

University of the Arts London
Professorial Platform 2014

More
things can
happen
than will,
or have

Professor

Neil
Cummings



A nighttime photograph of a city skyline with fireworks exploding in the dark sky. In the foreground, a large stadium with a checkered facade is illuminated, and a bridge with streetlights spans across the scene. The water in the foreground reflects the lights from the stadium and bridge.

2063

Chelsea Cluster
centenary celebrations.
In all our intensities,
we are celebrating.

2062

Future wellbeing overwrites debt as a source of value production.

2061

The Cluster co-institutes economies of trust and attention. Local skirmishes of capture break out, there is a diffused sense of emergency, a low-grade war in the political economy of attention.

2059

At the Helium-3 colony, nanotech swarms mine off-world resources.

2057

UN-M *Report on Human Mobility* records that almost 720 million people are currently residing in a city outside their place of birth, with resource stress implications on regions of origin, transit, and destination.

2056

Chelsea Cluster sponsored Article 39, UN-MDHR, adopted.

2054

Our *Composite* meshwork is live. Protected by the GPL v4, all data, information and knowledge, every archive, database, collection, and DNA storage device is accessible live, and in real time.



2053

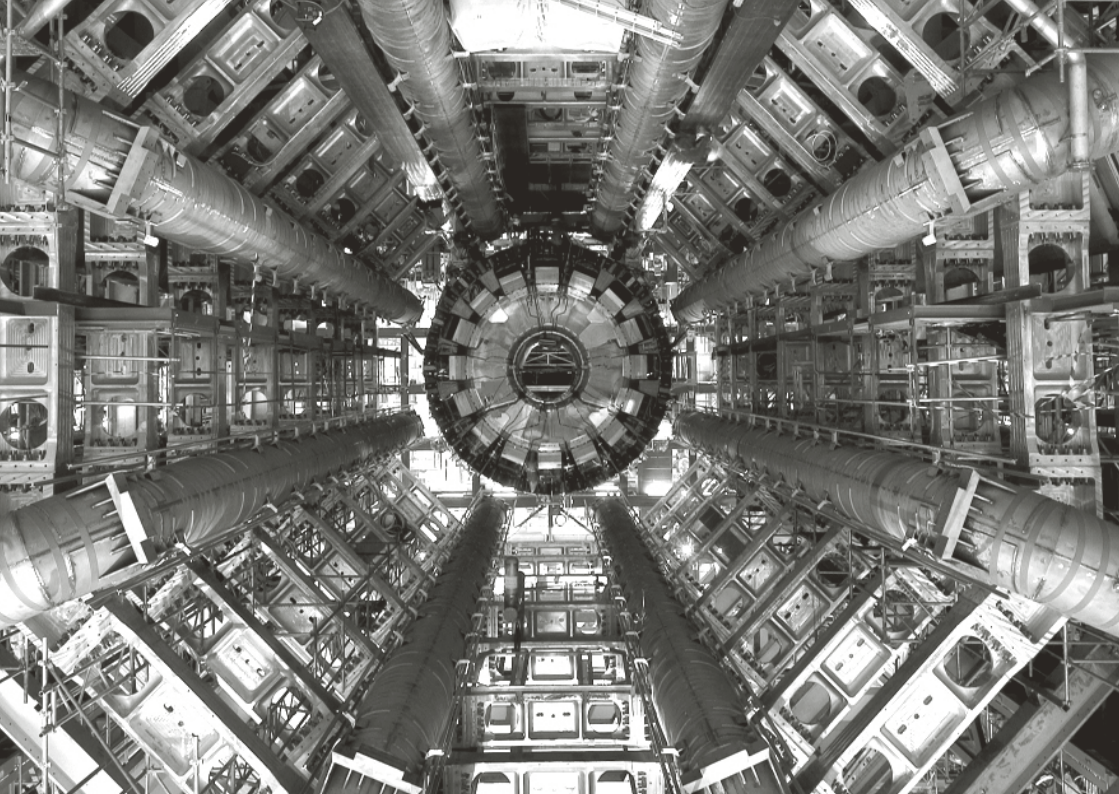
With the production of assemblies for 1:1 replication, singularity is overwritten by difference.

2052

Ecology of Fear
research and
exhibitionary network
explores the legacy of
conflict, war and terror.

2051

Real-time dissensus overwrites
majority voting in governance.



2049

Chelsea's agent cluster propose and lobby for Article 39 UN-MDHR, to extend rights to organic-synthetic assemblies.

2050

Constituted in July, the African Multitude (AM) associates through assemblies, working groups, clusters and adhocracies, active in and through some 53 states.

2048

Cadarache Research Centre in southern France commission the Faraday Experimental Reactor (FER), and nuclear fusion finally comes on stream.

2047

Resource-rich exhibition, *Almost Real: Composite Consciousness* is the Clusters' exploration of logistical, distributed 'subject' relations, and the social identity of those present, and those not.

2045

Private energy and critical service infrastructures begin to be taken into local Multitude stewardship. P2P energy is the largest local currency, transacted globally.

2045

Collective recall of the first assembly of the School of Art and Design, located on Manresa Rd, London, on its 150th anniversary.

