Typography is an intensely visual form of communication. Because this visible language communicates thoughts and information through human sight, its history is presented here in chronological visual form on four timelines. This evolution is shown in the context of world events, architectural development, and art history.

The first timeline predates typography. It begins with the invention of writing over five thousand years ago and ends with the invention of movable type in Europe during the middle of the fifteenth century. The second timeline covers the long era of the handpress and handset metal types. This period, from Gutenberg's invention of movable type to the end of the eighteenth century, lasted about three hundred and fifty years. In the third timeline, the Industrial Revolution and nineteenth century are revealed as an era of technological innovation and an outpouring of new typographic forms. The fourth timeline begins with the year 1900 and covers the twentieth century, when type was shaped by the aesthetic concerns of modernism, the need for functional communication, and technological progress. In the late twentieth century, the digital revolution in typography occurred, followed by the dawning of a new century and millennium.

From the origins of writing to Gutenberg's invention of movable type: 3150 B.C.-A.D. 1450

Note: Picture credits and further descriptive information for timeline illustrations start on page 302.

1.

c. 3150 B.C.: The earliest written documents are impressed clay tablets from Sumer. The signs represent clay tokens, which were used for record keeping before the invention of writing.

2.

c. 3000 B.C.: Cuneiform, a very early writing system, consisting of wedge-shaped marks on clay tablets, was invented by the Sumerians.

2500 B.C.: Egyptians begin to make papyrus, a new writing material derived from the stems of the papyrus plant.

c. 2600 B.C.: Completion of the pyramids at Giza, Egypt.

4.

c. 2400 B.C.: False-door stele inscribed with hieroglyphic writing, from Old Kingdom Egypt.

5.

c. 2100 B.C.: Cuneiform tablet listing expenditures of grain and animals.

6

c. 1800–1400 B.C.: Stonehenge, a megalithic monument of thirty-foottall stones set into circular patterns. 7.

c. 1570–1349 B.C.: Polychromed wood sculpture from New Kingdom Egypt, with hieroglyphic inscriptions.

c. 1450 B.C.: Detail, *The Book* of the Dead of Tuthmosis III, hieroglyphic writing on papyrus.



H



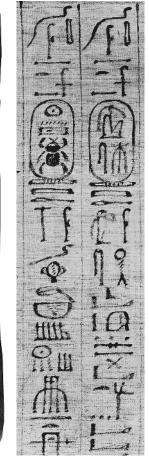
4.











8.



c. 1500 B.C.: The twenty-two characters of the Phoenician alphabet.

c. 800 B.C.: Homer writes the *Iliad* and *Odyssey*.

540 B.C.: The first public library is established in Athens, Greece.

# 10.

389 B.C.: Inscription in the Phoenician alphabet on a fragment of a marble bowl.

11.

Fourth century B.C.: Greek manuscript writing.

# 12.

448–432 B.C.: The Parthenon, temple of the goddess Athena, on the Acropolis in Athens, Greece.

# 13.

414–413 B.C.: Fragment of a Greek record of sale, carved on stone.

c. 160 B.C.: Parchment, a new writing material made from animal skins, is developed in the Greek state of Pergamum.

44 B.C.: Julius Caesar is murdered.

# 14.

c. 50 B C.-A.D. 500: Roman square capitals (capitalis quadrata) were carefully written with a flat pen.

c. A.D. 33: Crucifixion of Christ.

c. 79: Brush writing from a wall at Pompeii, preserved by the volcanic eruption of Vesuvius.

105: Ts'ai Lun invents paper in China.

150: The Roman codex, with folded pages, begins to be used alongside the rolled scroll

# 16.

c. 100–600: Roman rustic writing (capitalis rustica) conserved space by using more condensed letters written with a flat pen held in an almost vertical position.

c. 1500 B.C.



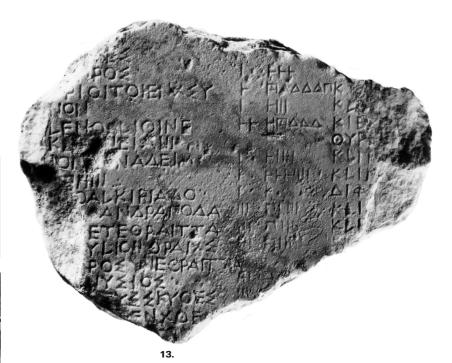
9.

# AZDYONNITENARYE AZDYONNITENARYE

11.



12.



# MARTIS Q'DOLO



15.





118-25: The Pantheon, Rome. 18.

Undated: The fluid gestural quality, harmonious proportions, and beautiful forms of Roman writing are effectively translated into the permanent stone carving of monumental capitals (capitalis monumentalis).

# 19.

312-315: Arch of Constantine, Rome. Carved into marble, monumental Roman capitals survived the thousand-year Dark Ages.

325: Emperor Constantine adopts Christianity as the state religion of the Roman Empire.

c. 400-1400: During the thousand-year medieval era, knowledge and learning are kept alive in the Christian monastery, where manuscript books are lettered in the scriptoria.

452: Attila the Hun invades and ravages northern Italy.

476: Emperor Romulus Augustulus, last ruler of the western Roman Empire, is deposed by the Ostrogoths.

533-49: Church of Sant' Apollinare in Classe, Ravenna.

21.

Third-sixth centuries: Uncials are rounded, freely drawn majuscule letters, first used by the Greeks as early as the third century B.C.

22.

Third-ninth centuries: Halfuncials, a lettering style of the Christian Church, introduces pronounced ascenders and descenders.

23.

Sixth-ninth centuries: Insular majuscules, a formal style with exaggerated serifs, was developed by Irish monks from the half-uncials.

# A.D. 118





19.



18.



musadquequamuisconsci **MITATISMOSTRACTREPIDATIO MURTAMENFIDEIXESTUINCIT** 

ന്തിഴ്ധയാത്ത

magnum quoderic

732: The Battle of Tours ends the Muslim advance into Europe.

800: Charlemagne is crowned emperor of the Holy Roman Empire by Pope Leo III.

c. 800: Portrait of Christ from The Book of Kells, a Celtic manuscript. 868: The earliest extant printed manuscript, the *Diamond*Sutra, is printed in China.

Tenth century: High Cross at Kells, Meath County, Ireland.

c. Eleventh century: Round tower on the Rock of Cashel, Tipperary County, Ireland, a lookout and refuge against Viking invaders. 27

Eighth-twelfth centuries: Caroline minuscules became the standard throughout Europe after Charlemagne issued his reform decree of 796, calling for a uniform writing style.

