



1948 C. E. SHANNON  
 A MATHEMATICAL THEORY OF COMMUNICATION  
 1957-60 City Properties  
 1940 JOHN CAGE 4'33"  
 (noise)  
 1953 CRICK & WATSON  
 HELICAL STRUCTURE OF DNA  
 1955 LHC CERN  
 1948 UNIVAC UNIVERSAL DATE COMPUTER  
 1953 HANS RICHTER AND ANITA ANNE MITCHELL  
 OXFORD UNIVERSITY PRESS

1957  
 1957  
 1958  
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1963  
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1965  
 1966



Selective timeline for media art, ideas, works, issues, books and their context  
 • Industrial revolution...1814 the Train  
 G.S.1826..Niepce (the first photography)...1839 cell theory •T Schwann and M Schleiden...1848 K Marx - communist manifesto...1896 Lumiere brothers (first projected filmed images)...1834 zoetrope...1877 praxinoscope...1879 Edward Muybridge's zoopraxiscope...1900 Max Planck Quantum physics...1903 Airplane - Wright brothers...1911 Atomic structure - Nils Bohr and E Rutherford...1914-1918 World War I "10 million died, more than 20 million wounded...1915 A. Einstein • General Relativity (Space/Time continuum is curved by the gravity of objects)...1916 Francis Picabia "Machine tourne vite"...DADA the innovative movement ...1920 M. Duchamp - optique...1933 Laszlo Moholy Nagy - sculpture cinétique...1939 - '45 World War II ...1945 US atomic bomb on Hiroshima and Nagasaki...1945-1989 Communism in East Europe... 1948 Claude Elwood Shannon: 'A mathematical theory of communication' a seminal paper in Information theory...1949 Nineteen Eighty-Four George Orwell...1952 John Cage 4'33" experiment (noise)...Univac Universal Date Computer...Alan Turing Love Letters...1953 Crick and Watson: helical structure of DNA, basis for molecular biology...1956 Nicolas Schöffer CYP 1, première sculpture spatiodynamique...Franck Malina, Point Counter Point, première peinture cinétique usant du système Lumidyne, fondateur du journal art/science Olats...1959 Burroughs et Gysin expérimentent les cut-ups à Paris...1960's video art... Fluxus...l'Oulipo et la poétique du combinatoire...1961 Ted Nelson, Hypertext...1963 Nam



1967 if presenters learning by seeing (1965)

1968 CYBERNETIC SERENDIPITY exhibition

1969 Apollo 11 LANDS ON MOON

1970

1971 THE CAREER (VIDEO)  
 EXHIBITION  
 SELF-REPLICATING  
 MOLECULAR

1972  
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June Paik first image in video (re-make of the single line on TV screen from late'30)...Andy Warhol-filming Empire State Building for 8 hours...Nam June Paik Random access...1964 Charles Csuri, father of computer graphics, computer animation and digital fine arts...1965 Andy Worhol Electric chair...1968 Cybernetic Serendipity exhibition...1969 Apollo 11 lands on moon...1969 Philip K Dick Ubik...mise au point du réseau ARPAnet...

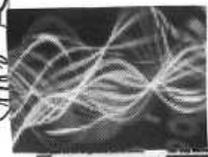
PLANNED FOOTAGE  
PLOTTER DRAWING  
PF COLLECT - THE CONVERSATION  
ON SURVEILLANCE

1974  
DAN GRAHAM  
PRESENT CONTINUOUS PAST(S)  
ON DELAYS

1975 TR, UTICO + ANT FARM  
THE ETERNAL FRAME  
AFTER ABRAHAM ZAPRUDER  
AMATEUR 8 MILLIMETERS  
FILM OF KENNEDY ASSASSINATION  
(FRAME BY FRAME LOOP)