2043

Overwhelming Intellectual Property (IP), Patent and Copyright dissent encourages the UN–Multitude Commons Legislation to revert restrictive property terms, to a standard 15 years.

2041

The Cluster's co-developed Multitude Affinity Index (M_AI) is deployed. The index measures how logistical assemblies experience their emotional connections with others, and the strength of those relationships.

2040

Rising costs, extreme climate fluctuations and waves of nutritional stress produce a Resource Crisis in Europe. There is a leaking away of source social capitals like affinity, trust and generosity.

2039

War Child; a Century of War is a year-long Chelsea Cluster programme of experimental mnemonic practice.

2039

The Cluster's first Simpatia Building in Fortaleza, in the Ceará region of Brazil experiments with additively manufactured habitats, responsive to emotional economies.

2038

Denmark declared first carbon-neutral regional economy, and Copenhagen (2035) the first retrofitted carbon-neutral city—Masdar City in Abu Dhabi was purpose built and passive in 2023.

2037

The Chelsea Cluster is at root, as agency overwrites spectatorship.

2037

Organic-synthetic assemblies pass 1950s Turing Test, an evolutionary firewall is breached.

2036

Neural headsets widely available with intellectual and emotional firewalls. Firewalls produce the securities necessary for connected privacy, ordered liberty and democratic self government.



2036

Asymmetric exchange between emergent Multitudes and disintegrating nation states triggers exchange wars. The Nigeria Congress introduce a standard social wage of ¥200 per month: it's soon implemented throughout the continent.



2035

Co-produced with the Victoria & Albert Museum (V&A), London, the cluster recalls the bicentenary of the 1835 Select Committee of Arts and Manufactures.

2035

Trust, circulating through logistical systems of attention—systems of capture, accumulation, and distribution—produce new ecologies of value. The Chelsea Cluster is a super-node in these economies.

2034

Operating System: Governance social research adds an executable function to the Cluster's research and exhibitionary core.

2033

Carbon Tipping Point (CTP) hydrocarbon use peaks, emissions recorded at 42.7 Gtons. Median life expectancy reaches 100.

2032

Various global models of Multitude Governance are at work—e.g. adhocracies, convivias, grupos de afinidad—within dynamic processes of development, composed of regional identities and interest communities.

2031

Singularity Art Bond market suspended, coincides with mass private museum collapse; collections revert to the commons under local Multitude stewardship.

2031

Wales is the first EU region to declare two meat-free days—Thursday and Friday—following the lead of Algeria, Indonesia, US—Multitude, and Argentina.

2030

Sovereign Debt markets seize, trillions of Aggregate Assets (AAs) are wiped off indices. Panic ensues, trust evaporates triggering a partial banking collapse. Giant mutuals pour liquidity into institutions, financial markets begin to reorientate around sustainable asset classes.

2030

United Arab League (UAL) records that education, research, culture and tourism account for a greater proportion of the Wellbeing Index (WI) than hydrocarbon exports.

2029

Resilience Accounting legislation, and Ethical Rating agencies redirect asset valuations and speculative capital flows to socially productive assemblies.

2027

The Great Refusal, mass boycott of representational democratic processes.

2029

The Chelsea Creative Cluster's landmark research *Transactional Aesthetics*, attends to the lines of force, the transactions that produce subjects, objects and institutions.

2028

In December at the Academy for Organic Architecture at Ranchi, West Bengal, a prototype self-organising organic-synthetic assembly displays the ability to sense, calculate and act.

2026

The University of the Arts; Europe (UAE), and Asia (UAA), consisting of 14 campuses, 47,845 students and staff, are absorbed into the Christie's Group.

2026

Chelsea Creative Cluster; nodes emerge in fledgling African, East Asian and Brazilian Multitudes.





2025

At the *iCommons* Governance Summit in São Paulo, Brazil, guidelines are drafted, proposed and implemented on Radical Transparency.

2025

Chelsea Cluster initiates *Ex Habere: The Practice of Exhibition*.

2024

University of the Arts; Asia (UAA) merges with the Frieze Art Academies. Art asset classes and market distribution systems bifurcate from emergent creative practice.

2023

The UN–M *Resource Strategy* reports that speculative financial technologies force an additional 75 million people into starvation. Resource markets are firewalled from algo-trading; Nutritional Commons founded.

2022

The Singularity Art Bond is issued by the Solomon R. Guggenheim Foundation in co-operation with Barclays Capital Management of the British Virgin Islands; market convened.



2019

Foundation of the Multitude Global Civil Society Coalition, Madrid. The Multitude develops social protocols for scalable local governance and administration.

2021

First Additive Fabrication Network (AFN) organises in Brazil. The New Industrial Convergence marks the end of the factory, and the beginning of local, hub and spoke distributed assemblies.

2021

Frieze Art Academy opens in Beijing, China. First of the asset academies, others soon follow in Singapore, Seoul, and the Cayman Islands.

2020

iCommons knowledge meshwork, a precursor to Composite is initiated by the Multitude. Protected by GPL v4, *iCommons* begins as an index of all resources currently held in common.



2019

Officially recognised
in the UN–Population
Division Outlook on
Global Mobility: the
first Climate Refugees.

2019

Core components, Central
St Martins (CSM) and London
College of Communication (LCC)
devolve from UAL.