1034: Pi Sheng invents movable type in China.

1096–1099: The First Crusade. **28.** 

1163–1250: Construction of Notre Dame Cathedral, Paris.

29

Eleventh-twelfth centuries: Early Gothic lettering, a transitional style between Caroline minuscules and Textura, has an increased vertical emphasis.

30

Twelfth century: Bronze and copper crucifix from northern Italy.

1215: The Magna Carta grants constitutional liberties in England.

31.

Thirteenth–fifteenth centuries: Gothic Textura Quadrata, or Textura, the late Gothic style with rigorous verticality and compressed forms.

1347–1351: First wave of the Black Death, a plague that decimates the European

32.

Thirteenth century: Byzantine School, *Madonna and Child* on a Curved Throne.

A.D. 732



24.



25.



36

nostro quiscer supertinonum er agno. Et omnes angli statanti armini thromi recaterunt ratora nerint teum dicentes. amen. Bñ dictio relaritas rsapiencia rgña rum acuo. Ipnor rumus rsorum ameijo teo não inscia sclorum. ameij

est quiaucomsuporp early gothic

29.



28.



Thirteenth-fifteenth centuries: Rotunda, a more rounded Gothic letter, flourished in southern Europe.

# 34.

Fourteenth century: Lippo Memmi, Saint John the Baptist.

# 35

1420–36: Filippo Brunelleschi, dome of Florence Cathedral.

1431: Jeanne d'Arc is burned at the stake.

# 36.

Fifteenth century: First page of a block-book, *Apocalypse*. Woodblock printing probably appeared in Europe before 1400.

# 37.

1440–45: Fra Filippo Lippi, *Madonna and Child.* 

c. 1450: Johann Gutenberg invents movable type in Mainz, Germany.

# 38.

c. 1450–55: Page from Gutenberg's 42-line Bible, the first European typographic book.

# 39.

Woodblock print of the handprinting press, with compositors setting type from a typecase in the background.

# 40.

The cathedral in the medieval city of Mainz, Germany.

c. 1200



34.



37.



35.



# Gangsi'

Amipir like bedich que nos genelin: A principio assure dus chii dicim<sup>9</sup>1. n mram. Tera aumu nac înanîs n n man, gand quar that lup fant abilis n lipe din lindar lup aquae. Dixing mue, Fiarlux, Eriada i lux, Ervidu ime lucen op iller bona: 4 diniler luce e mehrîs appellanîng lucan bînu e mehras nodan. Fadûnş el velet er mane dies unua. Dixir qi dua. Fiar ກິຕາເສການເປັກການເປັດ ສວນສະຕາ ກໍານາໍ. ter aquae ab aquie. Er feur teue firmammin: diviling aquae qut car lub lirmameno ab hijo q caur lup firmammoi n fadú é ira. Coraniup brua firmammoi chii: r fadú é velye n mane dies lecid. Dixie vers deus. Longregant aque que lub edo lite in loci una a appareat acida. Le tada é îta. Li vocanir deno aridam ecram: congregacionely; equas appellante maria. Er viðir brue m eller bonű-er air. Benuinar arra babá viranan a facione lemm; a lignul pomilos facies budu insta gome lun-cul lomm in lematipo le lup cosã. La fadu é im. La promiti rora hodă virane 4 kadane lone inera geme lini: lignug kade kudû 4 kabes vrulgüg kunane loim lpedê fud. Le vicir rors peller inni: er factu eft velpe er mane dies ercive. Diring amé imo. Fiant luminaria in hemamiro edi-e dimidat dian at nadau; a luc în ligua a pa e dice a anuce ur lucăr în licuamire cli e illuminir cară. La fadu i îra, fedaș aue duo lumiaria magna: lumiare maine ur peller diei er lumiare min? ur peller nodi a llellae-a poluir eae in fernaméro odi ur lucerar lup oraï: e

gelleur biei ar un di-a bùn hereur luri ar mubrae. Er wibht de p eller bruit: ar fadu i'udige a maur bies quarrue. Distreciá del Producur aque repolle athine uius me a volunte lupar emalub linnamero eli. Leraning inco ere grandia er onune aiam uineme ang niombile qua pourear aque i licar luas a onne volade loin gen lui. Er vidir trus op eller bonni-bruediring de dicens. Erddie 4 miliplicannini-4 raplec aquae maris-audig mhipli emi lup mrā. Li ladū i velpt z mant die quine. Disti quog deve. Pro-duar erra afam vivane in gene ho-iumma a repúlia-a külas erre köm lperies luas. Fadun; e ira. Er fede ie? ictiae con incra focios fiase imome ra a unus reprile con i gener fuo. Er uibir done opellor bond-or air. Fada-mue potem ad ymagine a filmobine ະຄົດພາກ-ອົກຄາກ ຢູ່ຕົກໂຕ້ ກາໂກກຸ ສະຕິກິດກ ສຸກໂນເດະນາສະຖຸກໃຫ້ເກມ ອຸທິນີຟ ສະຕິກ ຢູ່ເກີນ repulli qui moumur i reco. Et ecanic deve hoien ad rmanini i librudini luā ad emaginē da manit illū ma foulfi a foncina convictore. Convicte q) illio deco-rair. Ledice r miniplicamînî erplacard-a Dian af-a did. nînî pîlnêm marêra voladilin birê er univerlie animārībs que mouent lup emā. Diring de? Lece dedi volif onure herbā allevure leven lup emāer unifila ligna que hiir in lauccifia lauxue gania lui-ur laucuobia i sloi ર લાતાલીક નાંતાનોક ભાગ ઉપાંતુ પ્રવીધાન ત્યાં ર પ્રયોગતીક તું મામાર્થવા માં ભારત રેં! મામોક ભી સમોપત પ્રાપક્ક પ્રાપ્ત મામેઇની ત્યો પ્રતાસ કર્માં તે કે તે તે તે તે તે તે કે તે તે કે પ્રતાસ કર્માં aunda que baxat-recăr valor bona.





39



40.

# Typography from Gutenberg to the nineteenth century: A.D. 1450–1800

The humanist philosophy that flowered during the Renaissance embraced the study of classical literature, a belief in human dignity and worth, a spirit of individualism, and a shift from religious to secular concerns.

1450–1500: Books printed in the first half-century of typographic printing are called Incunabula.