1977 GARY HILL  
ELECTRONIC LINGUISTICS  
DIGITIZING TEXT  
1978 ION GRIGORESCU  
BOXING, EXPERIMENTAL FILM

1979 ARS ELECTRONICA FESTIVAL  
FIRST EDITION, LINZ, AUSTRIA



1980s  
NANCY BURSON  
BEAUTY COMPOSITES

1985  
COMPUTER GRAPHICS  
REAL TIME TECHNOLOGIES

1989



1973 Manfred Mohr-plotter drawing...1974 FF Copola The Conversation...Dan Graham Present Continuous Past(s) (on delays)...1975 TR Uttico and Ant Farm-The eternal frame after Abraham Zapruder amateur 8 millimeters film of Kennedy assassination (frame by frame, loop)...1977 Gary Hill•Electronic Linguistics... Douglas Davis-The Last 9 min...Liza Bear, Willoughby Sharp, Sharon Grace et Carl Loeffler Send/receive satellite network...1977 Ion Grigorescu•boxing,experimental film...1979 Ars Electronica festival first edition, Linz, Autriche...1980s Computer graphics, real time technologies...1982 Nancy Burson Beauty composites...1985

1985

1985 - INTERACTIVITY

Peter Fischli / David Weiss

- Pipilotti Rist I am not the girl who misses much

1989

1987



1988 - Transmediale Berlin

1989 - East Europe - revolutions

1990 - Elaine Sturtevant re-make, appropriation

1991 - Soros Centers for Contemporary Arts in former East Europe

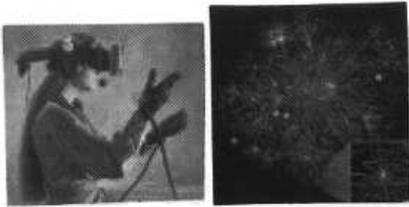
1991-2000 - Dan Sandin The

1992 - Gully in the Fall of the Berlin Wall

1992 - Anobi's Murals on the Berlin Wall



Peter Fischli /David Weiss - Der Lauf der Dinge...creation of the MIT Media Lab by Nicholas Negroponte out of the Architecture Machine Group...birth of the 'demo scene' whose basic postulate was to carry out technological/artistic performances by toying with programing tricks and real coding achievements...1986 Pipilotti Rist I am not the girl who misses much...1988 Transmediale Berlin...1989 East Europe - revolutions...Jeffrey Shaw the Legible City 1989-93 interactive work...1990 Elaine Sturtevant re-make, appropriation...Web, Internet, Interactivity Mobiles... Harum Faroki •Fotograms from a revolution...Dara Birnbaum Square Break in Transmission...WorldWideWeb Tim-Berners Lee...1990 Edmond Couchot Michel Bret Marie-Hélène Tramus: Je sème à tout vent, installation interactive,...1991 Soros Centers for Contemporary Arts in former East Europe 1991-2000...Dan Sandin The



1993 N5M.  
 EP ONLEARS WOP. SCA. PVEB MESH  
 MORGANW PATATICS, DAN PERJOVSKI-SAND  
 KOLTR VIKETIC.

1994

1995 N5M + 10 QUEZOT  
 WIKI  
 E. Bly. OMITE MERTON AND  
 SHOPPING  
 MORGAN. CODY  
 SCALINE EYMERON



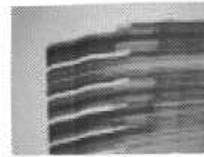
Cave (Virtual Reality)...1992 Sommers et Mignonneau-Interactive plant growing...Gary Hill Tall Ships...1993 Stelarc-Amplified Body...Hugues Brothers (surveillance camera)...Antoni Muntadas-on line the file room...Ex oriente lux Soros Center for CA annual exhibition Bucharest Alexandru Patatics, Dan Perjovschi-scanner, Sorin Vreme...Next Five Minutes (N5M) festival in Amsterdam (use of the term 'tactical media')...1994 Sommerer et Mignonneau...Pierre Huyghe re-make..."Prometheus: Art, Science and Technology in the Former Soviet Union:

bit - site body of  
 body of (1996) (1996)  
 ME(DI)A CULPA KCA BUCHAREST  
 1996 HISTORIC PHOTO WORKS - MARKED  
 ON PROTR. ENO - ON STRIERS DE INFORMATION  
 THOMAS DEMANDS - MCMANE  
 CONSTRUCTED IMAGE  
 REASING

NETTIME

ENTERTAINMENT (1945-1996) KCA BUCHAREST  
 MEXICANLY TITO.