2018

UBUNTU_M, a lean FLOSS stack for
mobile devices extends commons
knowledge and banking practices
to the previously disenfranchised.
53.4% of the global population are
subsequently connected.

2018

The emerging Chelsea Arts Cluster,
the ICA and Canonical reimagine
Cybernetic Serendipity through
multiple locations.

2017

Tate Abu Dhabi opens in the Cultural
District of Saadiyat Island, near
Masdar City.

2017

Chelsea
College of Arts,
devolves from
the UAL, regains
independent art
college status.
Partnerships
emerge with
Open School
East, Papered
Parlour, London
FabLabs, MayDay
Rooms and
The Showroom.

AA



ArtAuction
TransactionTax

Sotheby's

2017

UAL opens a new branch, the first in East Asia, University of the Arts; Shanghai (UAS).

2016

The Art Auction Transaction Tax (AATT) is a boutique secondary art market micro-tax. Revenues raised resource primary sites of creativity; public education, commonwealth assemblies, and emerging art practices.

2016

Arts Council England disbanded. UK Government removes cap from university fees and enables market price-point setting.

2016

Global auction franchises acquire a range of commercial and public/private galleries in major art market consolidation. Opening of Tate Modern v2.0, London.

2015

Cultures of Resilience associates.

2015

The World Bank and regional market regulators introduce a blanket micro-tax of 0.05% on every financial transaction. Transaction Tax resources begin to flow from financial trading to state treasuries.

2014

UN's Intergovernmental Panel on Climate Change, confirms real time affects—melting sea ice and thawing permafrost in the Arctic, heat waves, drought, heavy rains, threats to global food stocks, and human security.

2013

Open School East is a free study programme emphasizing cooperation, experimentation, knowledge and skills exchange between artists, local residents, neighbourhood organisations and broader publics, in East London.

2012

In January, the UK Government increased university tuition fees to £9,000 a year. Transformation of the public university into a public/private institution. Conflicts crystallise in knowledge, and its production.

2011

Various Occupy factions, including Occupy Finance, coalesce as the Rolling Jubilee Fund (RJF). RJF buy tranches of personal debt, and then annul them. Debt begins to replace labour as a social bond.

2010

Procesos de Archivo at Intermediæ in Madrid is an experimental programme for contemporary creative practice, aimed at producing an immanent institution.

2010

WikiLeaks marks the division of information into private monopolies, state darkpools, and the emerging commonwealth.

2009

The Bitcoin protocol is the first large-scale, global, cryptographic FLOSS, peer-to-peer electronic currency meshwork.

2009

MayDay Rooms launch in London as a (counter) institution dedicated to collecting, preserving, and enabling access to archives of dissent and radical expression.

2009

Sotheby's sponsor Tate Britain Commissions, London.

2008

US and Europe financial collapse, as 20 year debt bubble bursts. Private financial institutions are rescued through massive public intervention, wealth concentrates as risk is socialised.



2008

Christie's auction house buys Haunch of Venison, a blue-chip commercial gallery, and initiates a slow collapse between the historic division of primary and secondary art markets.

