of computer history and how business computing started in the UK 70 years ago. To see the Film click on https://www.youtube.com/watch?v=Rzu68nRVwtE