DOUGLAS GORDON 30'



1977 BODY - THE STEREO-COLORED  
 BANGOR RITZ MODERNIZ TRANSMISSION  
 THOMAS GARD - THE CAN SUVE  
 THOMAS HOURS - CWI



Special Issue" Leonardo, Vol. 27, No. 5...Lancement du premier navigateur commercial, faisant basculer internet  
 d'un réseau informatisé dédié à des passionnés d'informatique ou des chercheurs au statut de média populaire...3  
 major media labs were set up in Europe : De Waag in Amsterdam, Public Netbase in Vienna, Ljudmila Media Lab in  
 Ljubljana...Incident.net, expérimentations en réseau, plate-forme artistique fondée par Gregory Chatonsky et Karen  
 Dermineur...1995 Toshio Iwai \* Piano as image media...William Latham...Teiji Furuhashi-Lovers...Robert Longo  
 Johnny Pneumonic...Thomas Demand-Archive...Komar & Melamid-on line work...Me(di)a Culpa Soros center for  
 CA Bucharest Lia-interactive program, the robot portrait of an ideal president...Nettime, internet mailing list  
 founded during the second meeting of the Medien Zentral Komitee at the Venice Biennale by Geert Lovink and Pit  
 Schultz, the list was meant to provide a space for a new form of critical discourse on and with the nets...Netochka  
 Nezvanova's earliest identity "=cw4t7abs" (antiorp@tezcat.com) surfaced in 1995 on mailing lists and newsgroups  
 relating to electronic music production...1996 Douglas Gordon-30 seconds...Peter Land-The stercase...Experiment  
 (1945 - 1996) annual Soros Center for CA exhibition Bucharest...Olia Lialina MBCBFTW...1997 Roslin Institute:

151 MON

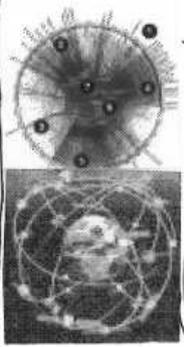
KNOWBOTIC RESEARCH → VA

PETER LAND THE STERCKE 1996 - many bodies  
 - not a time series

CAA/CAA publications - newspapers of terms  
 JOHN SIMON EVERY ICON NEVER - touristic  
 - ending recession of new series  
 - future series