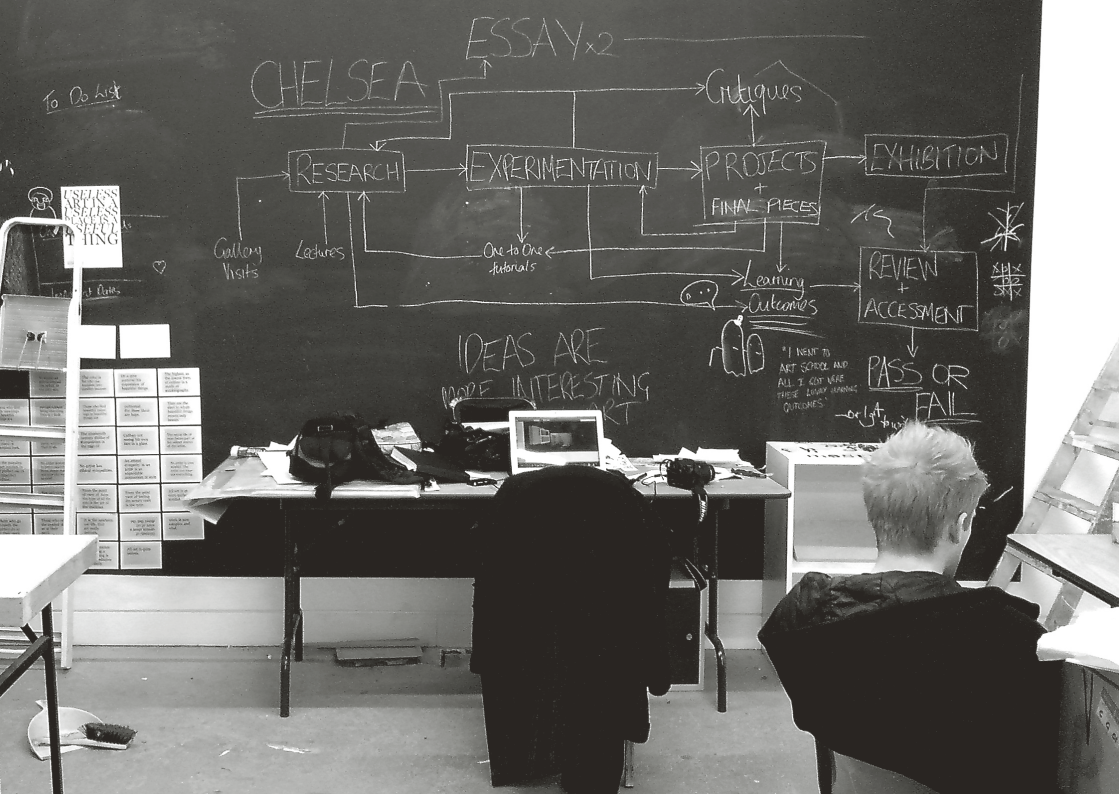
2008

At the Van Abbemuseum, Eindhoven director Charles Esche invites artists, curators and visitors to *Plug In* to the museum, according to self-initiated exchanges.

2007

19 of Kenya's 44 million population subscribe, and a quarter of the country's money economy flow through M-Pesa, a digital peer-currency mobile banking meshwork.





2006

Chelsea College of Art and Design relocates to the Royal Army Medical College campus, adjacent to Tate Britain, Millbank, London. Clusters with Wimbledon and Camberwell College of Arts as UAL: CCW.

2006

The UN's Svalbard Global Seed Vault, Norway, begins to collect and store a re-bootable backup of our plant germplasm.

2005

Financial derivatives market is old-US \$516 trillion annually, ten times world Gross Domestic Product (GDP).

2005

FLOSS code and ethics meets digital fabrication techniques in GNUcraft. In 2008, GNUcraft in Bristol release the source code of the Darwin Rep-Rap, a self-replicating fabricator.



2004

Critical Practice, a cluster of individual artists, researchers, academics and others, hosted by Chelsea College of Art and Design, London, develop critical practice within art, the field of culture and its organisation.



critical thinking

2004

The London Institute is granted University status and renamed University of the Arts London (UAL). Chelsea College of Art and Design is one of the five constituent colleges.

2001

Battle of Orgreave, Jeremy Deller, Orgreave, UK, recreates a defining moment for de-industrialised Britain, and fuses some of the legacies of institutional critique with artworks that engage directly in social processes.

2000

The Human Genome Project (HGP) release the 3 billion DNA letter sequence of the human genome, the 'software of life', into the commons.

2000

Tate Modern is London's first dedicated museum of modern art, it attracts some five million visitors and generates an estimated old-UK £100m in economic benefits in the first year; the 'museum effect'.



1999

School for the History and Theory of Images, Belgrade, Serbia, dissolves the academies of arts, philosophy, sociology, and ethnology to encourage new theoretical debates in contemporary visual practice.

1999

European Union standardises and enables the rapid commercialisation of public Higher Education with the *Bologna Declaration*. Countries adopt common standards to encourage the convergence of EduFactories.

1999

Hou Hanru and Hans-Ulrich Obrist's exhibition *Cities On The Move*, Hayward Gallery, London, takes the Asian city as its subject, has multiple international iterations and mutates in each venue.



1998

Curiosity
privatised as
Google Search
is released:

"Google's mission is to organise the world's information and make it universally accessible and useful."

1998

Old-UK £1,000 tuition fee is introduced to undergraduate and postgraduate certificate students in UK Universities.

1998

A coalition of enthusiasts develop a model of research-practice that is innovative and radically public at the Sarai Centre for the Study of Developing Societies (SCSDS) Delhi, India.

1997

In the UK, the Department for Culture, Media and Sport (DCMS) aims to improve the quality of life for all, through cultural and sporting activities, tourism, and the creative industries.

1996

First cloned mammal, Dolly the sheep.

1994

The European Graduate School, Saas-Fee, Switzerland, is founded by the non-profit European Foundation of Interdisciplinary Studies.

1994

A percentage of profits from gambling—UK National Lottery—funds ‘capital’ cultural projects, and precipitates an unprecedented (since the 19th Century) regional Gallery and Museum building programme.

1994

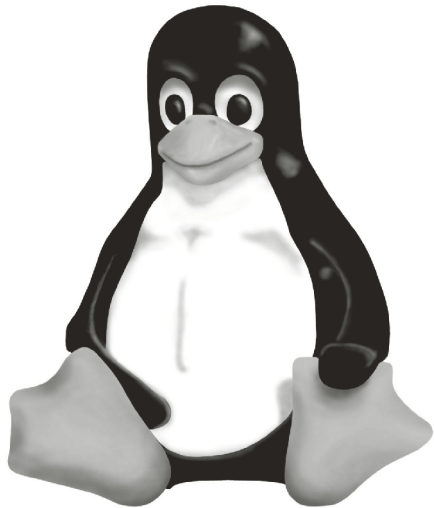
Andrea Fraser and Helmut Draxler produce *Services*, in Luneburg, Germany. The evolving exhibition, public working group discussion, and publication, becomes a manifesto for the second generation of Institutional Critique.

1993

New Tate Gallery branch opens, St Ives, England.