# 41.

1465: Sweynheym and Pannartz, the first type designed in Italy. It had some Roman features.

# 42.

1467: Sweynheym and Pannartz, the first Roman-style type, influenced by Roman inscriptional capitals and manuscripts written in Caroline minuscules.

# 43.

1470: Nicolas Jenson, early Venetian roman typeface.

# 44

1475: William Caxton, typography from the first book printed in the English language.

# 45.

c. 1485: Filippino Lippi, *Portrait* of a Youth.

# 46.

1486: Erhard Ratdolt, the earliest known specimen sheet of printing types.

1492: Christopher Columbus lands in America.

# **47**.

c. 1494: Scholar and printer Aldus Manutius established the Aldine Press in Venice to publish works by the great Greek and Roman thinkers.

# 48.

1495: Francesco Griffo (punch cutter for Aldus Manutius), roman type first used in *De aetna* by Pietro Bembo.

1450

bat ille ibelus: q quom þmú aules uocarei moiles ligurā pientiens ittilit eŭ ibelum uocari: ur duoc militie delectus ellet aducrius amalech qui oppugnabant lilios iliabel: et aduerlariti debellaret p nois liguram: et populu in 41.

esse sensum semural querrun. rang illi ad cogitandum rheda & quadrigis opus est. Democritus quasi in puteo quodam sic alco ut fundus sic nullus uertracem iacere demersam nimitum stulce

ab omnipotenti deo missus deus uerbum quasi lucis isi cunctis annúciat. Non hincaut altunde: sed undiq; cun ad deum uerum: græcos simul et barbaros omnem sexu 43.

# In the tyme of p troublous world/ and of the hone beyng and wygnyng as well m the rop englond and fraunce as mall other places on

44.



47



ne maria graplena dominus tecü bene

dicta tu in mulicrib' et benedictus fruct' uentris tui: Usclus chaltus amen.

思lozia laubis refonetin oze omnin patri gentrog probi piritni faneto pariter iReful tet laube per semi Labozi bus bei venbunt nobis omnia bona, laufisponozvirtul potefin a granaz actio tibi chiifte. 運加en.

Mine bedific e pittes per fembramcra. Prouber e tribuit bens omna nobis. Perficitabique beo null<sup>9</sup>in obis. Perficitabique beo null<sup>9</sup>in e parna beatit. Dec facit e tentes inturiantur opes.

Siferanns volcifica berbaroseconfiil. Siferolar peccabern fico becchilde fictor. Outropado amor inflició efficielbore má Regula es in bominos malpabes ille fictor. Mannas necessas esta é fine fine cuobis. Pominas necessas esta é fine fine cuobis.

Africa and Sequit queb fapit cumidipeno Ses aumos fruiga d'urans brunit robre Brat coburrer na sur la ricarre rous Bratza ingenis quella el debarrulla Entra ingenis quebando un parinte Entra inalaper lousse comuliare messa Beberocerance la vocarris biffer in ipose Elli in ou el Dobre reneumbarpinene.

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Committee general en gegenerateure et de la deutsche der general en deutsche deutsche deutsche des gesche deutsche des gegenerals deutsche deutsch deutsche deutsche deutsche deutsche deutsche deutsche deutsche

Pithomini uintus fulus precedior autro: unseas lagenium quecion freita periidida autro. Bitracuraj megle quio numera menis adetestite Q manique coporeis emission bouis. Si span aintus unes ne delpire quenquam da nin exadam betiana pete nice.

Namo faç landisnimbanlı poten botone Navilis fatte pell fattera genar. Namo mas oyalerbi, xadi dararelbe Nadomylus oyalergi rabadı kayandı aktalı Nagoton endiscentiform readius binibe Sadi fattifadi eğive quklmanazı Qulluç pe deşemirron müşreli menazı İsticatir müşrelmirron müşreli menazı

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eliae Teorizaki kotoloho il sukrmaziote Hippopolo Teoriza il rodina atte inipate proglindra Milarripospopoli et biscoro etta il seprepiposidi annia tillosi.

Andicie character dinerary mane riera imprefioni paratarii: Pinis.

Erbardi Karboli Augulkulle viri falerifilmipseedro ugenio vimi falerifilmipseedro ugenio vimi falerifilmipseedro ugenio vimi falerifilmipseedro ugenio vide Augulke vulcektoo aluotatifi me unperfioni oboli. Annoog falu via 100. LELE NESE SESS Lale Agenio Sober felici completut.



45.

lud admirari, quod uulgus solet: magnu esse scilicet tantas slammas, tam immen sos ignes post hominum memoriam sem 48.

1501: Francesco Griffo, the first italic typeface, based on chancery script handwriting. **50**.

Home of Albrecht Dürer, Nuremberg, Germany.

# 51.

Woodblock initial by Geoffroy Tory, who returned to France from study in Italy in 1505, inspired by roman letterforms and Renaissance design ideals.

1517: Martin Luther posts his ninety-five theses on the door of Wittenberg Palace Church, launching the Reformation.

1523: Lodovico Arrighi, an Italian writing master, introduces his formal chancery italic type.

# 53.

1525: Albrecht Dürer, construction of the letter B.

1529: Geoffroy Tory, construction of the letter B. 55.

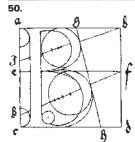
1519-47: Pierre Nepveu, Chateau of Chambord, France.

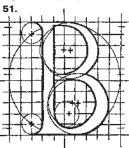
c. 1480-1561: Claude Garamond, outstanding designer of Old Style typefaces during the French Renaissance.

# 1501

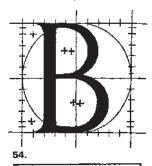


















Claude Garumont.

56.

# P.O.N-IN PRIMVM GEORGICORVM, ARGVMENTVM.

Quid faciat lætas fegoies, quæ fydera feruet A. gricola, ut facilem terram profeindat aratris, S emna quo iacienda modo, cultusq; locorum E docuit, messes magno olim fænore reddi.