1998 a6 goldhaber & spallone  
 THE EXPANSION OF UNIVERSE

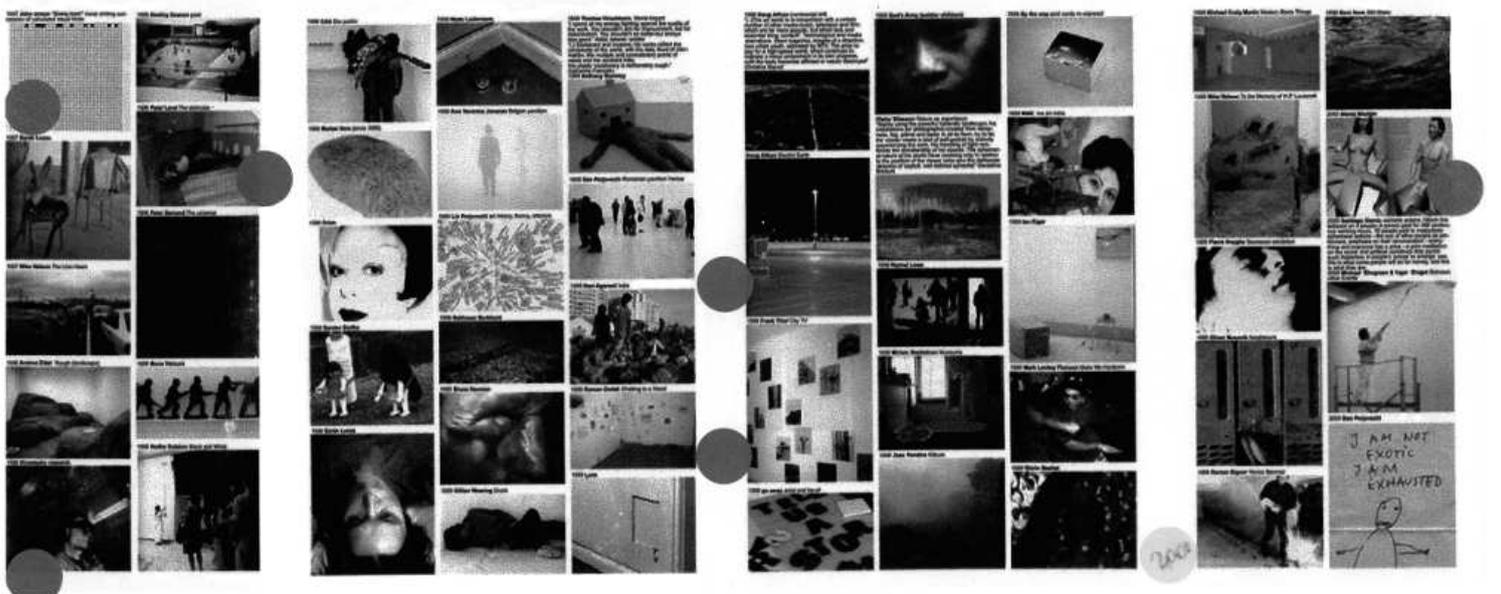
GOOGLE TRENDS - NEEDED AMP



1999 SIMON HOWS HEMER REVOLUTION...

MARLOW MAPPING → IREN M&M  
 Conf - theories of language  
 M&M

WOLFGANG STAEHLE 99...  
 2000 TLU IVA + M&M  
 THE FINE ORBIT OF THE HUMAN GENOME IS COMPLETED  
 INTERPLOTIA - Ray J WALKS & WALKS



Dolly the sheep-was cloned... Eduardo Kac-Time capsule...Sommers et Mignonneau Life Species...Tranzit House Cluj ...John Simon-Every Icon-never ending succession of calculated visual tricks...Inauguration du ZKM (Zenter für Kunst und Medientechnologie), Karlsruhe...Mark Amerika, Grammatron, roman hypertextuel en ligne conçu tel le livre électronique des origines, la Bible numérique...Hackim Bey TAZ, Temporary Autonomous Zones...1998 Gerson Goldhaber and Saul Perlmutter observed that the expansion of the universe is accelerating...Knowbotic research...Thomas Ray Tierra - L'image de un programme de vie synthétique ... Andreas Muller Pohle-A traduit en numerique Niepce 7 millions de bytes de l'image ont été traduits en code alphanumerique...Erwin Redl Shifting very Slowly...CAA/CAA publications: newspapers with dictionary of terms, timelines and bibliography on contemporary art and culture...Shu Lea Chang, Brandon: a one-year web-based narrative project that explored the issues of gender fusion and techno-body in both public space and cyberspace...Vuk Cosic ASCII History of moving images, ascii art...Jon Ippolito, Keith Franck, Janet Cohen: The unreliable archivist...1999 Camille Utterback et Romy Achituv -Text Rain...Wolfgang Staehle...Doug Aitken





FUCKER  
FACEBOOK  
IM MBE HOSTING  
KUNST ABTUNGENS SITE

THE 10% THING  
MEMORIAL IN BURKLE  
OS - SHIRAZ - VIDEO  
YOUTUBE  
GOOD GEORGE FAMILY  
KARIN GEORGE  
HANDLING NEW IDENTITIES

[Small, dense, illegible text columns, likely bleed-through from the reverse side of the page]

05



installation robotique...we-make-money-not-art, art/tech/design blog by Regine Debatty...DJ Spooky's Rebirth of a nation...2005 Armin Medosch, "Technological Determinism in Media Art"...Geert Lovink "New Media, Art and Science: Explorations beyond the Official Discourse"...Rudolf Frieing, Dieter Daniels (eds.), Media art net 2:

2006  
 Bruce Winans (L'Art à l'ère du numérique)  
 - L'art et technologie / Hulton - Games art  
 Software art / Hulton - art internet  
 - migration