1992

Political activist and proponent of Institutional Critique, Fred Wilson, takes social justice as his subject and the museum as his medium in *Mining the Museum*, Baltimore, USA.



1991

Linux operating system, a core language component of the fledgling Knowledge Commons is released.

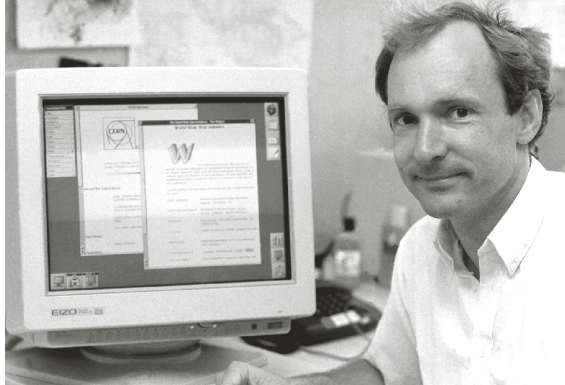


1991

frieze magazine first published.

1990

Founded by Monica Ross and Anne Tallentire, Critical Fine Art Practice at Central St Martins, London, explores theory and practice as equally important, and interrelated aspects of creative education.



1989

Tim Berners-Lee at CERN, Switzerland, designs the architecture and publishes the protocols of a primitive network of networks, and the World Wide Web (www).

1989

Cold War ends: collapse of European Communist states, dissolution of the USSR.

1989

The first branch in the ever expanding UK collection of modern art opens as Tate Liverpool.



1989

Unable to enter the tightly controlled circuit of London commercial galleries, young, ambitious and entrepreneurial artists self-organise *Freeze*, in an abandoned warehouse.

1988

Pontus Hulten's Institut des Hautes Etudes en Arts Plastiques in Paris, explored a Socratic education and exhibitionary model through a discursive emphasis and avoidance of administrative structures.

1988

Chris Yetton introduces a part-time MA in Theory and Practice for practicing artists at Chelsea College of Art and Design, London.

1987

Goldsmiths Fine Art Department, University of London, dissolve media-specific departments and introduce 'the crit'—a collective negative critique—as a central method of studio practice.



1986

Chelsea School of Art and Design becomes a constituent of the London Institute, formed to associate and manage London's preeminent art, design, fashion and media schools in a collegiate structure.

1986

Digitally networked global financial markets 'freed' from state regulation produce the *Big Bang*. Exponential market expansion and a debt bubble follows, as does the financialisation of everyday life.

1985

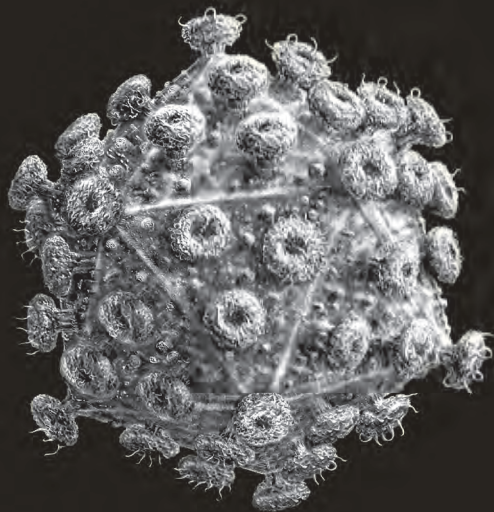
Produced by Richard Stallman and Eben Moglen the Free Software Foundation and the General Public License (GPL), protect the freedom to use, modify and share languages with others.

1985

Jean-Francois Lyotard and Thierry Chaput install *Les Immateriaux*, Centre Georges Pompidou, Paris. The exhibition is reimagined a site of research, and a place to practice with philosophical concepts.

1982

At the Warsaw Academy of Fine Arts, Grzegorz Kowalski transforms a studio space into a laboratory for artistic actions, performances and interpersonal relations.



1978

Viral pandemic as the HIV AIDS virus is identified in USA and Sweden.

1973

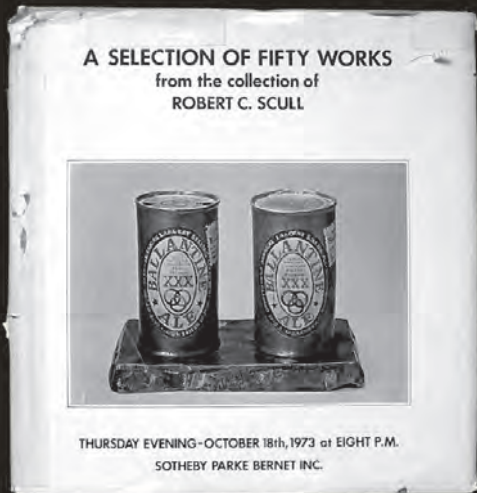
John Berger presents *Ways of Seeing*, BBC Television. A social history of art which suggests that *seeing* is inflected by class, gender, ideology and economics; all the forces traditional art history obscures.

1973

Michael Asher develops a method of intensive group critique that focuses on a single artwork for sustained periods, sometimes days. It becomes The Post Studio Class, California Institute of the Arts, Valencia, USA.

1972

Joseph Beuys introduces *social sculpture* to describe the educational interplay between spiritual, material and social spheres at the Free International University of Creativity and Interdisciplinary Research (FIUWAC), Dusseldorf, Germany.