# P.V.M.GEORGICORVM LIBER PRI MVS AD MOECEN ATEM

Vid faciat lætas segetes, quo sydere

V ertere Macanas, ulnus'qi adiun gere uites,

> Conueniat, quæ cura boum, quis cultus habendo

S it pecori, atq; apibus quanta experientia parcis, Hincanere incipiam. Voso clavissima mundi Lumina, labentem cælo quæducitis annum Liber, et alma Ceres, uestro si munere tellus C haoniam pingui glandem mutauit arista. Poculaq: inuentis Acheloia muscuit unis, E tuos agrestum prosentianumina Fauni, F erte simul, Fauniq; pedem, Dryadesq; puellæ, Munera ue stra cano, tuq; o cui prima frementem F udit equum magno tellus percussa tridenti N eptune, et cultor nemorum, cui pinguia Cææ I ercentum niuei tondent dumetai unenci,

I pse nemus liquens patrium, faltusq; Licæi

Dele uarie sorti de littere poi, che in questo Trattatello trouerai, se io ti uolessi ad una per una descriuere 52.

c. 1540: Titian, Portrait of Cardinal Pietro Bembo.

1543: Copernicus publishes his theory of the heliocentric solar system.

1544: Simone de Colines, title page with woodcut border.

# **59**.

1546: Jacques Kerver. typography, illustration, and decorative initials, which were combined into a rare elegance during the French Renaissance.

After 1577: El Greco, Saint Martin and the Beggar.

1582: Pope Gregory XIII initiates the Gregorian Calendar, which is still in use.

1584: Sir Walter Raleigh discovers and annexes Virginia.

# 61.

1595: Johann Theodor de Bry, illustrative initial E.

1603: Shakespeare writes Hamlet.

# 62.

1607: Carlo Maderna, façade of St. Peter's, the Vatican.

1609: Regular weekly newspapers appear in Strasbourg, Germany.

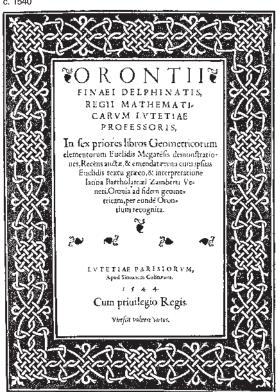
# 63.

1621: Jean Jannon, typefaces upon which twentieth-century Garamonds are based.

# 64.

1628: The Vatican Press, specimen of roman capitals.

c. 1540



# 58





# FRANCISCVS

# LIVER PREMIER DE

Palyhile recompte comme il luy fut aduis en fonge qu'il dormait «yr en dorman fe trounoit en une usiliet fermée d'une grand cloil ure en for-me de pyramude, fur laquelle estoa afoi un obelisque de mermeillenje haulteur, qu'il regards fongneufement, est par grande admiration.





A forest espouentable aianvesté par moy pullée, & apres anoir defaitle celte premiere region par le douls fortmeil qui m'anoit lors espris, ic me troutay tout de muneau en yn lieu beaucoup plus delectable que ie premier, car il effoic borde & enuironne de plaifans cotaulx verdoians, & peuplez de duerles manières d'arbres, comme chefnes, faux, planes, ormes, frailnes, charmes, tilleulz, & autres, plantez felon l'afpect du lieu. Sc abas attauers la plaine, y auoit de petitz buyf-

fons d'arbriffeaux faultraiges, come genefitz, geneuriers, bruyeres, & taina-rius, chargez de fleurs, parmy les prez croiffoient les herbes medicinales, a leauoir les trois confolides, enule, cheurefeuil, branque vefine, finefeire, perfil de macedoine, pinoyne grymamies, plantam, betoyne, & autres fimples de toutes fortes & elpces, plusteurs desquelles infestioent in agencies. Va peu plus auant que le mylieu de ceste plane, y anoit yne fablonnivere messer de petites mottes verdes, & pleine d'herbe mennette, & yn petit boys de etites mottes verdes, & pleine d'herbe mennette, & vir petit boys de palmiers, efquelz les Ligyptiès eneillent pan, vin, huille, vellement, & mcfrain pour bafur leurs fuerlles (emblorent lames d'espees, & eftonét chargées de fuités il y en auoit de grandes, moiennes, & potites, & leur ont les anciens



61.



62.

La crainte de l'Eternel est le chef de science: mais les fols mesprisent sapiece &

1632–43: The Taj Mahal, India. **66.** 

c. 1630: Sir Anthony van Dyck, portrait of *Henri II de Lorraine*.

1639: The first printing press in the British Colonies is established in Massachusetts.

1657: First fountain pen is manufactured, in Paris.

c. 1664: Jan Vermeer, *Woman Holding a Balance.* 

1666: The great fire of London.

1667: Milton publishes Paradise Lost. 68.

c. 1670: Christoffel van Dyck,Dutch Old Style type.

1686: Sir Isaac Newton sets forth his law of gravity.

1675–1710: Sir Christopher Wren, St. Paul's Cathedral, London. During the eighteenth century, type design went through a gradual transition from Old Style to Modern Style fonts designed late in the century.

1700: The emergence of the Rococo Style.

70.

1702: Philippe Grandjean (punch cutter), Romain du Roi, the first transitional face.

71.

1709: Matthaus Poppelmann, Zwinger Palace, Dresden.

1709: England adopts the first modern copyright law.

72

1720: William Caslon, Caslon Old Style types, which from this date were used throughout the British Empire.

1632





Ad me profectam esse aiebant. D. quid Quæso, igitur commorabare, ubi id



69.

sa doctrine et de ses lois. Après, il nous fait voir tous les hommes renfermés en un seul homme, et sa femme même tirée de lui; la concorde des mariages et la



67.

# ABCDEFGHIKLMN OPORSTUVWXYZJ

Quousque tandem abutere, Catilina, patientia nostra? qu Quousque tandem abutere, Catilina, patientia nostra? quam-



This new Foundery was begun in the Year 1720, and finish'd 1763; and will (with God's leave) be carried on, improved, and fularged, by WILLIAM CASLON and Son, Letter-Founders in LONDON.

TOTAKOUKKOUKKUU

**72**.



1722: Castletown, near Dublin, Ireland.

1738: First spinning machines are patented in England.

# 74.

1744: Benjamin Franklin, title page using Caslon type.

1750: François Boucher, The Love Letter.

# 76.

1750s: John Baskerville creates extraordinary transitional typefaces.

1765: Thomas Cottrell introduces display types two inches tall (shown actual size).

1768: Pierre Simon Fournier le Jeune, ornamented types.

# **79**.

1773: Johann David Steingruber, letter A from Architectonishes Alphabet. 80.

1774: John Holt, broadside of the American revolutionary era, using Caslon type.

1775: James Watt constructs the first efficient steam engine.

1776: American Declaration of Independence is signed.

# 81.

1784: François Ambroise Didot, the first true Modern Style typeface.

