

hyperwwwork

the workplace ecosystem in 349 jpegs

romain curnier
adrien grigorescu

master of architecture diploma project
supervised by mario carpo, jeremy lecomte
and christian girard

digital knowledge department
ensa paris malaquais
june 2018



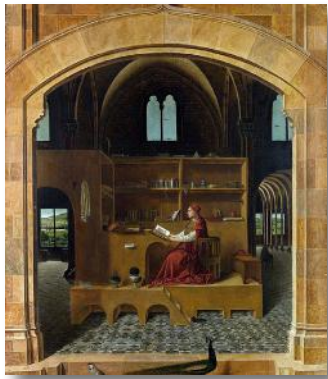
A ambiances

C artistic and
critical approaches

T technologies
and techniques

M design
and furniture

S social contexts

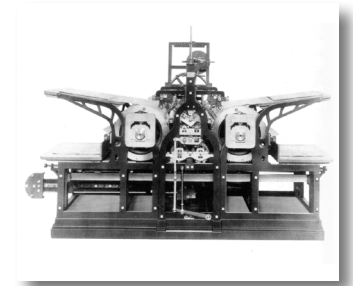


C1

1400



A3



T2



A1



A4

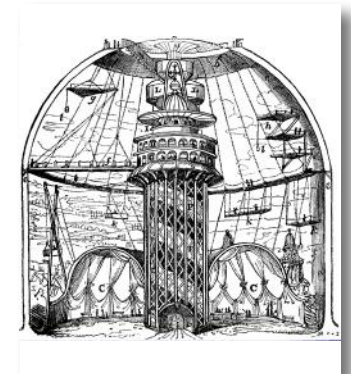
1800



A2



T1



T3



T4



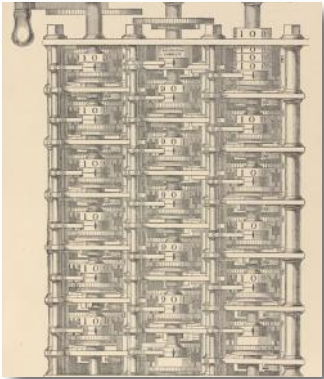
S1



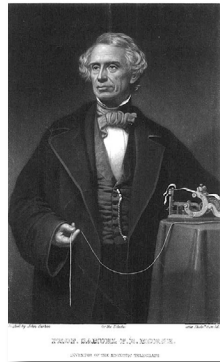
T7



S2



T5



T6



T8

1850



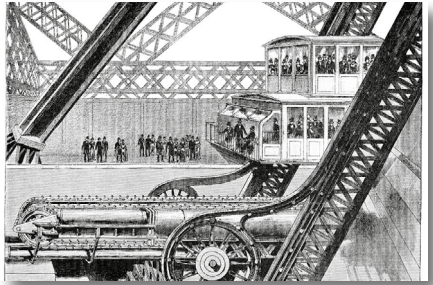
S3



T10



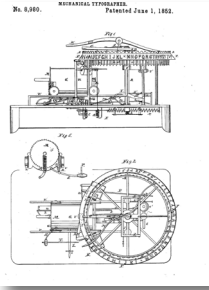
T12



T14



M1



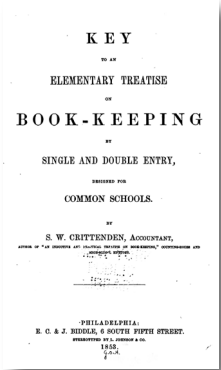
T11



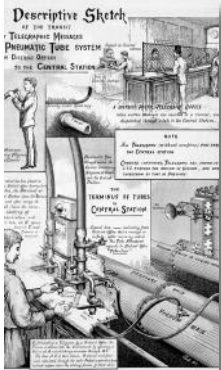
T13



T16



S5



T15



T19



T18



A5

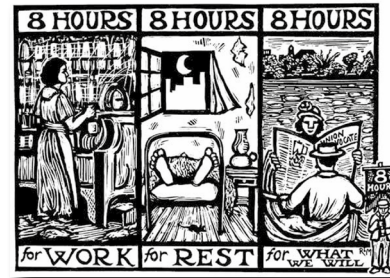


M2



T22

1860



S4



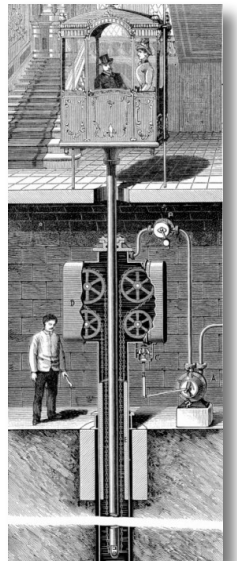
A6



T17



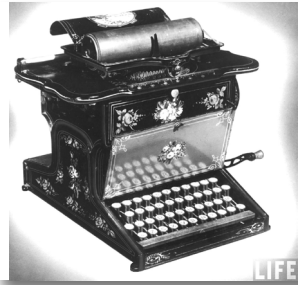
T9



T23



A7



T24

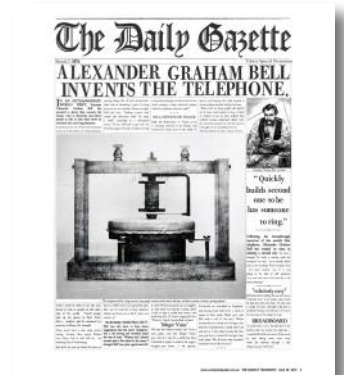


M5

1870



M3



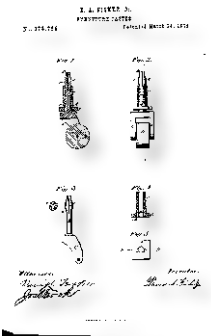
T25



A8



M4



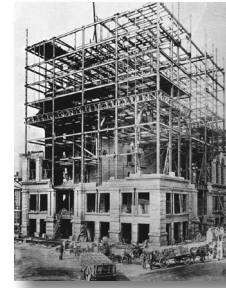
M6



A9



A10



T21



A11



T26



T20

1880



T27



A12

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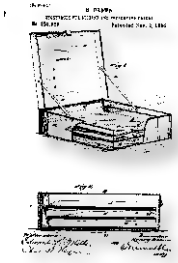
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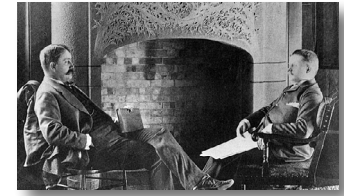
T28



M8



T31



A13



T29



T32



M7



T30



A14

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T34

A	B	C	A	B	C	L	A	C	H	N	G	A	E	C	I	S	M	L	H	M	W	A	C	E	F	S	S
D	E	F	D	E	F	L	A	C	H	N	G	A	E	C	I	S	M	L	H	M	W	A	C	E	F	S	S
G	H	I	G	H	I	G	A	E	C	I	S	M	L	H	M	W	A	C	E	F	S	S	S	S	S	S	S
K	L	M	K	L	M	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N	O	P	N	O	P	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Q	R	S	Q	R	S	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
A	B	C	A	B	C	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
F	G	H	F	G	H	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
P	Q	R	P	Q	R	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
I	J	K	I	J	K	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
V	W	X	V	W	X	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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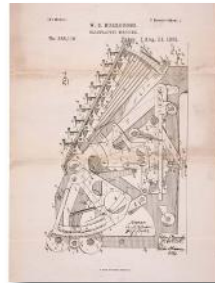
T36



C2



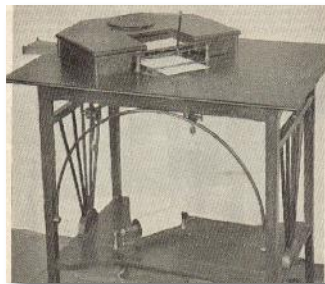
A15



T33



T35



T53



A16



A17

1890

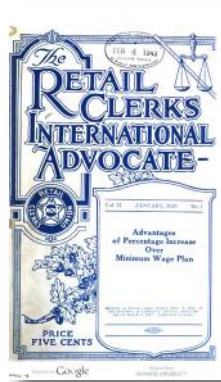
BLESSED BE DRUGGERY:
AND OTHER PAPERS.

BY
WILLIAM C. GANNETT.

WITH PREFACE BY
THE COUNTESS OF ABERDEEN.

GLASGOW:
DAVID BRUCE AND SONS,
1890.

S6



S7



A21



A23



A18



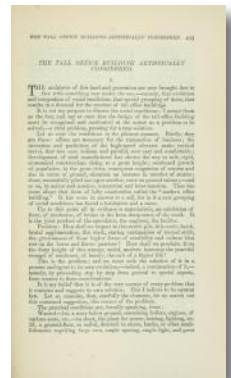
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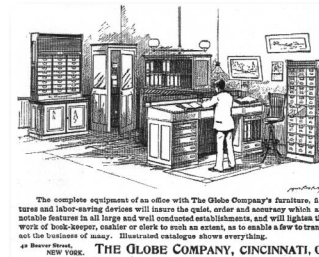
A19



A20



S8



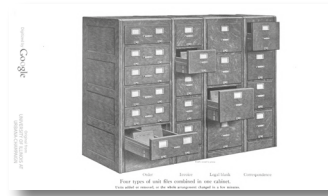
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A24