• Mc KENZIE WALKER - ON HANITÉS  
 HACKER

FRANÇOIS ON - NOUVEAU GUY LA SÉRIE DU SPECTACLE 1967  
 - POUR PIRETS 1991  
 - K. GUY 1994. - HACKING - PROPRIÉTÉ  
 - MARY 2001 1973 - INTELLECTUAL - ARTS  
 - JOCKHEIM - ARTISTE. - RÉVOIRE  
 - MICHELLE - PHOTOGRAFIE - SUIVRE  
 - MONDE



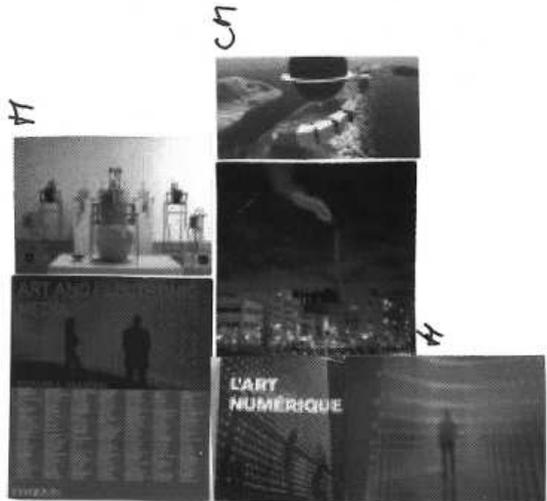
2007 Google Street View  
 - L'ÉTICHEN (RUBIN-PH)  
 - LES SECRETS DE SECOND WPE  
 - STEPHANE PIER. First interactive.  
 - PIERRE NOTTE. CONTRAINTES WORKING WORKERS  
 - IN 1011, RECORDS -  
 - PIONNIERS MONDE  
 - DANS LE MONDE  
 - ET MATHEMATIQUES  
 - VERTUE SECOND WPE!



**Thématique Schwerpunkte/Key Topics**...création de l'alliance de recherche DOCAM (Documentation et Conservation des Arts Médiaux) par la Fondation Daniel Langlois...Le Poulpe, radio expérimentale en réseau, APO33 Labomedia..."from 2005, the rich media took over with video blogs of citizen journalists but most of all with the birth of large platforms of diffusion such as Youtube, Facebook or DailyMotion"...**2006 Mark Tribe and Reena Jena, New Media Art, Taschen/Brown**...création de WikiLeaks...collectif Ubermorgen, Alessandro Ludovico, Paolo Cirio: Amazon Noir The big book crime, installation,...2006-2009 collectif RYBN (Kevin Bartoli, Bertrand Charles, JM Boyer) Anti Data Mining installation en réseau...**2007 Oliver Grau (ed.), MediaArHistories, Cambridge: The MIT Press**... collectif Datenstrudel Standard time, performance... Eva&Franco Mattes're-enactment of performances in SL...I-TASC, constellation artistique et scientifique transnationale interpolaire piloté par l'artiste slovène Marko Peljhan...Julian Oliver

2002  
 VOCABULAIRE DES ARTS PLASTIQUES DU 20<sup>ème</sup> SIECLE.  
 TOOLS & MACHINES → JEAN-YVES BOSSEUR  
 → 2002 MN CHINA AREA  
 → HANSON PAROLES HANSON. ROBOTICS  
 → WHITE FUNCTION 1971-2007. DEEP PLAY  
 DOMINIQUE HOLON → ART COMBINATOIRE NOUVEAUX MEDIAS  
 HAPPING → THE MECHANISMS OF EMOTIONS 2008  
 ARTS OF  
 FROM UNCERTAINTY AND DOUBT → CONSCIENCE CH  
 → CHAOS IN ENERGY THROUGH OF ART-MS

2009 → (KING) STANLEY ENGINE.