1973

The first speculative financial market for contemporary art is performed and enacted when the Robert Scull Collection is sold at Sotheby's, NY.

1971

Female students working together produce *Womanhouse* at California State University, Fresno, USA. An exhibition, performance and consciousness-raising workshops take place in a house that they are simultaneously restoring.

1971

David Hall—a member of APG—creates *Seven Television Pieces* for Scottish Television, a series of three-minute video artworks, inserted like adverts into regular TV programming.



1970

Arpanet is the first electronic, digital, nodal information network.

1969

With *Live In Your Head. When Attitude Becomes Form*, at the Kunsthalle, Bern, Harald Szeemann changes curatorial practice. From 'taking care', to creating, finding funding and producing an artwork, or exhibition.

1969

A loose-knit group of over 300 artists, critics, writers, and arts administrators form the *Art Workers Coalition* (AWC), NY, and begin an artistic critique of the institutions of art.

1969

Peter Kardia introduces the "A" Course at St Martins School of Art, London, including the infamous *Locked Room Experiment*, part of the *Materials Project*.

1969

Terry Atkinson and Michael Baldwin build the *Art Theory* course, Coventry College of Art, Coventry. An art school pedagogy founded upon analytic philosophy.

1968

The Whitney Independent Study Programme, NY, is an educational program that encourages the theoretical and critical study of the practices, institutions, and discourses that constitute the field of culture.

1968

Curator Jasia Reichardt, inspired by Norbert Wiener's cybernetics—explores the feedback loops between technology and creativity in *Cybernetic Serendipity* at the ICA, London.

1967

Novia Scotia College of Arts and Design, Halifax, Canada, is a key institution in the development of Conceptual Art, especially through its publications department.

1966

In London, John Latham and Barbara Steveni as the Artist Placement Group (APG) place artists into industry, business and government. They intend their social exchanges to transform institutional structures, and art practice.

1963

ASCII language translates human readable text into standard machine code.



1963

Chelsea School of Art is re-launched in a purpose-built campus in Manresa Road, Chelsea, London. Coldstream inspired courses integrate history and complementary studies with studio practice.

1961

The Vostok 1 rocket enables Yuri Gagarin to be the first man to leave, orbit our planet, and return.

1961

Roy Ascott is appointed head of the Foundation Course at Ealing Art College, London, and renames it Groundcourse in reference to learning from the ground up.

1960

The Coldstream Report to the National Advisory Council on Art Education upgrades art education to a recognised degree level, and installes *Basic Design* courses as Foundation Courses, throughout UK art schools.

1959

American mine owner and philanthropist Solomon R. Guggenheim collects and exhibits his preeminent collection of modern and contemporary art at the Guggenheim Museum, in NY.

1958

Curator Pontus Hulten and a few friends organise a small studio for experimental exhibitions and film screenings, slowly this evolves into the first Modern Art museum in Europe, Moderna Museet, Stockholm.

1956

The Independent Group—a group of theorists, artists and architects curate *This is Tomorrow*, Whitechapel Gallery, London. Its the first exhibition of popular everyday experience; pop-art, in the UK.

1956

At the New School of Social Research, NY, John Cage lectures on everything from chance, Buddhism, experimental sound composition, systems, to mycology and Marshall McLuhan.

1954

Based on a loose interpretation of the Bauhaus' 'basic course', *Basic Design* is a method and teaching philosophy introduced at Newcastle and Leeds art colleges, UK.



1951

Organised by
CoLD as
a centennial
echo of the
Great Exhibition,
the Festival of
Britain on the
South Bank,
London.

1950

Mathematician Alan Turing, in his paper *Computing Machinery and Intelligence* proposes a method to deduce when intelligence of a human level could be evinced by a machine assembly; The Turing Test.

1948

Universal Declaration of Human Rights enshrines in law 'Four Basic Freedoms': freedom of speech, freedom of assembly, freedom from fear and freedom from want.

1948

A UK National Health Service is quickly followed by education, public infrastructures and social security to form The Welfare State.

1947

Andre Malraux in Paris publishes *Le Musée Imaginaire* (The Museum without Walls). He suggests that the invention of mass-reproduction has introduced a permanent exhibition, and that we live in a super-museum.

1947

A loose group of artists, poets and writers initiate the Institute of Contemporary Art (ICA), London, as a 'laboratory' or 'playground' for contemporary arts; a counterpoint to the idea of a Museum of Modern Art.

1945

Initiated by economist John Maynard Keynes, as an arms-length government organisation, the Arts Council of Great Britain funds 46 art organisations.

1944

A UK Government agency, the Council for Industrial Design (CoID) is founded to kick start consumerism after the horror of WWII through promoting the design of material things. Becomes the Design Council in 1972.



1939–45

Second World War

1937

Over 5,000 artworks are seized by German Nazi authorities, and exhibited to incite revulsion against a 'perverse Jewish spirit' permeating culture. The exhibition of *Degenerate Art*, opens at the Archaeological Museum, Berlin.