A25



M9



A26



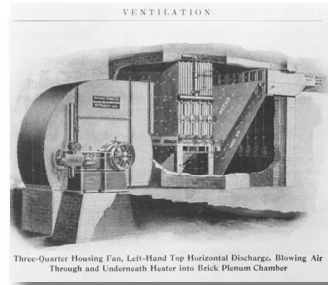
T37



S10



T38



T39



S9



A27

1900



A28



T40



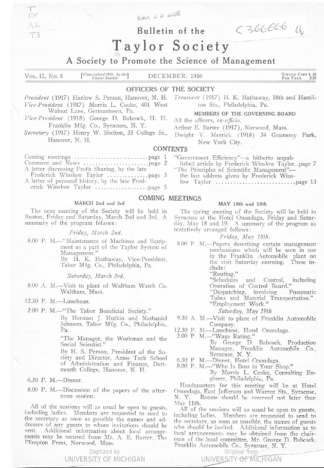
S11



A29



M10



S12



M12



M11

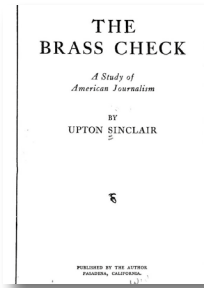
1910



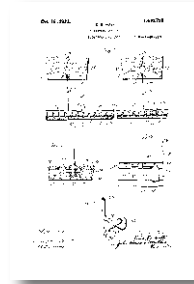
M13



S13



S14



T41



A30



M14



T42

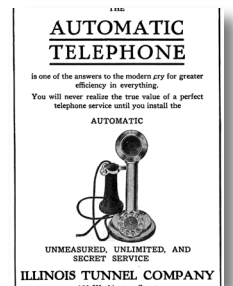


M15

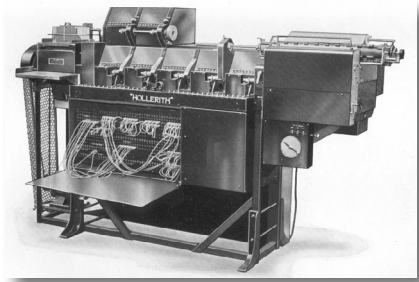


M16

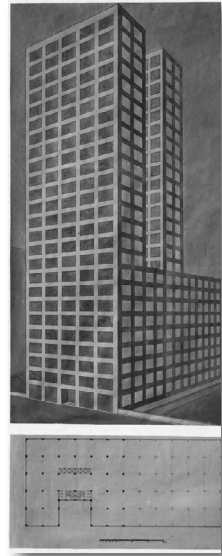
1920



T43



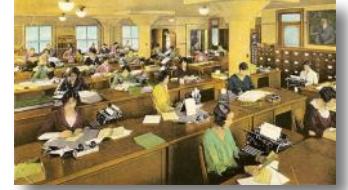
T47



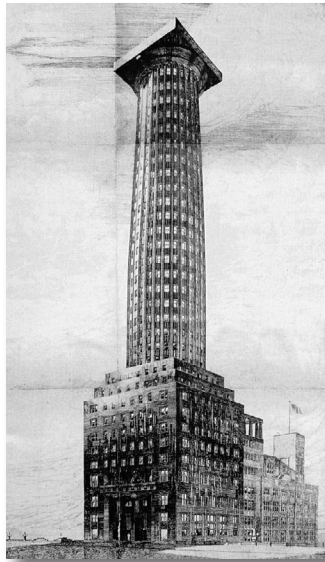
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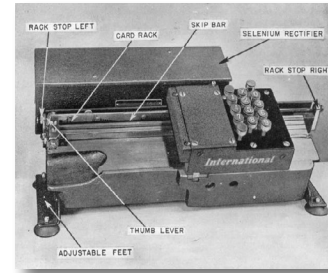
C3



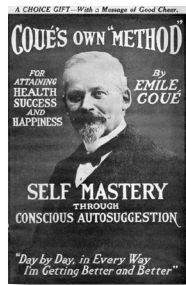
A33



A31



T44



S15



T45

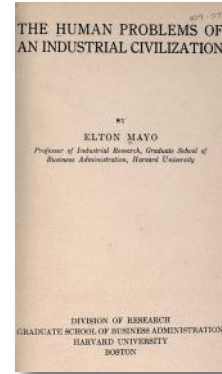


T46

1930



M18



S16



M19



A34



T48



S19



C4

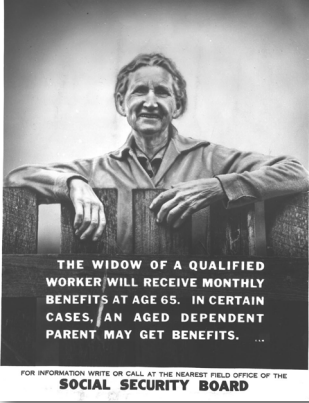


M17



S17

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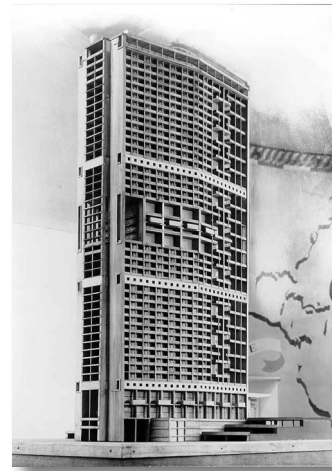
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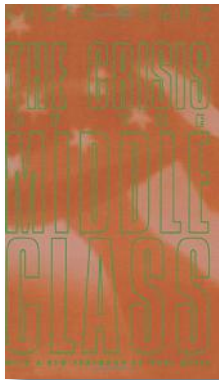
S20



A36



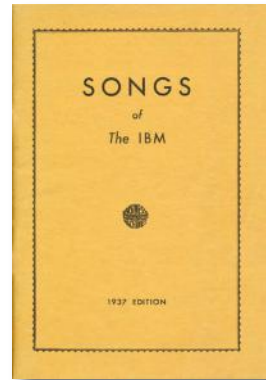
S22



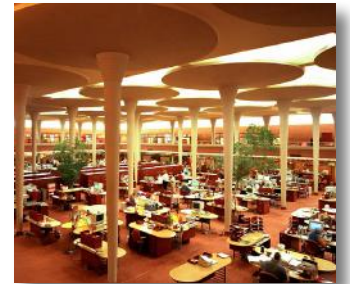
S18



M20



S21



A37



A35



S23



A38



S24



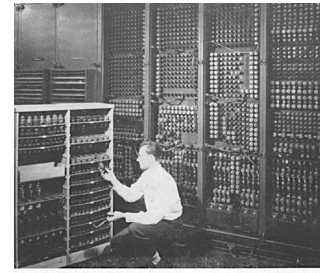
S30



M21

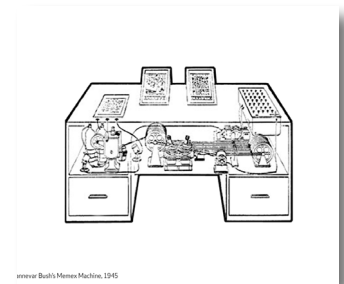


M23



Replacing a bad tube messer checking among ENIAC's 19,000 possibilities.