LevelHead...2008 Jean Yves Bosseur Vocabulaire des arts plastiques du 20 siecle Minerve...HeHe Nuage Vert  
 Helsinki...exposition virtuelle L'ouvroir de Chris Marker dans SL ...2008-2010 - Rip! A Remix Manifesto; user-  
 contributed content and remixes, Brett Gaylor...2009 Palo Fabuš, "The World Engulfed by Technology: A Critique  
 of New Media", in: Umělec 1 (2009), (English/Czech/German/Spanish)...Adam Parkinson & Atau Tanaka, 4 Hands  
 iPhone...collectif Constant Yoogle! Jeu en ligne, miniature du web 2.0...Alexandre Castonguay Tafel, installation  
 (Blackboard, chalk, robotics, software, cell phone, internet)...Echelle Inconnue, Ecouter chuchoter les murs  
 (arduino+audio+gps)...HONF Intelligent Bacteria, DIY bio hacking... Paolo Cirio P2P Gift Credit Card...2010 J. Craig



Short dictionary of basic terms...Media art - "art works created with new media technologies,(digital art, computer graphics, computer animation, virtual art, Internet art, interactive art, computer robotics, biotechnology, video, computer, mobile devices, Internet, software, code, computer games, streaming, GPS, sound, light production devices, or robotics"...."art as research". (Stephen Wilson) ..."Addressing social, political, cultural, and contemporary issues"..."The theories developed around hypertext, databases, and networks...non-linear and interactive narratives, "computer art, collaboration, identity, appropriation, open sourcing, telepresence, surveillance, corporate parody, hacktivism.( Maurizio Bolognini - 1) the art system, 2) scientific and industrial research, and 3) politico-cultural media activism.) ...? -"Visual views of databases. artistic computer game modification, Bio art, Computer art, Digital art, Electronic art, Evolutionary art, fax art, Generative art, Hacktivism, Hypertext, Information art, Interactive art, Internet art, Motion graphics, Net art, Performance art, Radio art, Robotic art, Software art, Sound art, Light art, Systems art, Telematic art, Video art, Virtual art"...Art -"is the product or process of deliberately arranging items,... influences and affects one or more of the senses, emotions, and intellect... It encompasses a diverse range of human activities, creations, and modes of expression"...Media - "in (arts), - materials and techniques used by an artist to produce a work or may refer to - Communications, Computing, tools used to store and deliver information or data, advertising content, communication networks, hypermedia (hyperlinks), mass media, multimedia (multiple forms of information content and processing), new media traditional media with interactive power, news media, print media, published media available to the public, social media"

From 2004 to 2011, would you give us a clue, which event or art work that has touched you the most ? *LIA*

I am impressed by discoveries in science LHC (Large Hadron Collider) for example (recent subatomic particles have beaten the speed of light (?) and Mapping the Human Genom, I am impressed by the revolutions in the Arab World (finally the mobile phone was useful) (I hope that this events will bring more good things than bad) in art I am impressed by low budget projects, people looking for new possibilities, collaborating...

From 2004 to 2011, would you give us a clue, which event or art work that has touched you the most ? *CATHERINE*

The way we have moved from a passive way to consume and 'make' the medias (tv, radio, press) to an interactive, networked and collaborative one, is quite fascinating and meantime shaking. It completely inverts the way we share and learn, the way we exhibit, not to say broadcast, ourselves and the world that surrounds us. From 2004, we have seen almost every year appearing new 'services' from facebook (2004) to youtube (2005) to twitter (2006) that have brought new 'rules' in socializing as well as producing and disseminating contents. Intimacy/extimacy, local/global, we navigate from private life infos to images of catastrophe : tsunami indonesia (2004), Katrina hurricane (2005), Haiti earthquake (2010), Fukushima (2011), we accumulate data, our attention is 'hyper assailed' and we even lose it without notice it. Strangely (?) one of the artworks that comes to my mind is about work and working conditions. It is called 'The Trainee', from Pilvi Takala. The Finnish artist did a one-month fake intervention as a trainee in a big company, her process reveals how 'non-doingness' is a threat of order... in an immediacy society.



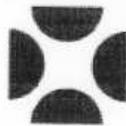
Lia Perjovschi, REMAKE residency @ PiNG Nantes, from 3<sup>rd</sup> to 16<sup>th</sup> october 2011 in the frame of REMAKE. The residency is supported by European Union Culture Program and the Institutul Cultural Roman



Programme «Culture»



DG Éducation et culture



INSTITUT  
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ROUMAIN  
DE PARIS



PiNG