1789: The fall of the Bastille launches the French Revolution.

# 22

1791: Giambattista Bodoni, Modern Style typefaces of geometric construction, with hairline serifs.

1791: American Bill of Rights

guarantees freedoms of religion, speech, and the

1793: French King Louis XVI and Marie Antoinette are sent to the guillotine.

1796: Aloys Senefelder invents lithography.

1799: Nicolas-Louis Robert invents the papermaking machine.

# 1722



M. T. CICERO's

CATO MAJOR,

DISCOURSE

**OLD-AGE:** 

With Explanatory NOTES.

PHILADELPHIA:

Printed and Sold by B. FRANKLIN,

MDCCXLIV.

73.

# DIVINA COMMEDIA

LA

# DANTE ALICHIERI

ILLUSTRAZIONI

TOMO-L





PISA

DALLA TIPOCRAFIA DELLA SOCIETÀ LETTERARIA MDCCCIV.

82.



1621-1643.

To the PUBLICK

74.



lumes in-4° sur papier-vélin de la fabrique de messieurs Matthieu Johannot pere et fils, d'Annonai, premiers fabricants de cette sorte de papiers en 81.

The nineteenth century and the **Industrial Revolution:** A.D. 1800-1899

The Industrial Revolution had a dramatic impact upon typography and the graphic arts. New technology radically altered printing, and designers responded with an outpouring of new forms and images.

c. 1803: Robert Thorne designs the first Fat Face.

1804: Napoleon Bonaparte crowned Emperor of France.

1808: Beethoven composes his Fifth Symphony.

1812: Jacques-Louis David, Napoleon in His Study (detail).

1814: Friedrich Koenig invents the steam-powered printing press.

# 85.

1815: Vincent Figgins shows the first Egyptian (slab-serif) typefaces.

# 86.

1815: Vincent Figgins shows the earliest shaded type.

# 87.

1816: William Caslon IV introduces the first sans serif

# 88.

1818: Page from Manuale Tipographico, which presented the lifework of Giambattista Bodoni.

1821: Robert Thorne, Tuscan styles with splayed serifs.

1800

# 84.

83.

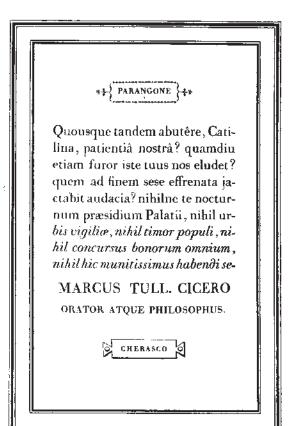


# **ABCDEFGHIJK**

# CDEFGHIKM

# LETTERFOUNDER

# Manchester



88.

1822: Thomas Jefferson, Rotunda of the University of Virginia in the neoclassical style based on Greek and Roman architecture.

1822: Joseph Niepce produces the first photographic printing plate.

# 91.

c. 1826: Bower, Bacon and Bower, early reversed type entitled White.

1826: Joseph Niepce takes the first photograph from nature.

# 92.

1827: Darius Wells invents the mechanical router, making the manufacture of large display wood types possible.

# 93.

1833: Vincent Figgins introduces outline types.

# 94.

1836: Davy and Berry, poster printed with wood type.

1830s-80s: Wood-type posters and broadsides flourished in America and Europe.

1836: Vincent Figgins, perspective type.

# 96.

1837: Handbill set in Fat Face.

1837: Victoria crowned queen of England.

# 1822











90.

# Working Men, Attention!!

George Ofice 

It is your imperious duty to drop your Hammers and Sledges! one and all, to your post repair, THIS AFTERNOON, at FIVE o'clock P. M. and attend the

# GREAT MEETING

called by the papers of this morning, to be held at the CITY HALL, then and there to co-operate with such as have the GREAT GOOD OF ALL THEIR FELLOW CITIZENS at Heart. OF ALL THERE I ELLOW CHILLING WE HERE YOUR HEREY! Year, your LABOUR!! Is the subject of the call: who that values the services of HEROES of the Revolution whose blood achieved our Independence as a Nation, will for a moment doubt he owes a few hours this afternoon to his wife and children?

HANCOCK.

HANCOCK.

94

HOUSEHOLD FURNITURE, PLATE, CHINA-WARE, JEWELS, WATCHES

96.

c. 1840-52: Sir Charles Barry and A. W. N. Pugin, Houses of Parliament, inspiration for the Gothic Revival.

# 98.

c. 1841: Wood and Sharwoods, ornamental type.

During the 1840s, ornamented type becomes increasingly important.

# 99.

1845: Robert Besley, the first Clarendon style.

1848: The California gold rush begins.

1851: Joseph Paxton designs the Crystal Palace.

# 100.

1853: Handbill combining Egyptian, outline, and decorative types.

# 101.

1854: Broadside using elongated Fat Face fonts. 1854: The United States makes its first treaty with Japan.

1856: Sir Henry Bessemer develops process for converting iron to steel.

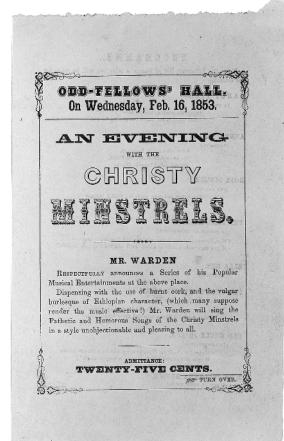
# 102.

1859: William H. Page and Company, Ornamented Clarendons.

1859: Charles Darwin publishes Origin of Species by Means of Natural Selection.

c. 1840





audacia tua? nihilne te noc dium palatii, nihil urbis vigi

AT Orange Court House Virginia, on Tuesday the 27th day of June, prox., being the day after the County Court of Orange in that month; I shall sell at public auction, to the highest bidder, that part of the Library of the late James Madison, which, in a recent division of his books with the University of Virginia, fell to the share of my testator; and at the same time I will sell other books, the property of my said testator. In all there are some

among which are many very rare and desirable works, some in Greek, some in Latin, numerous others in French, and yet more in English, in almost all the departments of Literature; not a few of them being in this manner exposed to sale only because the University possessed already copies of the same editions. The sale beginning on the day above mentioned, will be continued from day to day till all the books shall have been sold, on the following terms:

Cash will be required of each purchaser whose aggregate purchases shall amount to no more than Five dollars,; those whose purchases shall exceed that amount, will have the privilege either to pay the eash or to give bond with approved security, bearing interest from the date, and payable six months thereafter.