T49

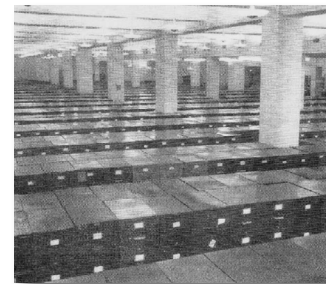


T50

1940

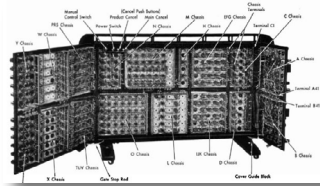


M22

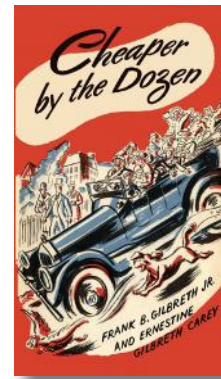


A39

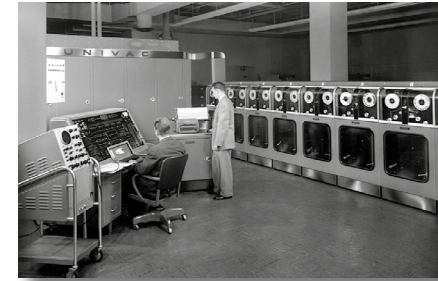
1950



T51



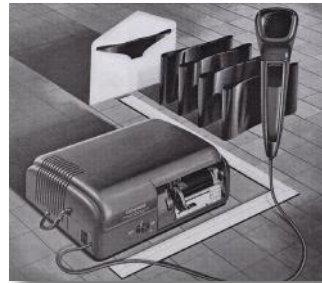
C5



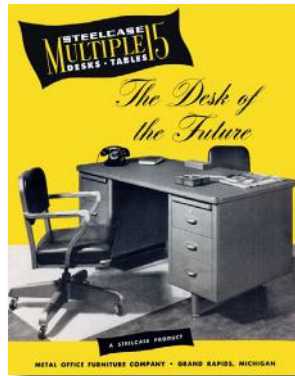
T54



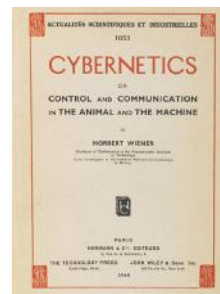
M24



T52



M25



S25



M26



A40



A41



C7



M28



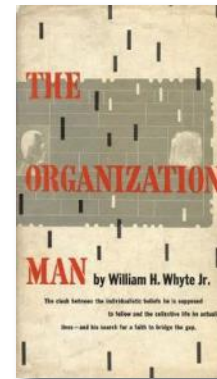
T55



M27



T56



S26



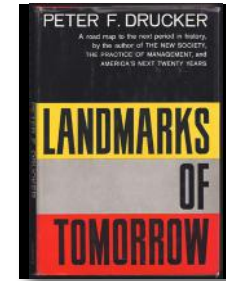
C6



A42



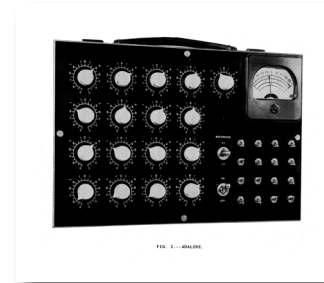
T57



S28



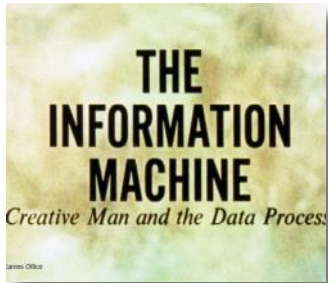
A43



T60



C9



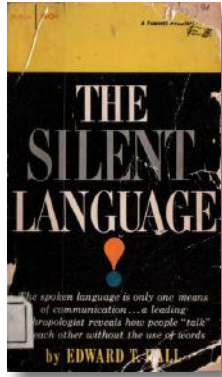
C8



M29



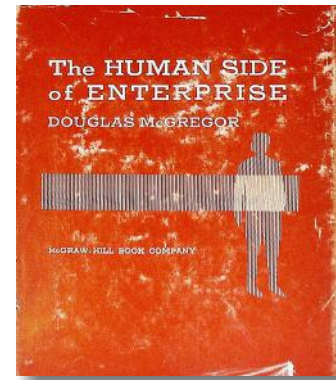
T58



S27



A45



S29



T59

1960



T61



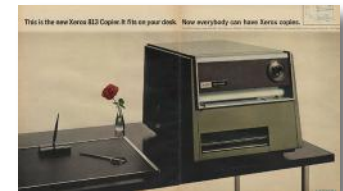
M30



C10



A44



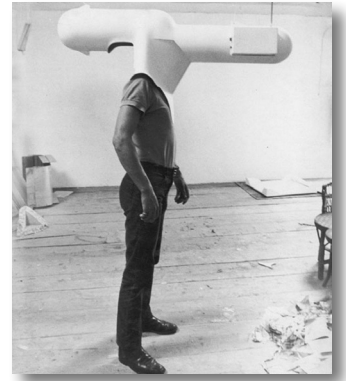
T62



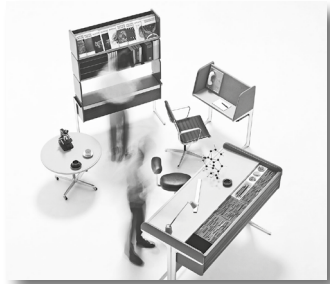
M31



A46



C12



M32



T63



A47



C11



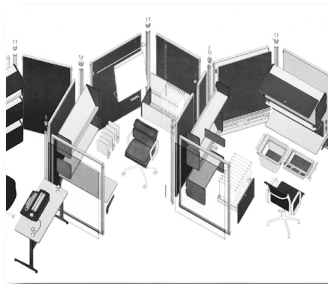
A48



A49



M33



M34



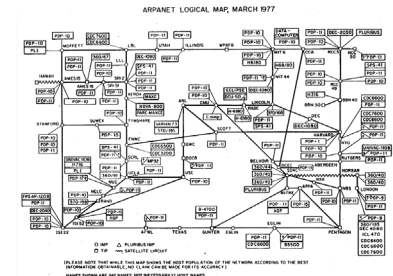
M35



M37



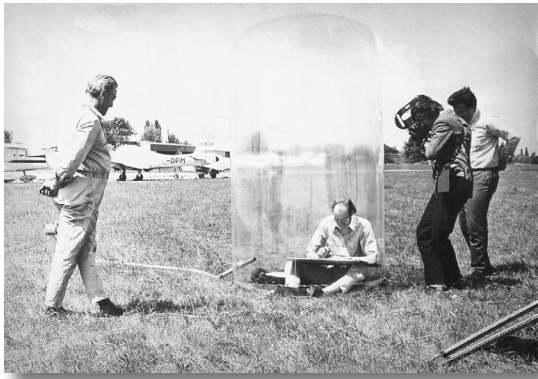
C15



T64



M36



C13



T66



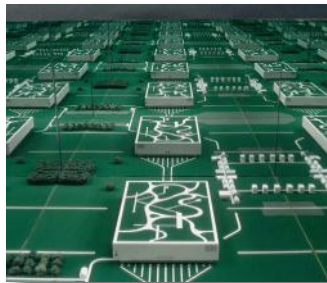
S31



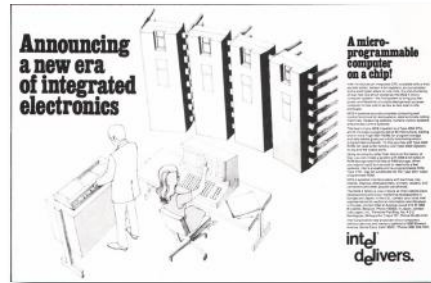
C14



A50



C16



T65

1970



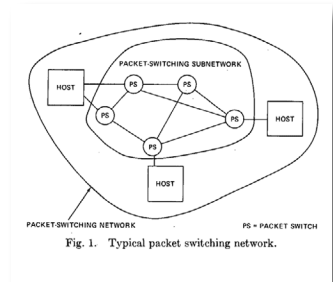
A51



T67



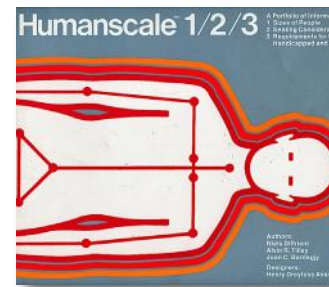
A53



T68



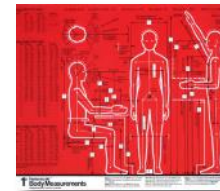
M38



S33



A52



S34



A54



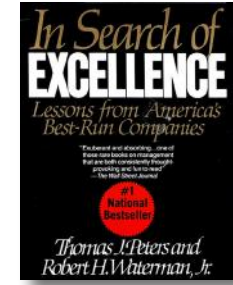
T69



M40



A55



S38



C18

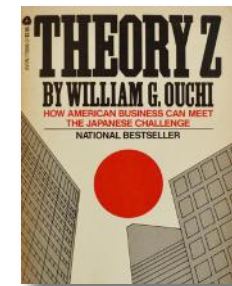
1980



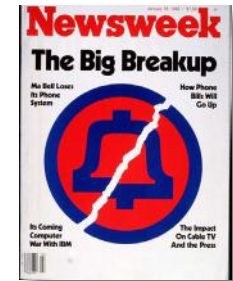
M39



S35



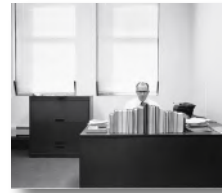
S36



S37



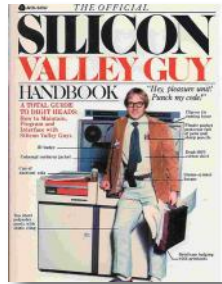
S39



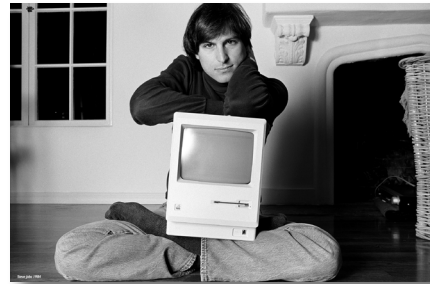
C17



S41



C19



S40



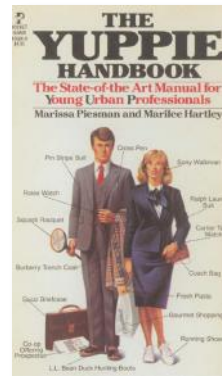
M41



A56



T70



C20



A57



C21



A59

1990



T71



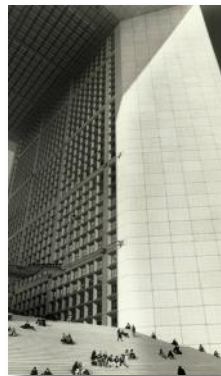
T72



M42



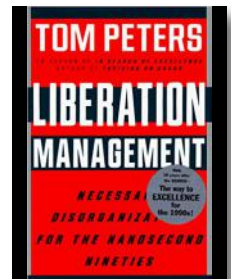
S42



S32



A58



S44



M43



S48



S43



T74



T73



S45



S49



S47



M44



S46



C22



A60



M45



C23



M47



C24



A61



M46



A62



S50



M49



A63



A64



M48



C25



A65



C26



A68



A67



A69



T75



A66



T76



M51



A71



C27

2010



M50



T77



A73



A70



A72



S51



M52



T78



M53



A74



C28



S52



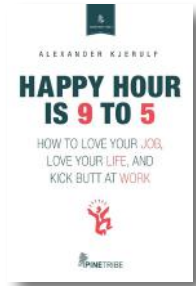
C29



A82



T79



S53



M54



A83



T81



T80



A96



C31



C30



A95

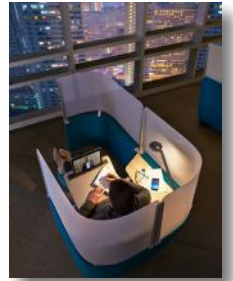
2015



A93



A75



M55



A94



A91



A97



A76



M58



M56



T82



A77



M57



T83



C32



A78



S54



M61



T84



A88



M60



S55



M59



A79



A89



A86



A84



A85



A98



A87



A81



A92



A80



M63



A90



A99



M62



S57



A100



S56



M64

crédits

t-technologies and techniques

T1

1806

Stylographic Manifold Writer (Carbon Paper)

Ralph Wedgwood

Wedgwood's 'Patent Manifold Writer for copying letters', 1834.

Crédit : Wedgwood, W R © Science Museum / Science & Society Picture Library

<http://www.ssplprints.com>

T2

1814

Steam-Powered Printing Press

Friedrich Koenig.

Source : Meggs, Philip B. A History of Graphic Design. John Wiley & Sons, Inc. 1998. (p 132)

<https://commons.wikimedia.org>

T3

1823

Ascending Room (Steam-powered Elevator)

Thomas Hornor

Interior of the Colosseum. Engraving.

Source : The Mirror of Literature, Amusement, and Instruction, Volume 13, No. 356, 1829. (p 97) (The Project Gutenberg EBook, 2004)

<http://www.gutenberg.org>

T4

1823

Ascending Room (Steam-powered Elevator)

Thomas Hornor

"The geometrical Ascent to the Galleries in the Colosseum, Regent's Park." From Graphic Illustrations of the Colosseum, Regent's Park, in Five Drawings by Gandy, Mackenzie, and other

Eminent Artists (London: R. Ackermann and Co., 1 June 1829). London Metropolitan Archives, City of London.

<http://www.virtualvictorians.org>

T5

1823-1833

Difference Engine

Charles Babbage

Source : Babbage, Henry Prevost., and Charles Babbage. Babbage's Calculating Engines: Being a Collection of Papers Relating to Them; Their History, & Construction. London: E. & F.N. Spon, 1889.

<https://digital.library.cornell.edu>

T6

1832-1837

Telegraph

Samuel Morse

Samuel Morse, ca. 1850, with an early type of printing receiver. Lithograph by John Sartain, courtesy of Smithsonian Libraries.

<http://americanhistory.si.edu>

T7

1850-1900

Glass Curtain Wall

Peter Ellis, Oriel Chambers. Liverpool, 1864.

Detail of the curtain wall, floors one to three (4th floor is flat vertical). Courtesy of Ignacio Fernández Solla

T8

1850-1900

Glass Curtain Wall

Holabird & Roche, Tacomb Building. Chicago, 1889.

Johnson, Willis Fletcher. «My country, 'tis of thee!» or, The United States of America; past, present and future. A philosophic view of American history and of our present status, to be

seen in the Columbian exhibition». Philadelphia :

J.Y. Huber Co., 1892. Page 315.

<https://www.flickr.com>

T9

1850-1900

Glass Curtain Wall

Ferrier, Claude-Marie. Crystal Palace during

The Great Exhibition, 1851: View of the South

Transept, 1851. London : Royal Collection

Trust. © Royal Collection Trust

T10

1851

Speaking Tubes

Gutta Percha Company

Advertisement for the Gutta Percha speaking

tube. c. 1851. PD

<https://commons.wikimedia.org>

T11

1852

Mechanical Typographer

John Jones

Source : US Patent No. 8,980

<https://patents.google.com>

T12

1852

Parachute Safety Device

Elisha Otis

Elisha Otis demo of his free-fall prevention

mechanism, Crystal Palace, 1854.

<https://fr.m.wikipedia.org/>

T13

1852

Parachute Safety Device

Elisha Otis

Elisha G. Otis demonstrates a working model of

his elevator at the Crystal Palace Exposition in

New York in 1853.

<https://www.history.com>

T14

1852

Parachute Safety Device

Elisha Otis

Eiffel Tower Lift And Hydraulics, 1889.

© Science Photo Library.