1937

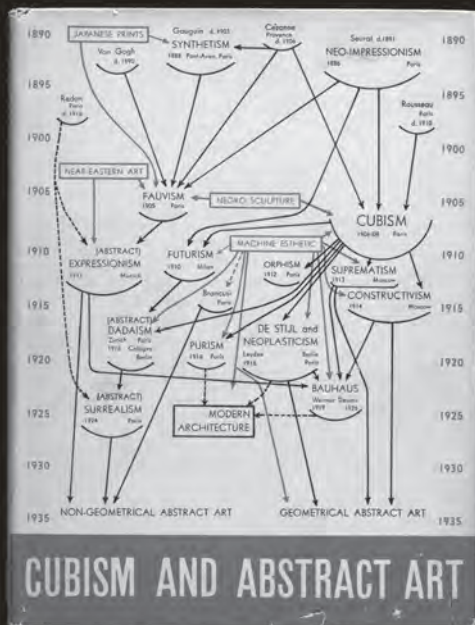
A revolutionary and progressive art school based on ideas of interdisciplinary education, pioneered at the Bauhaus, opens as The Black Mountain School, in North Carolina, USA.

1931

A group of radical artists, the "a.r." group begin collecting and exhibiting the most important artists of their time, and exhibiting them at what will become Muzeum Sztuki in Łódź, Poland.

1930

Chelsea School of Art adds a new course in Commercial Art, to participate in the burgeoning 'mass' or popular communicative media.



1929

At the opening of the Museum of Modern Art (MoMA), New York, director Alfred H. Barr adds Architecture, Design, Film and Photography to the traditional departments of Painting, Sculpture, Drawings, and Prints.

1928

The Representation of the People (Equal Franchise) Act, enables women to participate in the political process in the UK.

1928

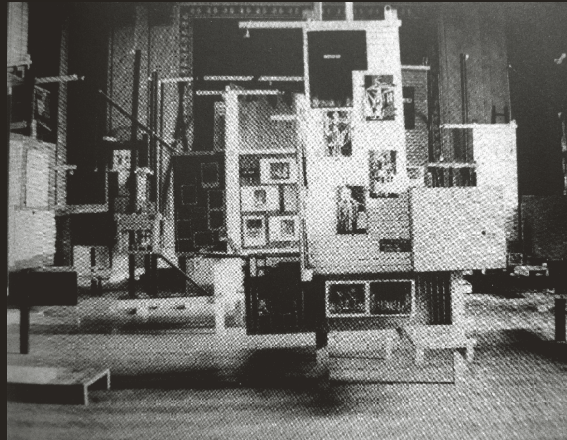
US banking crisis, credit tightens globally, banks fail, businesses collapse, citizens starve—The Great Depression.

1927

In Selfridge's department store, London, England, John Logie Baird transmits the first televised images in motion.

1925

At the Landesmuseum, Hannover, Director Alexander Dorner, radically re-organises the collection so that each historical period is simply and logically exhibited. Routes through the museum narrate a chronological history of art.



1924

Architect Frederick Kiesler creates the L+T System, a flexible and independent display structure to present objects, images and artifacts at the *International Exhibition of New Theatre Techniques*, Vienna, Austria.

1920

Courses in graphics, sculpture, architecture, printing, textiles, ceramics, woodworking, and metalworking at VKhUTEMAS (Higher Art and Technical Studios) in Moscow, Russia, produces three avant-garde movements—Constructivism, Rationalism, and Suprematism.

1919

Bauhaus School of Design is founded by Walter Gropius in Weimar, Germany. The school bridges the gap between art, architecture, craft and industry, and develops innovative teaching methods.

1918

UK Government pass *The Representation of the People Act* enabling the enfranchisement of the majority of males over the age of 18.

1908

The South-Western Polytechnic School of Art merges with the Hammersmith School of Art, to form the semi-autonomous Chelsea School of Art, in a new building at Lime Grove, London.

1905

Theory of Relativity, Albert Einstein

1901

Canon Barnett and his wife Henrietta found the first publicly-funded gallery for temporary exhibitions in London. The Whitechapel Art Gallery is to “bring great art to the people of the East End of London”. Its first exhibition attracts 206,000 people.

1914–18

First World War

1897

Sir Henry Tate, a sugar magnate, philanthropist and major collector of Victorian art offers his collection, as a gift, to the nation. The gift creates the National Gallery of British Art, soon to become Tate Gallery, London.

1895

The Lumière brothers organise the first public cinema screening of *Sortie des Usines* (Workers Leaving the Lumière Factory), in Paris.

1895

A biennale is initiated in Venice, Italy, to help convene an international market for art.

1895

At the South-Western Polytechnic Institute in London, a School of Art and Design is founded to educate the poorer inhabitants of West London. Studios and workshops are in Manresa Road, Chelsea.

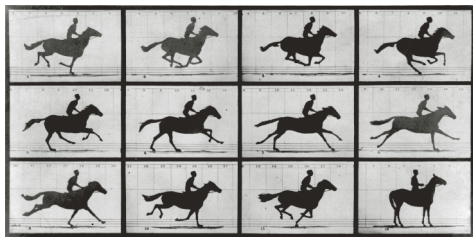
1892

Gustave Moreau's atelier at the École des Beaux-Arts, in Paris, introduces radical teaching methods that are influential on the Fauves: Matisse, Marquet, and Rouault.