ELHANON ROW, Administrator, with the will annexed of John P. Todd, dec'd.

May 30, 1854.

101



98.



1860: Charleston Mercury, broadsheet announcing the dissolution of the Union.

1861-65: American Civil War.

1863: Abraham Lincoln signs the Emancipation Proclamation.

# 104.

c. 1865: Honoré Daumier: *The Third-Class Carriage*.

1866: The first successful transatlantic cable is laid.

1867: Alfred Nobel invents dynamite.

1867: Christopher Sholes constructs the first practical typewriter.

# 105.

1868: Currier and Ives, *American Homestead Winter.* **106.** 

c. 1875: J. Ottmann, chromolithographic card for Mrs. Winslow's Soothing Syrup.

1876: Alexander Graham Bell invents the telephone.

1877: Thomas Edison invents the phonograph.

1879: Thomas Edison invents the electric lightbulb.

# 107.

1883: The Brooklyn Bridge is opened to traffic.

1883: William Jenney designs the first skyscraper, a ten-story metal frame building in Chicago.

# 108.

c. 1885: Maverick & Wissinger, engraved business card.

# 109

c. 1880s: Lettering printed by chromolithography.

# 110.

1886: Ottmar Mergenthaler invents the Linotype, the first keyboard typesetting machine.

1861

# **CHARLESTON** MERCURY FXTRA: Passed unanimously at 1.15 o'clock, P. M., December 20th, 1860. AN ORDINANCE To dissolve the Union between the State of South Carolina and other States united with her under the compact entitled "The Constitution of the United States of America." We, the People of the State of South Carolina, in Convention assembled, do declare and ordain, and and that the union now subsisting between South Carolina and other States, under the name of "The United States of America," is hereby dissolved. THE UNION DISSOLVED!









106.



108.



107.



109.



110

1887: Advertisement for Estey Organs.

1887: Tolbert Lanston invents the monotype.

# 112.

1889: Alexandre Gustave Eiffel, the Eiffel Tower.

# 113.

c. 1890s: Coca-Cola syrup jug.

# 114.

1892: Paul Gauguin, *By the* 

# 115.

William Morris' typeface designs: 1890, Golden; 1892, Troy; 1893, Chaucer.

# 116.

1891–98: William Morris' Kelmscott Press launches a revival of printing and typography.

# 117.

1892: William Morris, page from *News from Nowhere*.

1887



111.





114.

This is the Golden type. This is the Troy type. This is the Chaucer type.



116.

Afloat again

# CHAPTER XXIV. UP THE THAMES. THE SECOND DAY.



HEY were not slow to take my hint; & indeed, as to the mere time of day, it was best for us to be off, as it was past seven o clock, & the day promised to bevery hot. So we got up and went down to our boat; Ellen

thoughtful and abstracted; the old man very kind and courteous, as if to make up for his crabbedness of opinion. Clara was cheerful & natural, but a little subdued, I thought; and she at least was not sorry to be gone, and often looked shyly and timidly at Ellen and herstrange wild beauty. So we got into the boat, Dick saying as he took his place, "Well, it is a fine day!" and the old man answering "What! you like that, do you?" once more; and presently Dick was sending the bows swiftly through the slow weed-checked stream. I turned round as we got into mid-stream, and waving my hand to our hosts, saw Ellen leaning on the old man's shoulder, and caressing his healthy apple-red cheek, and quite a keen pang smote me as I thoughthow I should never see the beautiful girl again. Presently I insisted on taking the sculls, and I rowed a good deal that day; which no doubt accounts for the fact that we got very late

230

113.

DELICIOUS

1893: Henri van de Velde, title page for *Van Nu en Straks.* 

1895: The Lumièire brothers give the first motion-picture presentation.

# 119.

1897: Edmond Deman, title page in the curvilinear Art Nouveau style.

# 120.

1890s–1940s: Inspired by Kelmscott, Americans Frederick Goudy and Bruce Rogers bring renewed excellence to book and typeface design.

# 121.

1897: Will Bradley, title page in his "Chap Book" style, reviving Caslon type and colonial woodcut techniques.

1898: Zeppelin invents his airship.

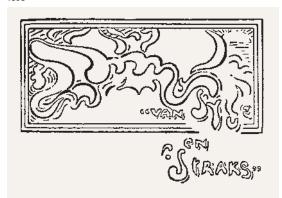
# 122.

1899: Josef Hoffmann, catalogue cover for a Vienna Secession exhibition.

# 123.

1898–1902: Hector Guimard, entrance to Paris Metro Station.

1893



118.





FRED-W-GOUDY DESIGNING 940 FINE ARTS BUILDING BOOK AND CATALOGUE COVERS. BODERNS, 1011/14L LETTERS, ADVERTISEMENTS, IN.

INITIAL LETTERS, ADVERTISEMENTS, Ex.

120

122.

# A LADY OF QUALITY

Being a most curious, hitherto onknown history, as related by Mr. Isaac Bickerstaff but not presented to the World of Fashion through the pages of The Tatler, and now for the first time written down by

Frances Hodgson Burnett



New York: Prom the Publishing House of CHARLES SCRIBNER'S SONS, 153-157 Fifth Avenue. MDCCCKCPII.

121.



123.

# Typography in the twentieth century: 1900-2000.

The twentieth century was a period of incredible ferment and change. Unprecedented advances in science and technology, and revolutionary developments in art and design have left their marks on typography.

# 124.

1900: Peter Behrens, dedication page from Feste des Lebens und der Künst.

1903: The Wright brothers succeed in the first powered flight.

1905: Einstein proposes his theory of relativity.

# 125.

1909: Filippo Marinetti founds Futurism, experimentation with typographic form and

c. 1910: German sans-serif "block style."

# 127.

1913: Wassily Kandinsky, Improvisation 31 (Sea Battle). 1914-18: World War I.

c. 1915: Kasimir Malevich, Suprematist painting shown at the 0.10 group exhibition launching Suprematism.

c. 1916: Bert Thomas, British war bonds poster.

1917-22: The Dada movement protests the war and conventional art.

# 129.

1917: John Heartfield, Dadaist advertisement.

# 130.

1917: Vilmos Huszar, De Stijl magazine cover.

1918: Czar Nicholas II and his family are executed.

# 131.

1919: Raoul Hausmann, Dada poem.







125.