<http://intohistory.com>

T15

1853

Pneumatic Despatch

J Latimer Clark

Descriptive Sketch of the Transit of Telegraphic

Messages by Pneumatic System from District

Offices to the Central Station. 1899

Source : The Engineer, 18th December 1899

<http://www.douglas-self.com>

T16

1853

Pneumatic Despatch

J Latimer Clark

The Central Telegraph Office of the GPO in

London, Oct 1932

<http://www.douglas-self.com>

T17

1853

Pneumatic Despatch

J Latimer Clark

Réseau Pneumatique de Paris, 1907

<http://www.douglas-self.com>

T18

Bessemer Process

Henry Bessemer

Bessemer Converter in Pittsburgh © David

Brossard

<https://www.flickr.com>

T19

1857

Geissler Tubes

Heinrich Geissler

Drawing of Geissler tubes illuminated by their own light

Source : Augustin Privat Deschanel, Joseph

David Everett (1896) Elementary Treatise on

Natural Philosophy, Part 3: Electricity and

Magnetism, 13th Ed., D. Appleton & Co., New

York, p.2, Plate 2, translated from Privat Des-

chanel's 1869 *Traité Élémentaire de Physique* by

Joseph David Everett

<https://en.wikipedia.org>

T20

1880-1900

Skeleton Frame Construction

The Fair Store, under construction, Chicago,

Illinois. c.1892

Courtesy of Chicago Public Library

<https://www.chipublib.org>

T21

1880-1900

Skeleton Frame Construction

The Chamber of Commerce Building under

construction, Detroit, Michigan. c. 1894. PD

<https://commons.wikimedia.org>

T22

1867

Hydraulic Lift

Léon Edoux

Monte-charge hydraulique conçu en 1867 par

Léon Édoux

<https://www.france-pittoresque.com>

T23

1867

Hydraulic Lift

Léon Edoux

Monte-charge hydraulique conçu en 1867 par

Léon Édoux

<http://intohistory.com>

T24

Remington Typewriter

E. Remington and Sons

Image : Remington No. 1 Typewriter (Photo courtesy of LIFE Photo Archive)

<https://www.officemuseum.com>

T25

1876

Bell Telephone

Alexander Graham Bell

«Alexander Graham Bell Invents The Telephone»,

in The Daily Gazette, March 7, 1876

<http://couch-tuner.info>

T26

1878

Telephone Dispatch

Boston Telephone Dispatch Company, c. 1878.

<https://wonderland1981.wordpress.com>

T27

1879

Electric Lightbulb

Thomas Edison

© Edison Muckers

<http://www.edisonmuckers.org>

T28

1884

Edison's Mimeograph (Stencil Duplicating Machine)

Albert Blake Dick / Thomas Edison

Advertisement for the Edison's Mimeograph by

A.B. Dick Company, c. 1884. © A.B. Dick Company

<https://oztypewriter.blogspot.fr>

T29

1887

Comptometer

Felt & Tarrant Manufacturing Co.

Credit : Science Museum Group Collection © The

Board of Trustees of the Science Museum

<https://www.officemuseum.com>

T30

1887
Graphophone
Columbia Graphophone Company
Graphophone illustrated in Harper's Weekly in
1886. © Early Office Museum
<https://www.officemuseum.com>

T31

1887
Graphophone
Columbia Graphophone Company
1906 advertisement
Columbia Phonograph Co. New York, NY.
© Museum of Business History and Technology
(MBHT)
<https://www.officemuseum.com>

T32

1887
Graphophone
Columbia Graphophone Company. © Jack
Quinan / Early Office Museum
<https://www.officemuseum.com>

T33

1888
Burroughs' calculating machine
Arithmometer Company (today Burroughs
Corporation)
Patent drawing for Burroughs's calculating
machine, 1888. © PD
<https://en.wikipedia.org>

T34

1888
Dey Time Register (Dial Recorder)
Alexander Dey (Dey Time Register Company)
Dey Time Registers Ltd. Advertisement, c. 1911.
<http://americanhistory.si.edu>

T35

1889
Electric Tabulating System (Punched Card
Tabulator)
Herman Hollerith
Hollerith Tabulator (left) and Sorter (right), c.
1900. © United States Census Bureau
<https://www.census.gov>

T36

1889
Electric Tabulating System (Punched Card
Tabulator)
Herman Hollerith
A punched card used in the 1890s. © IBM
<http://www-03.ibm.com>

T37

1901
Type 001 keypunch
Computing-Tabulating-Recording Compagny
(CTR)
Mechanical key punch, The Tabulating Machine
Co., New York City. © Early Museum Office
<https://www.officemuseum.com>

T38

1901
Type 001 keypunch
Computing-Tabulating-Recording Compagny
(CTR)
Clerk with keypunch, 1920. © National Archives
<https://www.officemuseum.com>

T39

1902
Climatisation
Willis Haviland Carrier
© United Technologies Corporation
<http://www.williscarrier.com>

T40

1910

Neon Lamp
George Claude
© PD
<https://fr.wikipedia.org>

T41

1919
Suspended Ceiling
Eric E. Hall
Patent drawing for Suspended Ceiling, 1919. ©
PD

T42

1919
Candlestick 50 AL
Western Electric
© Kenton Kwok
<http://kentonkwok.com>

T43

1919
Candlestick 50 AL
Western Electric
Unknown, employed by the Illinois Tunnel
Company - The Chicago Daily News Almanac and
Year-Book for 1911, Chicago Daily News, 1910;
page 535. PD
<https://en.wikipedia.org>

T44

1923
Type 011 Electric Keypunch
Computing-Tabulating-Recording Compagny
(CTR)
Customeer Engineer Manual of Instruction:
Electric Punch Type 011, International Business
Machines Corporation, New York, New York
(undated). © IBM Accounting Machine
<http://www.columbia.edu>

T45

1923
Type 011 Electric Keypunch

Computing-Tabulating-Recording Compagny
(CTR)
Census worker using IBM Type 1 mechanical key
punch. © U.S. Census Bureau.
<https://www.officemuseum.com>

T46

1928
Billing Machine
Burroughs
1928 Ad Burroughs Billing Machine Invoice
Bookkeeping - Original Print Ad
<https://www.amazon.com>

T47

1921
Hollerith Type III Tabulator
Computing-Tabulating-Recording Compagny
(CTR)
Hollerith Type III Tabulator with its control panel
exposed. First model with printer. © MNRAS,
Vol.92, No.7 (1932)
<http://www.columbia.edu>

T48

1934
405 Alphabetical Accounting Machine
IBM
Photo from Grosch, Herbert R.J., Computer: Bit
Slices from a Life, Third Millenium Books, Novato
CA (1991).
<http://www.columbia.edu>

T49

1946
ENIAC (Electrical Numerical Integrator and
Computer)
John William Mauchly / Moore School of Electri-
cal Engineering. PD
<https://fr.wikipedia.org>

T50

1945

Memex
Dr. Vannevar Bush
Life 19(11), p.123 © Life
<http://history-computer.com>

T51
1946
603 Electronic Multiplier
IBM
© IBM
<http://www-03.ibm.com>

T52
1947
Memobelt
American Dictaphone Company
Ad for the Memobelt from the 1940's. ©
American Dictaphone Company
<https://creativepro.com>

T53
1888
Telautograph
Elisha Gray
Later version of the Morkrum Printing Telegraph,
eventually re-named the Teletype, c. 1910. ©
Morkrum Comagny
<http://www.baudot.net>

T54
1951
UNIVAC I (Universal Automatic Computer I)
Ecker-Maychly Computer Corporation © dr
<http://www.astrosurf.com>

T55
1952
IBM 726
IBM
© IBM
<http://www.computerhistory.org>

T56
1955

IBM 702
IBM
© Ezra Stoller

T57
1958
Silicon chip
Jack Kilby / Texas Instruments
© Texas Instruments
<http://keranews.org>

T58
1959
Dictabelt Time Master
American Dictaphone Company
Ad for the Dictabelt Time Master from 1959
<https://creativepro.com>

T59
1959
Xerox 914
Xerox
Advertising for the Xerox 914, September 1959.
© Xerox
<https://www.wfdd.org>

T60
1959
ADALINE / MADALINE (Neural Network)
Bernard Widrow and Ted Hoff
Credit : Fig. 2. ADALINE, in Bernard Widrow, An
Adaptive «Adaline» Neuron Using Chemical
«Memistors», Technical Report No. 1553-2.
Stanford, CA : Stanford University, 1960. ©
Stanford University
<https://cs.stanford.edu>

T61
1960-1988
Hypertext (Project Xanadu)
Ted Nelson
Nelson, Theodor. Computer Lib / Dream
Machines. Ted Nelson, 1974.

T62
1963
Xerox 813
Advertising for the Xerox 813. © Xerox
<https://www.pinterest.co.uk>

T63
1966
Magnafax Telecopier
Xerox
Xerox advertising, Life, June 1966 © Life
<https://www.officemuseum.com>

T64
1968
Arpanet
DARPA
Carte logique du réseau ARPANET en mars 1977,
exposée au musée de l'histoire de l'ordinateur.
© PD
<https://fr.wikipedia.org>

T65
1971
Intel 4004
Marcian Hoff, Federico Faggin / Intel. © Intel
<http://www.4004.com/>

T66
1971
Redactron
Business Data Products
Advertising for Redactron, New York Magazine,
December 1971. © New York Magazine
<https://books.google.fr>

T67
1973
Micral-N
Réalisation d'Études Électroniques (R2E). © CC
BY-SA 2.0 fr
<https://en.wikipedia.org>

T68

1974
TCP (Transmission Control Protocol) / IP (Internet
Protocol)
Vinton G. Cerf, Bob Kahn
Diagram of a packet-switching network in Vinton
Cerf and Bob Kahn, «A Protocol for Packet
Network Intercommunication» in IEEE Transac-
tions on Communications, Vol. 22, No. 5 (May
1974). New York : Institute of Electrical and
Electronics Engineers, 1974.
<https://fr.wikipedia.org>

T69
1977
Apple II
Apple Computer Inc.
«Introducing Apple II» Advertisement, 1977.
© Apple Computer Inc.

T70
1983
DynaTAC 8000X
Motorola
DynaTAC 8000X Advertisement, 1983. ©
Motorola

T71
1989
World Wide Web
Tim Berners-Lee / CERN. PD
<https://fr.wikipedia.org>

T72
1991
Webcam
James Quentin Stafford-Fraser, Paul Jardetzky /
Cambridge University
A picture of the Trojan Room coffee pot,
displayed in the XCoffee viewer. PD
<https://fr.wikipedia.org>

T73
1994

Simon Personal Communicator
IBM
IBM Simon Intro 1994. © IBM

T74
1997
Google Search
Larry Page and Sergey Brin
Google home page at <http://google.stanford.edu>,
November 1998. © Stanford Industry.