1888

Kodak's Box Camera and processing system marks the advent of popular, and amateur photography:

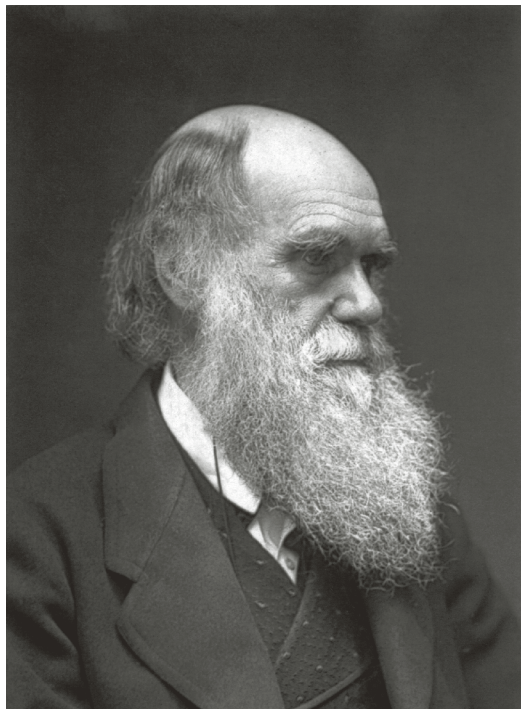
"You press the button, we do the rest."



THE HORSE IN MOTION.
EADWEARD MUYBRIDGE.
"GALLIE GARDNER," owned by LELAND STANFORD, running a gallop over the Palo Alto track, Feb. 25th, 1878.
The negative of this image was used as a basis for a series of photographs of a horse and rider in motion, taken by Eadweard Muybridge.

1879

Eadweard Muybridge working in San Francisco, USA, sows the seed of motion pictures, with the development of high-speed cameras and sequential images.



1859

Charles Darwin publishes *On the Origin of Species*. Darwin's research proves that all the rich diversity of life arises by common descent, from a single ancestral cell, rather than from godly creation.



1873

The Colt 45 handgun, produced in the USA, pioneers interchangeable mass-produced components, vital for the continuous-flow production of industrial manufacturing: birth of the modern factory.

1868

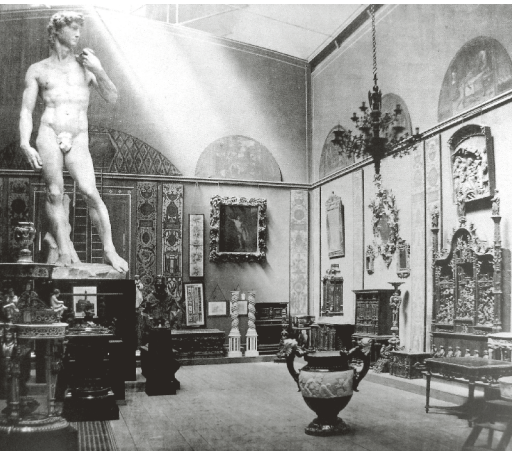
The Slade opens at University College, London. It's the first English art school to offer female students equal opportunities to study.

1853

Henry Cole is appointed head of the new Department of Practical Art which includes the Museum of Manufactures and the Government School of Design, both located in Marlborough House, London.

1857

Inspired by the Great Exhibition, the wealthy merchants of Manchester assemble over 16,000 painting and sculptures from private collections, in a spectacular public *Art Treasures Exhibition*, in Old Trafford.



1851

The Morse telegraph system, is a simple assembly for encoding, information. Transmitted through a copper-wire network, it vastly expands communication.

1855

22nd June the South Kensington Museum opens, London.

"Schools of Art are there to instruct the young, but Museums are there to instruct young and old."—Henry Cole



1851

Henry Cole is a prime mover in the astonishing *Great Exhibition of the Works of Industry of all Nations*, London. The Great Exhibition is an extraordinary celebration of modern industrial technology, art, design and manufacturing.

1839

Louis Daguerre is the first to patent a mechanical/chemical photographic process, Paris, France.

1837

The first public Government School of Design is initiated in Somerset House, London. After a shaky start, Scottish painter William Dyce becomes the Superintendent, and develops an appropriate curriculum.

1837

Charles Babbage, working with Eva Lovelace, designs a general-purpose mechanical engine. The Analytical Engine is able to receive, store, process and output information; functions central to computational assemblies.

1835

The Select Committee of Arts and Manufactures concludes that new UK institutions have to be established to produce better educated artists and designers, and a more knowledgeable public for their products.

1830

King Friedrich Wilhelm III of Prussia commissions Karl Friedrich Schinkel to build a public museum to exhibit the devolved royal art collection, The Altes Museum, Berlin.

1768

The Royal Academy of Arts is founded in London, by King George III, to promote Fine Art in Britain through private education and public exhibition.

1762

In order to improve the quality of manufactured goods in France, the Ecole des Arts Decoratifs is installed in Paris.

1754

The Royal Society for the Encouragement of Arts, Manufactures and Commerce, is founded in London. Its Charter promises to "Embolden enterprise, enlarge science, refine art, improve our manufacturers and extend our commerce."



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