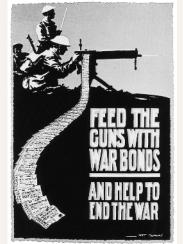


127.

# Soeben erschienen!



129.



128.



MAANDBLAD VOOR DE MO-DERNE BEELDENDE VAKKEN REDACTIE THEO VAN DOES-BURG MET MEDEWERKING VAN VOORNAME BINNEN-EN BUITENLANDSCHE KUNSTE-MAARS, UITGAVE X. HARMS TIEPEN TE DELFT IN 1817.

130.



1920: Women's suffrage is granted in the United States.

1920: Bolsheviks triumph in the Russian Revolution. 132.

1921-25: Piet Mondrian, Diamond Painting in Red, Yellow, and Blue.

# 133.

c. 1923: Alexander Rodchenko, Russian Constructivist poster.

1924: Surrealist manifesto.

# 134.

1924: Gerrit Rietveld, Schroeder house.

# 135.

1925: El Lissitzky, title page.

# 136.

1925: Herbert Bayer, universal alphabet.

# 137.

1925: Constantin Brancusi, Bird in Space.

# 138.

1925: Jan Tschichold, title page for his article "Elementary Typography."

# 139.

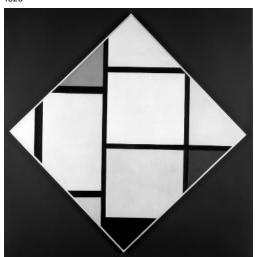
1926: Piet Zwart, advertisement.

1927: Charles Lindbergh makes the first solo Atlantic flight.

# 140.

1928: Piet Zwart, advertisement.

# 1920





133.



















137.

# bauhaus

1929: The New York Stock Market collapses, and the Great Depression begins. 141.

1930: Paul Renner, prospectus for Futura.

# 142.

1930: Chrysler Building, an example of Art Deco decorative geometric style. 143.

1931: Max Bill, exhibition poster.

# 144.

c. 1932: Alexey Brodovitch, exhibition poster.

1933: Adolf Hitler becomes chancellor of Germany.

145.

1936: Walker Evans, photograph of sharecropper family.

1939: Germany invades Poland; World War II begins.

146.

1942: Jean Carlu, advertisement.

147.

1944: Max Bill, exhibition poster.

1945: Atomic bombs destroy Hiroshima and Nagasaki; World War II ends.

148.

1948: Paul Rand, title page.

1929

# **FUTURA** DIE SICH DIE WELT

**EROBERTE** 

141.

147.







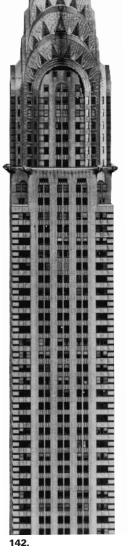


143. 148.









1948: Willem de Kooning, Painting.

# 150.

1950: Ladislav Sutnar, book cover.

1950: North Korea invades South Korea.

# 151.

1950-55: Le Corbusier, Notre Dame de Haut.

1952: School segregation is declared unconstitutional by the Supreme Court.

# 152.

1952: Henri Matisse, Woman with Amphora and Pomegranates.

# 153.

1955: Josef Muller-Brockmann, concert poster.

# 154.

1956: Saul Bass, advertisement.

# 155.

1956: Willem Sandberg, book cover.

1957: Russia launches Sputnik I, the first Earth satellite.

# 156.

1959: Saul Bass, film title.

1959: Frank Lloyd Wright, the Guggenheim Museum, New York.

# 158.

1958: Carlo L. Vivarelli, magazine cover.

# 1948



# **Neue Grafik** New Graphic Design Graphisme actuel

in a medium of 2 display of 1 and 1 display is a color with a first or the first of 1 and 1 display is the first of 1 and 1 display of 1 and 1 display is the first of 1 display of 1 display is the first of 1 display of 1 displ

Hermocopers, or Buildings to the smith much gift have to be a connected to Describer fac. Minding Pendenting In professional local

# 158.

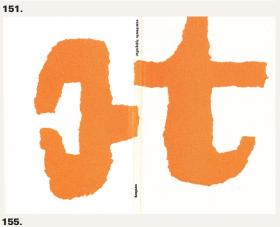


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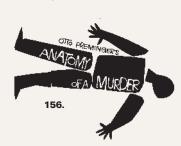


150.





154.



1959: Henry Wolf, magazine cover.

# 160.

c. 1959: Gerald Holton, "peace symbol."

# 161.

1959: Otto Storch, figurative typography.

# 162.

1960: Karl Gerstner, advertisement.

c. 1960: Herb Lubalin, advertisement.

# 164.

c. 1961: George Lois,

pharmaceutical

advertisement.

# 165.

1962: Eero Saarinen, Dulles International Airport.

1963: President John F. Kennedy is assassinated.

# 166.

1965: Seymour Chwast and Milton Glaser, poster.

1965: The U.S. Marines land in force in Vietnam.

# 167.

1966: George Lois, magazine cover.

# 1959



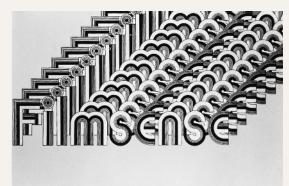




161.



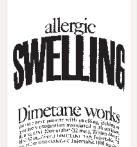




162. 166.

# ugh!'ly?

ugh!'ly?





c. 1968: Seymour Chwast and Milton Glaser, poster.

# 169.

1968: R. Buckminster Fuller, American Pavilion, Montreal World's Fair.

# 170.

c. 1967: Symbol for the environmental movement.

# 171.

1969: First Moon walk.

# 172.

1972: Wolfgang Weingart, typographic interpretation of a poem.

# 173.

1974: Herb Lubalin, newspaper cover.

# 174.

1974: Cook and Shanosky, standard symbol signs.

1975: The Vietnam War ends.

# 175.

1976: American bicentennial, symbol design by Bruce Blackburn.

# 1968



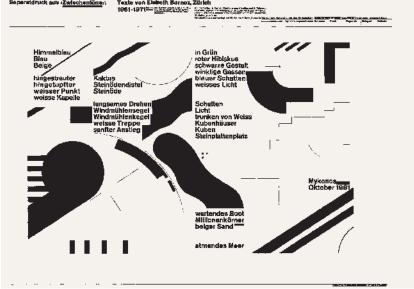
# 168.