T75
2007
iPhone
Apple
«Touching is Believing» iPhone Advertisement,
2007. © Apple

T76
2008
Bitcoin
Natoshi Sakamoto
Satoshi Nakamoto – Time Man of the
Year. © CoinedBits

T77
2010
Humanyze (until 2015 Sociometric Solutions
Inc.)
© Humanyze
<https://en.wikipedia.org>

T78
2012
Hue
Philips
«The Birth Of Hue» Advertisement, Onevoice
Connect, London, Oct 2012. ©Onevoice Connect
/ Philips

T79
2013
Ethereum
Vitalik Buterin

© Ethereum

T80
2014
SenSeative
MySeat
© MySeat
<http://www.myseat.ca/?l=en>

T81
2014
Möbius
Jooxter
© Jooxter

T82
2015
Business Microscope
Hitachi
© Hitachi
<http://social-innovation.hitachi>

T83
2015
Echo
Amazon
«Just Ask» Advertisement, 2015. © Amazon

T84
2016
New Gen2
OTIS
eCall smartphone application, 2016. © OTIS

m-design and furniture

M1
1851
Centripetal Spring Armchair
Thomas E. Warren / American Chair Company
Photo by Michael Koryta and Andrew VanStyn
<http://www.slate.com>

M2
1859
Chair No. 14 (Bistro Chair)
Michael Thonet
© MoMa / Gift of Joseph H. Heil, by exchange
<https://www.moma.org>

M3
1874
Wooton's Patent Cabinet Office Secretary
William S. Wooton
Wooton Signed Victorian 1874 Patent Antique
Walnut & Burl Desk, Call Buttons. © Harp Gallery
Antique Furniture
<https://www.harpgallery.com>

M4
1874
Wooton's Patent Cabinet Office Secretary
William S. Wooton
Thomas O'Brien, notary public, sitting at his
Wooton desk (c. 1900). © Early Office Museum

M5
1874
Wooton's Patent Cabinet Office Secretary
William S. Wooton
Advertisement for the Wooton's Patent Cabinet
Office Secretary from original Wooton catalog c.
1875. © Wooton

<http://www.core77.com>

M6
1876
Furniture Caster
David Fisher
<http://www.morethanjustamummy.com>

M7
1884
Staffel Chair
Franz Staffel
Chaise Staffel, F.Staffel, 1884. © dr
<https://www.espacebureau.fr>

M8
1886
Receptacle for storing and preserving papers
Henry Brown
<https://patents.google.com>

M9
1903
Library Systems of Vertical Filing with Interchan-
geable Unit Cabinets
Library Bureau
<https://babel.hathitrust.org>

M10
1906
Mobilier du Larkin Building
Frank Lloyd Wright
Office Armchair
© 2018 Frank Lloyd Wright Foundation
<https://www.moma.org>

M11
1906
Mobilier du Larkin Building
Frank Lloyd Wright
Desk for the Larkin Company Office in Buffalo
<https://www.fastcodesign.com>

M12
1915

Modern Efficiency Desk
Steelcase Corporation (Metal Office Furniture Company)
Original Modern Efficiency Desk
<http://timeline.steelcase.com>
M13
1915
Modern Efficiency Desk
Steelcase Corporation (Metal Office Furniture Company)
621 Desk (1924)
<http://timeline.steelcase.com>
M14
1915
Modern Efficiency Desk
Steelcase Corporation (Metal Office Furniture Company)
621 Desk (1924)
<http://timeline.steelcase.com>
M15
1915
Modern Efficiency Desk
Steelcase Corporation (Metal Office Furniture Company)
621 Desk (1924)
<http://timeline.steelcase.com>
M16
1915
Modern Efficiency Desk
Steelcase Corporation (Metal Office Furniture Company)
Birth of the Brand (1921) - "Found Where Business Succeeds"
<http://timeline.steelcase.com>
M17
1932
Specialty Desk
Steelcase Corporation (Metal Office Furniture Company)
<http://timeline.steelcase.com>
M18
1932
Thonet B287 (The Growing Desk)
Bruno Weil
© Thonet
<https://www.stylepark.com>
M19
1934
Suspension File Patent
Steelcase Corporation (Metal Office Furniture Company)
<http://timeline.steelcase.com>
M20
1936
Screen 100
Artek (Alvar Aalto)
© Artek
<https://www.artek.fi>
M21
1939
Industry's First Roll-Edge Desk - 7000 Series
Steelcase Corporation
© Steelcase archives
<http://timeline.steelcase.com>
M22
1940
Johnson Wax Building's furniture
Steelcase Corporation (Metal Office Furniture Company)
<http://timeline.steelcase.com>
M23
1940
Johnson Wax Building's furniture
Steelcase Corporation (Metal Office Furniture Company)
Advertisement for the S.C. Johnson & Son, Inc.

desk
<http://timeline.steelcase.com>
M24
1945
Metal Office Furniture Co.
© Steelcase Archives
<http://timeline.steelcase.com>
M25
1946
Multiple 15
Steelcase Corporation (Metal Office Furniture Company)
<http://www.red-thread.com>
M26
1949
Executive Office Group (EOG)
George Nelson / Herman Miller (The EOG appeared in the Herman Miller catalog beginning in 1952)
© Icollector
<http://www.icollector.com>
M27
1956
Lövet Table (Flat-Pack Design)
IKEA (Gillis Lundgren)
1956 IKEA catalogue © IKEA
<https://www.dezeen.com>
M28
1950-1957
Connecticut General Life Insurance Company, Skidmore, Owings & Merrill Architects (SOM)
The Planning Unit, Hans And Florence Knoll, Interior Design
© Knoll archives
<https://www.knoll.com>
M29
1958
MAA chair
George Nelson for Herman Miller
© Herman Miller. Photograph by R. H. Hensleigh and Tim Thayer.
<https://www.hermanmiller.com>
M30
1963
Ball Chair
Adelta
© Adelta
<https://www.stylepark.com>
M31
1964
Action Office
Robert Propst for Herman Miller
Robert Propst, the designer of the revolutionary Action Office - and the accidental creator of the cubicle. c. 1964
© Herman Miller
<https://www.wired.com>
M32
1964
Action Office
Robert Propst for Herman Miller
Promotional image for Action Office I's debut in 1964.
© Herman Miller
<https://www.wired.com>
M33
1968
Action Office II
Robert Propst for Herman Miller
Herman Miller's advertising, c. 1968
© Herman Miller
<https://www.wired.com>
M34
1968
Action Office II
Robert Propst for Herman Miller

Action Office II's layout in 1968.
©Herman Miller
<https://www.wired.com>

M35
1968
Action Office II
Robert Propst for Herman Miller
The Action Office II in action
©Herman Miller
<https://www.wired.com>

M36
1968
Action Office II
Robert Propst for Herman Miller
©Herman Miller
<https://www.wired.com>

M37
1968
Sacco Bean Bag
Zanotta
Sacco chair (transparent prototype), designed by
Piero Gatti, Cesare Paolini, and Franco Teodoro,
Zanotta, Italy. © Zanotta
<https://www.switchmodern.com>

M38
1973
Series 9000
Steelcase Corporation
<http://timeline.steelcase.com>

M39
1976
Ergon Chair
William Eugene Stumpf for Herman Miller
© Herman Miller
<http://www.slate.com>

M40
1980
Balans Variable

Hans Christian Mengshoel, Peter Opsvik
© Nasjonalmuseet, Designsamlingene
<http://www.slate.com>

M41
1985
Neutral Posture Zero Gravity chair
Dr. Jerome Congleton
© Jerome Congleton
Source : <http://www.slate.com>

M42
1989
Context Furniture System
Steelcase Corporation
© Steelcase archives
<http://timeline.steelcase.com>

M43
1994
Aeron Chair
Don Chadwick and William Eugene Stumpf for
Herman Miller
© Herman Miller
<https://www.hermanmiller.com>

M44
1995
Rooms That Work
Steelcase, AT&T, Marriott
<http://timeline.steelcase.com>

M45
2000
Standby Office
König + Neurath
© König + Neurath
Source : <http://www.e-flux.com>

M46
2000
Monolite Compartment
Materia
© Materia

<http://materia.se>

M47
2000
AVL Skull
Lensvelt
© Lensvelt
<https://www.lensvelt.nl>

M48
2003
EnergyPod
MetroNaps
© MetroNaps
<http://www.metronaps.com>

M49
2006
Cheek Table & Bench
Lande
© Lande
<https://www.lande.eu>

M50
2009
media:scape
Steelcase Inc.
© Steelcase Inc.
<https://www.architonic.com>

M51
2009
Emperor
Mwe Lab
© Mwe Lab
<https://www.mwelab.com>

M52
2011
Sleep Pod
Podtime
© Working House Ltd 2011 - 2018
<http://www.podtime.co.uk>

M53

2012
Living Office
Herman Miller
© Herman Miller
<https://www.hermanmiller.fr>

M54
2014
The Hut
Götessons
© Götessons Industri AB
<https://www.architonic.com>

M55
2015
Brody WorkLounge
Steelcase
© Steelcase archives
Source : <http://timeline.steelcase.com>

M56
2015
Darma Cushion
Darma Inc.
© Darma Inc.
<http://darma.co>

M57
2015
Saent
Saent
© Saent
<https://www.saent.com>

M58
2015
Bliwe
Bliwe
© Bliwe
<http://www.bliwe.com>

M59
2016
Lift-Bit

Carlo Ratti Associati

Credit : Max Tomasinelli © Carlo Ratti Associati

<http://lift-bit.com>

M60

2016

Human Space Cube

Bosse

© AMM Aménagement / Bosse

<http://www.bosse.de>

M61

2016

Gaze Desk

Gaze Lab

© Gaze Lab

<http://www.gaze-lab.com>

M62

2017

se:connects

Sedus

© Sedus Stoll AG

<https://www.sedus.com>

M63

2017

Santini Quiet Point

A.M.O.S. DESIGN

© A.M.O.S. DESIGN s.r.o.

<http://www.amosdesign.eu>

M64

2018

Cove Lounge chair

Foster & Partners

© Foster & Partners

Source : <https://www.fosterandpartners.com>

a-ambiences

A1

1517

Jakob Fugger In His Office (with his main-accountancy M. Schwarz)

Jakob Fugger

Pen and ink on paper. Germany : Herzog Anton

Ulrich Museum. © Herzog Anton Ulrich Museum

<https://commons.wikimedia.org>

A2

1526

Erasmus of Rotterdam

Albrecht Dürer

Engraving. New York City : Metropolitan Museum

of Art. © Metropolitan Museum of Art

<https://en.wikipedia.org>

A3

1672

A Notary in His Office

Job A. Berckheijde

Oil on canvas. London : Collection of Richard

Green. © Richard Green

<https://commons.wikimedia.org>

A4

c. 1770

An Old-Time Counting Room, Fell's Point,

Baltimore, MD.

«Old Baltimore and Its Merchants,» Harper's

New Monthly Magazine, Nov. 1880.

© Early Office Museum

A5

1857

Jayne Building, 242-244 Chestnut Street, Philadelphia, Philadelphia County, PA.

Historic American Buildings Survey, Leonard

Overturf, Photographer, Spring, 1951.

<http://www.loc.gov/>

A6

1857

Haughwout & Company Building, 488-492

Broadway, New York County, NY.

Historic American Buildings Survey, Cervin

Robinson, Photographer, August 1970. - E. V.

Source : <http://www.loc.gov>

A7

1867

Wells Fargo Express Office, San Francisco.

Wells Fargo Archives. © Wells Fargo Bank

A8

1870

US Treasury Building, Washington, DC.

Women employees and a male supervisor in a

second floor office in the South wing of the U.S.

Treasury building, Washington, DC, stereoview,

1870.

Credit : Department of the Treasury, Washington,

DC. © Department of Treasury

A9

1877

Practical, Banking & Office Departments,

Eastman Business College, Poughkeepsie, NY.

© Early Office Museum

A10

1879

Leiter I Building, 200-208 West Monroe Street,

Chicago, Cook County, IL.

Historic American Buildings Survey Cervin

Robinson, Photographer, 21 July 1963 SOUTH

AND EAST ELEVATIONS FROM SOUTHWEST

<http://www.loc.gov>

A11

1883

First National Bank, Chicago, IL.

«Interior View of the First National Bank,

Chicago,» IL, 1883.

Credit : G. L. Howe and O. M. Powers, The Secrets

of Success in Business, 1883, p. 398. © Early

Office Museum

A12

1883

The Secrets of Success in Business.

Office with (from left) letter copying press, large

book-keeper's desk, and desk in the style of

Wootton and Moore, 1883.

Credit : G. L. Howe and O. M. Powers, The Secrets

of Success in Business, 1883, p. 85. © Early

Office Museum

A13

1888

Rookery Building, 209 South LaSalle Street,

Chicago, Cook County, IL.

John Wellborn Root (at right) with Daniel

Burnham Photo credit: Chicago History Museum

<https://interactive.wttw.com>

A14

1888

Rookery Building, 209 South LaSalle Street,

Chicago, Cook County, IL.

Burnham, Daniel H., Collection, 1836-1946 (bulk

1880-1925)

<http://explore.chicagocollections.org>

A15

1888

Rookery Building, 209 South LaSalle Street,

Chicago, Cook County, IL.

Nickel Richard Archive

Lobby of the Rookery Building

Reference Sources A. Sinkevitch (ed.), AIA Guide

to Chicago (2004), #164, p.78

<http://explore.chicagocollections.org>

A16

1889

Les Appartements de M. Eiffel à la plate-forme du quatrième étage (285 mètres du sol), 1900, photographes : Neurdein Frères. Fonds Gustave Eiffel Souvenir de la Tour Eiffel © Musée d'Orsay. <https://en.muzeo.com>

A17

1889
Tacoma Building, Holabird & Roche, Chicago, United States
Archival Collection Name Taylor, J.W., Photograph Collection, c.1880-1910. Photographer Taylor, J.W.

<http://explore.chicagocollections.org/>

A18

1890
The Old Office
«The Old Office,» 1890. The sign on the wall reads «Saint Paul Fire and Marine Insurance Company, St. Paul, Minn.»
© Early Office Museum

A19

1894
Stenographers at the law firm of Winkler, Flanders, Smith, Bottum, & Vilas.
Credit : Wisconsin Historical Society, Wisconsin Historical Images, No. 6992. © Wisconsin Historical Society

A20

1892
Monadnock Building, 53-55 W. Jackson Blvd. at S. Dearborn St., Chicago.
Photographer : Richard Nickel. Reference source : A. Sinkevitch (ed.), AIA Guide to Chicago (2004), #122, p.63
<http://explore.chicagocollections.org>

A21

1895
Guaranty Building (Prudential Building),

Dankmar Adler, Louis Sullivan, Buffalo, United States
Nickel and Siskind, «The Complete Architecture of Adler & Sullivan,» #186, p.406 (Pl.175, p.191), Nickel Richard Archive.
<http://explore.chicagocollections.org/>

A22

1895
Guaranty Building (Prudential Building), Dankmar Adler, Louis Sullivan, Buffalo, United States
Nickel and Siskind, «The Complete Architecture of Adler & Sullivan,» #186, p.406 (Pl.176, p.193)
<http://explore.chicagocollections.org/>

A23

1896
Metropolitan Life Insurance Company, New York, NY.
© MetLife Archive

A24

1896
Globe Co. Furniture Advertisement
Illustration from office furniture advertisement by the Globe Co., Cincinnati, Ohio, 1896. © Early Office Museum

A25

1900
Armour & Co.'s General Office, Chicago, IL.
«Panoramic Picture of Armour & Co.'s General Office, Union Stock Yards, Chicago,» Ill., by Geo. R. Lawrence Co., copyright 1900.
Credit : Library of Congress, Prints & Photographs Div., Panoramic Photographs, LC-USZ62-52759/60

A26

c. 1905
Filing Section, Metropolitan Life Insurance Co., New York, NY.

Credit : Museum of the City of New York, Byron Collection © Museum of the City of New York

A27

1906
Larkin Building, Frank Lloyd Wright, Buffalo, United States
Larkin Company Administration Building
© Ryerson & Burnham Archives
<http://digital-libraries.saic.edu>

A28

1906
Larkin Building, Frank Lloyd Wright, Buffalo, United States
Inspirational Words of the Larking Building
Interior Court : GENEROSITY ALTRUISM SACRIFICE, INTEGRITY LOYALTY FIDELITY, IMAGINATION JUDGEMENT INITIATIVE, INTELLIGENCE ENTHUSIASM CONTROL, CO-OPERATION ECONOMY INDUSTRY. Courtesy of CGM Findings.
<http://cgmfindings.tumblr.com>

A29

c. 1913
Order Entry Department, Sears, Roebuck & Co., Chicago, IL, c. 1913.
Credit : © Smithsonian Institution, National Museum of American History.

A30

1921
Ludwig Mies van der Rohe. Friedrichstrasse Skyscraper Project, Berlin-Mitte, Germany (exterior perspective from north), 1921 © MoMa
<https://www.moma.org>

A31

1922
Chicago Tribune Tower (Competition Entry) in Chicago, Illinois - Adolf Loos © the city of Prague Museum
<http://en.muzeumprahy.cz>

A32

1922
Chicago Tribune Tower (Competition Entry) in Chicago, Illinois – Hilberseimer.
Archival Collection Name Hilberseimer, Ludwig Karl, Papers, c.1885-1995 (bulk 1938-1967). Chicago collection.
<http://explore.chicagocollections.org>

A33

1924
Home Office, Victory Life Insurance Co.
Partial View of Home Office, Victory Life Insurance Co., Chicago, Illinois. Postcard. © Early Office Museum
<https://www.officemuseum.com>

A34

1929
Computing Division, Veterans Bureau, Washington DC, 1929.
© Early Office Museum

A35

1936
Giuseppe Terragni, Casa del Fascio, Como.
Conference room from the Casa del Fascio, Como, 1932-36
<http://asqimo.tumblr.com>

A36

1936
Giuseppe Terragni, Casa del Fascio, Como.
Interior of the Director's office, looking across the piazza to the duomo.
<http://rivista.clionet.it>

A37

1939
Johnson Wax Building, Frank Lloyd Wright, Racine, United States.
Highsmith, Carol M, photographer. Work area at the Johnson Wax Building, headquarters of the

S.C. Johnson and Son Co., Racine, Wisconsin.
Racine United States Wisconsin, None. [Between
1980 and 2006] Photograph.
<https://www.loc.gov>

A38

1939
Johnson Wax Building, Frank Lloyd Wright,
Racine, United States.
View towards the elevator. (c. 1955). Image © SC
Johnson
<https://www.archdaily.com>

A39

c. 1943
File Room, Pentagon, U.S. Department of
Defense, Washington, DC, World War II. © Early
Office Museum

A40

1952
Lever House, Gordon Bunshaft (SOM), New
York, United States.
Interior view. Lever Brothers office building, New
York, 1959. Lever House by Gordon Bunshaft and
SOM, New York, United States. Photography ©
Ezra Stoller, National Archives, Records of the
U.S.
<https://www.metalocus.es>

A41

1952
Lever House, Gordon Bunshaft (SOM), New
York, United States.
Interior view. Lever Brothers office building, New
York, 1959. Lever House by Gordon Bunshaft and
SOM, New York, United States. Photography ©
Ezra Stoller, National Archives, Records of the
U.S.
<https://www.metalocus.es>

A42

1958

Seagram Building, Location: New York NY,
Architect: Mies van der Rohe with Philip Johnson
© Ezra Stoller / Esto
<https://www.estostock.com>

A43

1958
Seagram Building, Location: New York NY,
Architect: Mies van der Rohe with Philip Johnson
© Ezra Stoller / Esto
<https://www.estostock.com>

A44

1960
Bureau of the pharmaceutical company Boehrin-
ger Mannheim, 1958-60, photo © Quickborner
Team
<https://www.buerolandschaft.net>

A45

1960
Bureau of the pharmaceutical company Boehrin-
ger Mannheim, 1958-60, photo © Quickborner
Team
<https://www.buerolandschaft.net>

A46

1966
Osram Headquarters, Henn Architects, Munich,
1965 © Heinrich Heidersberger
<http://www.henn.com>

A47

1966
Osram Headquarters, Henn Architects, Munich,
1965 © Heinrich Heidersberger
<http://www.henn.com>

A48

1968
Ford Foundation Building, Location: New York NY,
Architect: Roche Dinkeloo and Dan Kiley © Ezra
Stoller / Esto
<https://www.estostock.com>

A49

1968
Ford Foundation Building, Location: New York NY,
Architect: Roche Dinkeloo and Dan Kiley © Ezra
Stoller / Esto
<https://www.estostock.com>

A50

1972
Centraal Beheer Offices, Herman Hertzberger
Architecte, Apeldoorn, Netherlands, 1972.
Photographie : dr

A51

1972
Centraal Beheer Offices, Herman Hertzberger
Architecte, Apeldoorn, Netherlands, 1972.
Photographie Willem Diepraam ou Herman van
Doorn
www.ahh.nl

A52

1974
BMW Headquarter, Schwantzer architect,
Munich, Germany, 1974 © BMW Group
<http://f30.bimmerpost.com>

A53

1974
BMW Headquarter, Schwantzer architect,
Munich, Germany, 1974 © BMW Group
<http://f30.bimmerpost.com>

A54

1975
Willis Faber & Dumas Headquarters, Foster +
Partners, Ipswich, England, 1975 © Foster &
partners
<https://www.fosterandpartners.com>

A55

1975
Willis Faber & Dumas Headquarters, Foster +
Partners, Ipswich, England, 1975 © Foster &

partners
<https://www.fosterandpartners.com>

A56

1986
Lloyd's Insurance Building, Richard Rogers
architect, London © Rowan Beckworth
<http://rowanbeckworth.com>

A57

1986
Lloyd's Insurance Building, Richard Rogers
architect, London © Rowan Beckworth
<http://rowanbeckworth.com>

A58

1991
TBWA/Chiat/Day, Frank Gehry, Los Angeles,
United States, 1991.
Clive Wilkinson architects, Warehouse Conver-
sion, 1998. © Benny Chan, Fotoworks
<http://www.clivewilkinson.com>