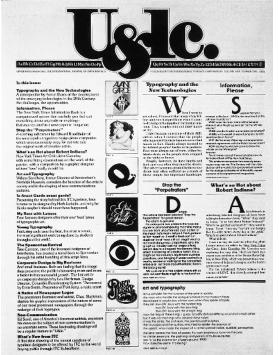
169.



170.



172.

















175.



1977: Pompidou National Center of Arts and Culture, Paris.

# 177.

1977: Bill Bonnell, RyderTypes trademark.

# 178.

1978: Willi Kunz, poster design.

# 179.

1979: Richard Greenberg, film titles.

1979: Soviet troops invade Afganistan.

1980s: Digital typography and computer technology impact typographic design, leading to electronic page design by the end of the decade.

1981: Bitstream founded; first independent digital type foundry.

# 180.

1982: Pat Gorman and Frank Olinsky, Manhattan Design, MTV logo.

# 181.

1983: Michael Graves, Portland, Oregon, city hall.

# 182.

1984: Warren Lehrer, page from *French Fries*.

1984: Apple Macintosh computer, first laser printer, and PageMaker page layout software are introduced.

# 183.

1985: Zuzana Licko, Emperor, early bitmapped typeface designs. 1986: Fontographer software makes possible highresolution font design on desktop computers.

1988: Tiananmen Square massacre.

# 1977



176





179.



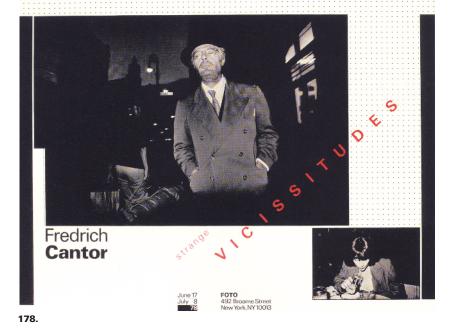
MUSIC TELEVISION
180.

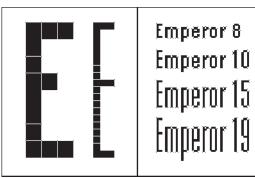


..................



182.





183.

1990: David Carson, page from *Beach Culture*.

# 185.

1991: Ted Mader + Associates, book jacket.

Experimental digital typefaces:

186.

1990: Barry Deck, Template Gothic (Emigre).

187.

c. 1991: Jonathan Barnbrook, Exocet Heavy (Emigre).

188.

1993: Jonathan Hoefler, HTF Fetish No. 338.

1990: Reunification of Germany.

189.

1991: Erik Spiekermann, Meta (FontShop).

1991: Persian Gulf War.

1991: Fall of Communism in

Russia; apartheid ends in South Africa.

190.

1992: Robert Slimbach and Carol Twombley, Myriad, Adobe's first Multiple Master typeface.

191.

1992: Ron Kellum, Topix logo.

192.

1993: James Victore, Racism poster.

193.

1994: Netscape founded, early Web browser.

1990



184.



185.

# **ABCDEFGHIJK**

187.

186.

# ABCDEFGMOL

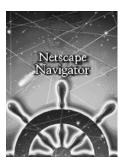
188.

# EXCESSIVE?

189.

# MetaMetaMetaMeta







1994: Matthew Carter, Walker typeface with "snap-on" serifs.

195.

1995: Landor Associates, Xerox/The Document Company logo.

# 196.

1996: Stefan Sagmeister, poster.

197.

1997: Frank Gehry, Guggenheim Museum, Bilbao, Spain.

1997: Dolly the sheep, first adult animal clone.

198.

1997: Paula Scher and Keith Daigle, book jacket.

Digital versions of classical typefaces:

199.

1989: Robert Slimback, Adobe Garamond.

200.

1994–95: Janice Fishman, Holly Goldsmith, Jim Parkinson, and Sumner Stone, ITC Bodoni.

201.

c. 1996: Zuzana Licko, Mrs. Eaves roman.

202.

1998: Neville Brody, conference poster.

1994









Adobe Garamond

199.

195.

194.

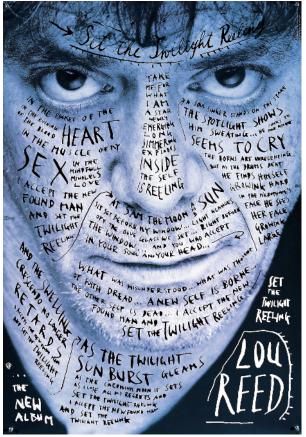
ITC Bodoni Roman

200.

Mrs. Eaves Roman



202.



196.

# A new century and millennium begin: 2000

203.

2000: Wolfgang Weingart, book cover.

2001: Terrorists attack the World Trade Center towers and Pentagon.

204.

2001: Jennifer Sterling, calendar page (detail).

2001: Mirko Ilić Corp., cover for Antiwall: Calendar of the New Art and Contemporary Life.

206.

205.

2001: Jim Sherraden, book cover for Hatch Show Print.

207.

2002: Irma Boom, telephone card.

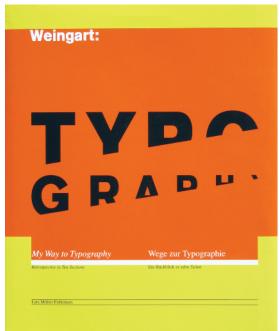
2003: The United States invades Iraq.

208.

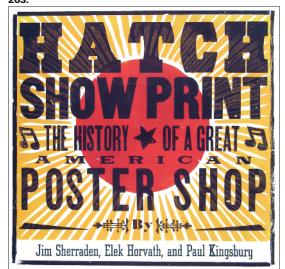
2003: Philippe Apeloig, poster.

2004: A powerful earthquake in Southeast Asia causes a tsunami, killing tens of thousands of people in nearly a dozen countries.

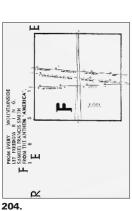
2000



203.



206.





205.



208.



2003: Max Kisman, typeface poster.

# 210.

2004: Jianping He, Page from Hesign International, GmbH, website

# 211.

2005: Lawrence Weiner, typographic installation.

# 212.

2005: Mevis & Van Deursen, book cover.

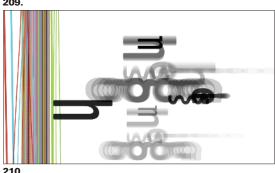
# 213.

2005: Jean-Benoît Lévy, Swiss Einstein stamp.

# 2004









211.





212.