A59

1991
TBWA/Chiat/Day, Frank Gehry, Los Angeles,
United States, 1991.
Clive Wilkinson architects, Warehouse Conver-
sion, 1998. © Benny Chan, Fotoworks
<http://www.clivewilkinson.com>

A60

2000
Pixar Animation Studios, Emeryville
© dr
www.ohmy.disney.com

A61

2001
Caja Granada Savings Bank, Alberto Campo
Baeza, Granada, Spain, 2001 © Alberto Campo
Baeza
<http://www.campobaeza.com>

A62

2001
Caja Granada Savings Bank, Alberto Campo Baeza, Granada, Spain, 2001 © Alberto Campo Baeza
<http://www.campobaeza.com>

A63
2002
Immeuble de bureaux, Lacaton & Vassal, Nantes, 2002 © Lacaton & Vassal
<https://www.lacatonvassal.com>

A64
2004
Swiss Re Tower 'The Gherkin' London © Paul Riddle Photographer
<https://www.pinterest.co.uk>

A65
2004
Swiss Re Tower 'The Gherkin' London © Paul Riddle Photographer
<https://www.pinterest.co.uk>

A66
2008
Kanagawa Institute of Technology Workshop, Junya Ishigami, Atsugi, Japan, 2008 © Iwan Baam
<https://www.espazium.ch>

A67
2008
Google EMEA Engineering HUB, Camenzind Evolution, Zurich, Switzerland, 2008 © Camenzind Evolution
<https://www.archdaily.com>

A68
2008
Google EMEA Engineering HUB, Camenzind Evolution, Zurich, Switzerland, 2008 © Camenzind Evolution
<https://www.archdaily.com>

A69
2008
Google EMEA Engineering HUB, Camenzind Evolution, Zurich, Switzerland, 2008 © Camenzind Evolution
<https://www.archdaily.com>

A70
2010
Skype HQ, Design Blitz, Palo Alto, United States, 2010 © Hoffman Chrisman & Matthew Millman
<https://www.archdaily.com>

A71
2010
Skype HQ, Design Blitz, Palo Alto, United States, 2010 © Hoffman Chrisman & Matthew Millman
<https://www.archdaily.com>

A72
2011
Red Bull Amsterdam, Sid Lee Architecture, Amsterdam, Netherlands, 2011 © Ewout Huibers
<https://archello.com>

A73
2012
Teletech, MVRDV, Dijon, France © Philippe Ruault

A74
2012
Teletech, MVRDV, Dijon, France © Philippe Ruault

A75
2015
Siège Social BETC, Jung Architectures, Pantin, France, 2015 © Philippe Garcia
<http://www.tristangodefroy.com>

A76

2015
Siège Social BETC, Jung Architectures, Pantin, France, 2015 © Philippe Garcia
<http://www.tristangodefroy.com>

A77
2016
Uber Advanced Technologies Group Center, Assembly Design Studio, Pittsburgh, United States, 2016 © Jasper Sanidad
<https://www.archdaily.com>

A78
2016
Uber Advanced Technologies Group Center, Assembly Design Studio, Pittsburgh, United States, 2016 © Jasper Sanidad
<https://www.archdaily.com>

A79
2017
Autodesk's MaRS Office, The Living, Toronto, Canada, 2017 © Ben Rahn/A-Frame
<http://www.thelivingnewyork.com/>

A80
2017
Autodesk's MaRS Office, The Living, Toronto, Canada, 2017 © Ben Rahn/A-Frame
<http://www.thelivingnewyork.com/>

A81
2017
Station F, Wilmotte & Associés, Paris, France © Patrick Tourneboeuf

A82
2014
Office for Architecture Studio and Coworking Space, As-Built, Ferrol, Spain, 2014 © Moncho Rey
<https://www.archdaily.com>

A83
2015

Remix PCE, Remix Coworking, Paris, 2015 © Will iam Beaucardet
<https://www.remixcoworking.com>

A84
2017
Primmoffice, Paris, France, 2017 © Primmoffice
<http://www.primmoffice.com>

A85
2017
Primmoffice, Paris, France, 2017 © Primmoffice
<http://www.primmoffice.com>

A86
2017
WeWork Uptown, Dallas, United States, 2017 © WeWork
<https://www.wework.com>

A87
2017
Agnelli Foundation HQ, Carlo Ratti Associati, Turin, Italy, 2017 © Carlo Ratti Associati
<http://www.carloratti.com>

A88
2017
Agnelli Foundation HQ, Carlo Ratti Associati, Turin, Italy, 2017 © Carlo Ratti Associati
<http://www.carloratti.com>

A89
2017
Cloud Coworking, Mesura, Barcelona, Spain, 2017 © Salva López
<https://www.archdaily.com>

A90
2018
Full Node, Berlin, Germany, 2018 © Full node
<https://www.fullnode.berlin>

A91

2015
Sun and Co, Edouardo Diego Herrero, Javea, Spain, 2015 © Sun and co
<https://sun-and-co.com>

A92
2017
Quarters, SEHW Architektur, Berlin, Germany 2017 © Philipp Obkircher
<http://sehwh-berlin.de>

A93
2015
BednDesk, Majorca, Spain, 2015 © BednDesk
<http://www.bedndesk.com>

A94
2015
BednDesk, Majorca, Spain, 2015 © BednDesk
<http://www.bedndesk.com>

A95
2015
BednDesk, Majorca, Spain, 2015 © BednDesk
<http://www.bedndesk.com>

A96
2015
K9, Tech Farm, Stockholm, Sweden, 2016 © Tech Farm
<https://www.techfarm.life>

A97
2015
K9, Tech Farm, Stockholm, Sweden, 2016 © Tech Farm
<https://www.techfarm.life>

A98
2017
Lime Living Space, Julie Izaguirre, Bayonne, France, 2017 © Lime
<http://limelivingspaces.com>

A99
2017

Apple Park, Foster + Partners, Cupertino, United States, 2017 © Mark Mahaney
<https://www.wallpaper.com>

A100
2017
Apple Park, Foster + Partners, Cupertino, United States, 2017 © Mark Mahaney
<https://www.wallpaper.com>

s-social contexts

S1
1850s
White collars
Vicissitudes of the Cravat. Unknown Author, Punch Magazine, 1859
<https://en.wikipedia.org>

S2
1850s
White collars
Sears, Roebuck & Co. catalog, 1897
<https://afinecollection.wordpress.com>

S3
1850s
White collars
Trade card by Donaldson Brothers, N.Y, 1895. © Donaldson Brothers
<https://library.wustl.edu>

S4
1860s-1937
Eight-Hour Movement
Chicago Workers' Slogan for the May Day Parade, 1886
<http://informativa.ba>

S5
1853
Key to an Elementary Treatise on Book-Keeping Crittenden, Samuel Worcester. Key to an Elementary Treatise on Book-Keeping. E. C. & J. Biddle, 1853.
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1890
Blessed Be Drudgery : and Other Papers Gannet, William. Blessed Be Drudgery : and Other Papers. Glasgow : D. Bryce, 1890.

Digitized by Google. Original from New York Public Library

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1892-1954
The Retail Clerks International Advocate Retail Clerks International Protective Association (Retail Clerks Union)
Retail Clerks Union. The Retail Clerks International Advocate, Vol. 27, No. 1 (January 1920). Washington : Retail Clerks International Union, 1920.
Digitized by Google. Original from Harvard University.

S8
1896
The Tall Office Building Artistically Considered Sullivan, Louis H. «The Tall Office Building Artistically Considered», in Lippincott's Monthly Magazine, v. 339 (March 1896), p. 403-409. Philadelphia : J.B. Lippincott Co., 1896.

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1905
Frederick Winslow Taylor
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<https://library.stevens.edu>

S10
1903 - 1937
Ourselves
Larkin Co. Ourselves, Volume 11, Number 1 (October 1918). Buffalo : Larkin Co., 1918.
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<https://babel.hathitrust.org>

S11
1911
The Principles of Scientific Management

Taylor, Frederick Winslow. The Principles of Scientific Management. New York, London : Harper & Brothers, 1911.

Special edition printed in February 1911, for confidential circulation among the members of the American Society of Mechanical Engineers, with the compliments of the author.

Digitized by the Internet Archive. Original from the Prelinger Library Collection.

<https://archive.org>

S12

1912-1936

The Taylor Society - A Society to Promote the Science of Management

The Taylor Society. Bulletin of the Taylor Society : A Society to Promote the Science of Management, Vol. II, No. 5 (December 1916). New York : Taylor Society, 1916.

Digitized by University of Michigan. Original from University of Michigan.

<https://babel.hathitrust.org>

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Scientific Office Management

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<https://www.amazon.com>

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The Brass Check : A Study of American Journalism

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<https://archive.org>

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Self Mastery Through Conscious Autosuggestion

Coué, Emile. Self Mastery Through Conscious Autosuggestion. New York : American Library Service Publishers, 1922.

<http://www.gutenberg.org>

S16

1933

The Human Problems of an Industrial Civilization
Mayo, Elton. The Human Problems of an Industrial Civilization. New York : Macmillan Co., 1933.

S17

1934

On the White Collar Front

Burnshaw, Stanley et al (ed). «On the White Collar Front», in New Masses, Vol. 11, No. 12 (June 19,1934). New York : The New Masses, 1934.

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The Crisis of the Middle Class

Corey, Lewis. The Crisis of the Middle Class. New York : Covici-Friede, 1935.

(Cover from the re-edition by Columbia University Press, 1994)

S19

1935

Social Security Act and National Labor Relations Act

President Franklin Roosevelt signing the

National Labor Relations Act on July 5, 1935.

With Rep. Theodore A. Peyster (D-NY, left) and

U.S.Secretary of Labor Frances Perkins (middle).

PD

<https://www.countable.us>

S20

1935

Social Security Act and National Labor Relations

Act

Social Security poster of a woman leaning on a fence post.

FDR Library Photo Collection. NPx. 53-227(1733).

<https://fdrlibrary.wordpress.com>

S21

1937

Songs of the IBM

Songs of the IBM : Fellowship Songs of International Business Machines Corporation. New York, : IBM, 1937.

<https://arstechnica.com>

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1938

Le Corbusier. Gratte-ciel, quartier de la Marine, cité des affaires. Algiers, Algeria.

Photo : Albin Salaün. © FLC/ADAGP

<http://www.fondationlecorbusier.fr>

S23

1938-1940

HP Garage

«The Birthplace of Silicon Valley», HP house and garage at 367 Addison Avenue, Palo Alto, California, 1939.

Courtesy of Keysight Technologies Historical Archives.

<https://history.keysight.com>

S24

1942

AT&T Bell Telephone Laboratories

Voorhees, Walker, Foley & Smith.

Bell Telephone Laboratories, Murray Hill, New Jersey. General view from entrance road I

Photo : Gottscho-Schleisner, Inc.

S25

1948

Cybernetics, or Control and Communication in

The Animal and The Machine

Wiener, Norbert. Cybernetics, or Control and Communication in The Animal and The Machine.

Paris : Hermann & Cie, Cambridge : The Technology Press, New York : John Wiley & Sons Inc., 1948.

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1959

The Silent Language

Hall, Edward T. The Silent Language. Greenwich, Connecticut : Fawcett Publications, 1959.

<https://www.goodreads.com>

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Comité d'entreprise et comités d'établissement
Marcel Paul et Ambroise Croizat (au centre) à la sortie du conseil des ministres le 2 juillet 1946.

Credit : Mémoires d'Humanité/Archives départementales de la Seine-Saint-Denis.

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S31

1973

Centre régional d'informatique de Nemours

François Deslaugiers
© ADAGP, Paris / Centre Pompidou, MNAM-CCI,
Dist. RMN-Grand Palais / Jean-Claude Planchet

S32
1989
La Grande Arche, La Défense, Paris.
Paul Andreu
Credit : Stephen Beer, 1990-94 Archive - La
Grande Arche - Limited Edition 1 of 5, UK. ©
Stephen Beer

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and Alvin R. Tilley and published from 1974-81.
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S35
1976
Steve Wozniak and Steve Jobs
Steve Wozniak (left) and Steve Jobs (right) sitting
at a computer in their garage, 1976. Courtesy of
Apple Computers
<http://www.nydailynews.com>

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1981
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Cover of Newsweek, Vol. XCIX, No. 3 (January 18,
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S39
1984
Niels Diffrient
Niels Diffrient in 1984. Credit John Dominis/Time
& Life Pictures, via Getty Images

S40
1984
Steve Jobs
Steve Jobs, Woodside, CA, 1984. ©Norman Seeff
<http://normanseeff.com>

S41
1987
SAS Headquarter
Niels Torp
Frøsvandavik, Stockholm, Sweden.

S42
1992-1998
Gordon Moore (Intel)
Intel co-founder (CEO 1975-1987) Gordon Moore
in his office at the Robert Noyce Building in
Santa Clara, California., several years after he
officially retired (1998). Courtesy of Intel Free
Press
<https://www.flickr.com>

S43
1996
FACE Intel (Former and Current Employees of
Intel)
FACE Intel (Former and Current Employees of
Intel) website, c. 1996. Courtesy of Rosemary J.
Coombe and Andrew Herman
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1995
Original Netscape team members
Original Netscape team members: Chris Houck,
Aleks Totic, Marc Andreessen, Jon Mittelhauser,
Jim Clark, Lou Montulli, and Rob McCool, c. 1995.
hoto : Andy Freeberg; Illinois Computer Science
Dept.
<http://www.internethistorypodcast.com>

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Marc Andreessen
Marc Andreessen on the cover of Time Magazine,
Vol. 147, No. 8 (February 19, 1996). New York :
Time Inc., 1996. Cover Credit: Sam Jones.
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1995
Freelancers Union creation
Freelancers Union creation, founded by Sara
Horowitz
Original Logo, 1995. Courtesy of the Freelancers
Union.
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S48
1995
Freelancers Union creation
Freelancers Union creation, founded by Sara
Horowitz
Subway Poster, c. 2008. Courtesy of the Freelan-
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S49
1996
Deep Blue
IBM
Credit : World chess champion Garry Kasparov
rests his head in his hands as he is seen on a
monitor during game six of the chess match
against IBM supercomputer Deep Blue , May 11,
1997. © REUTERS/Peter Morgan
<https://en.wikipedia.org>

S50
2002
Free Wi-Fi at Starbucks
Starbucks / AT&T advertisement, c. 2002. ©
Starbucks / AT&T

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AlphaGo
Google Deepmind
Google's AlphaGo Has Won Its Third Match
Against Go World Champion Lee Sedol,
2016 © AP Images

S52
2013
Seattle's Hacker House
Andy Rebele
© GeekWire

S53
2014

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Kjerulf, Alexander. Happy Hour Is 9 To 5 : How to Love Your Job, Love Your Life, and Kick Butt at Work. London : Pine Tribe, 2014.
<https://www.amazon.com>

S54

2015
Hacker House Paris
© HackerHouse Paris
S55

2016

The Next Rembrandt
ING / J. Walter Thompson Amsterdam
© ING / J. Walter Thompson Amsterdam
<https://www.jwt.com>

S56

2017
Le Club des CHO
Le Club des CHO (Chief Happiness Officers), logo. Courtesy of Le Club des CHO
<http://clubdescho.com>

S57

2017
Slock.it
Slock.it
© Slock.it GmbH

c-artistic and critical approaches

C1

1474-1475
San Girolamo nello studio
Antonello da Messina
Oil on wood. Courtesy of National Gallery, London.
<https://en.wikipedia.org>

C2

1889
The Office Boy
Parker Brothers
Board game. Salem, MA : Parker Brothers. © BoardGameGeek
<https://boardgamegeek.com>

C3

1923
The Adding Machine
Elmer Rice
Play. London : Garrick Theatre, March 1923. © USTheater, Opera, and Performance

C4

1928
The Crowd
King Vidor
Film, 98 minutes. USA : Metro-Goldwyn-Mayer (MGM). © MGM

C5

1948
Cheaper by the Dozen
Gilbreth, Frank B, Ernestine Gilbreth Carey.
Cheaper by the dozen. New York : Thomas

Crowell, 1948.

C6

1956
The Man In The Gray Flannel Suit
Nuannally Johnson
Film, 153 minutes. USA : 20th Century Fox, 1956.
© 20th Century Fox

C7

1956
House of the Future
Allison and Peter Smithson
Installation. Daily Mail Ideal Home Exhibition, London : Olympia Exhibition Centre, 1956.
Image : Parker, William L. (ed). «This is a House?», in Mechanix Illustrated, Sep. 1956. Greenwich, Conn. : Fawcett, 1956. © Mechanix Illustrated
<http://blog.modernmechanix.com>

C8

1957
The Information Machine : Creative Man and the Data Processor
Charles and Ray Eames
Animated Film, 10 minutes. Produced for IBM's pavilion at the 1958 Brussels World's Fair. USA : IBM, Encyclopaedia Britannica Educational Corporation, 1957. © Eames Office.

C9

1959
The Best of Everything
Jean Negulesco
Film, 121 minutes. USA : 20th Century Fox, 1959.
© 20th Century Fox

C10

1960
The Apartment
Billy Wilder
Film, 125 minutes. USA : United Artists, 1960. © United Artists

<https://invisibleworkfilmwritings.wordpress.com>

C11

1967
Playtime
Jacques Tati
Film, 155 minutes (with intermission and exit music). France : Les Films de Mon Oncle – Specta Films CEPEC, 1967. © Les Films de Mon Oncle – Specta Films CEPEC
<https://thespaces.com>

C12

1967
TV Helmet (Portable Living Room)
Walter Pichler
Technical device. Austria, 1967. © Walter Pichler / Contemporary Fine Arts, Berlin
<https://artselectronic.wordpress.com>

C13

1969
Mobile Office
Hans Hollein
TV Performance, Vienna, Austria, 1969. © Hans Hollein

C14

1969
Monumento Continuo
Superstudio
Drawing, photomontage. Presented at the exhibition Trigon, Graz, 1969. Un Lago di nuvole tra eterne montagne © Superstudio / Collection Frac Centre
<http://www.frac-centre.fr>

C15

1969
Istogrammi di architettura
Superstudio
Installation. Orléans : Collection Frac Centre. © Superstudio / Collection Frac Centre

<http://www.frac-centre.fr>

C16

1969
No-Stop City
Archizoom Associati
Model. Orléans : Collection Frac Centre. ©
Archizoom Associati / Collection Frac Centre
<http://www.frac-centre.fr>

C17

1984
This Was Corporate America
Chauncey Hare (text and photographs by
Chauncey Hare)
Hare, Chauncey. This Was Corporate
America. Boston : Institute of Contemporary Art,
1984.
Photo : A Study of Standard Oil Company
Employees. © Chauncey Hare

C18

1980
9 to 5
Colin Higgins
Film, 110 minutes. USA : 20th Century Fox, 1980.
© Colin Higgins / 20th Century Fox.

C19

1983
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Bell, Patty, Doug Myrland. The Official Silicon
Valley Guy Handbook. New York : Avon Books,
1983.
<https://www.amazon.com>

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1984
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Piesman, Marissa, Marilee Hartley. The Yuppie
Handbook : The State-of-the-Art Manual for
Young Urban Professionals. New York : Pocket

Books, 1984.

C21

1988
Working Girl
Mike Nichols
Film, 116 minutes. USA : 20th Century Fox, 1988.
© Mike Nichols / 20th Century Fox.

C22

1997-2000
Office 1
David Moore
Photography. © David Moore

C23

1998-2002
Les Sorties de bureaux
Valérie Jouve
C-print, 24 polyptych panels. Valérie Jouve :
Bodies, Resisting, Paris : Jeu de Paume, 2015.
© Valérie Jouve / ADAGP, Paris 2015. Courtesy
galerie Xippas, Paris
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C24

1999
Office Space
Mike Judge
Film, 89 minutes. USA : 20th Century Fox, 1999.
© Mike Judge / 20th Century Fox.

C25

2002
Casual Fridays (Table Top et Exhausted)
Maureen Connor
Commissioned for the exhibition
Rapture. London : Barbican Art Gallery. ©
Maureen Connor
Source : <http://www.maureenconnor.net>

C26

2007
Tu m'auras pas

Alain Bernardini

Photography. Virty-sur-Seine : Mac Val, 2007.
Credit : «Tu m'auras pas #58, agent(e)
d'accueil» © Collection du Mac Val
<https://journals.openedition.org>

C27

2011
All Watched Over by Machines of Loving Grace
Adam Curtis
TV Series, 180 minutes. UK : BBC Two, 2011. ©
Adam Curtis / BBC Two.

C28

2012
Ein neues Produkt (Un nouveau produit)
Harun Farocki
Film, 36 min. Germany : Harun Farocki Filmpro-
duktion, 2012. © Harun Farocki / Harun Farocki
Filmproduktion

C29

2013
Torre David
Urban Think Tank
Film, 24 min. Directed by Markus Kneer and
Daniel Schwartz. Venezuela/Switzerland, 2013.
© UTT

C30

2014
The End of Sitting
RAAF and Barbara Visser
Installation. Amsterdam : Looiersgracht 60,
2014. © Jan Kempenaers
Source : <http://www.raaaf.nl>

C31

2014
Internet Machine
Timo Arnall
Film: 6 min 40 sec, digital 4K, 25fps, stereo. Ins-
tallation: Digital projection, 3 x 16:10 screens,

each 4.85m x 2.8m. © Timo Arnall

<http://www.elasticspace.com>

C32

2015
Comfort Zone
ÅYR (FKA. Airbnb Pavilion)
Installation. London : Frieze Fair, 2015.
Credit: Plastiques Photography. Courtesy of
Plastiques Photography/Frieze.
<https://frieze.com>

