

# GLITCH MUSIC and GLITCH ART

*"It is failure that guides evolution; perfection offers no incentive for improvement." Colson Whitehead (1999)*

- The Aesthetics of Failure: "Post-Digital" Tendencies in Contemporary Computer Music KIM CASCONE
- [http://www.bussigel.com/systemsforplay/wp-content/uploads/2014/05/Cascone\\_Aesthetics.pdf](http://www.bussigel.com/systemsforplay/wp-content/uploads/2014/05/Cascone_Aesthetics.pdf)
- [http://subsol.c3.hu/subsol\\_2/contributors3/casconetext.html](http://subsol.c3.hu/subsol_2/contributors3/casconetext.html)

If it works, it's obsolete.  
Marshall McLuhan

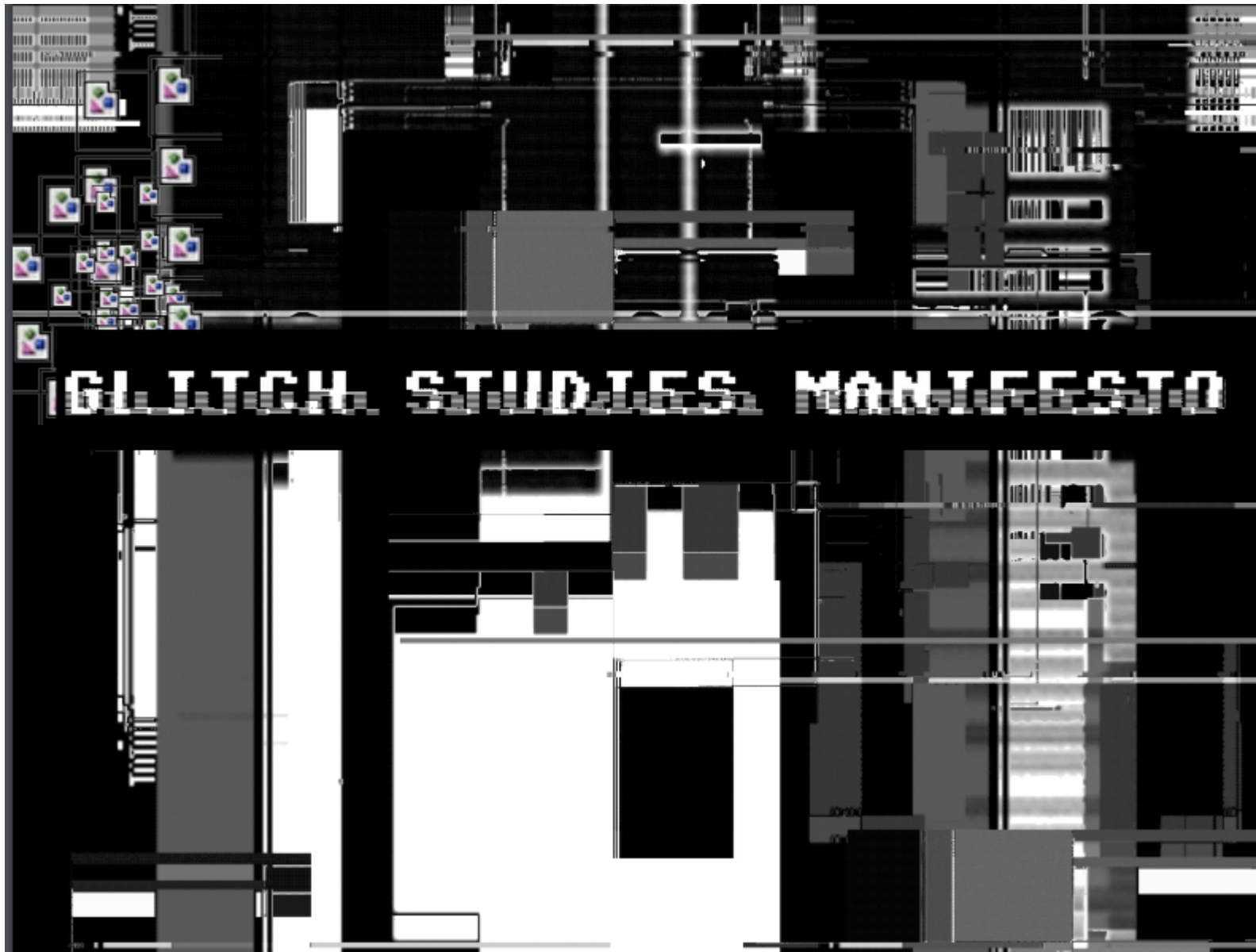
*A Phenomenology Of Glitch Art "Failure" has become a prominent aesthetic in many of the arts in the late 20th century, reminding us that our control of technology is an illusion, and revealing digital tools to be only as perfect, precise, and efficient as the humans who build them.*

*- Kim Cascone*

- 2005: **World wide wrong** , Jodi (Joan Heemskerk and Dirk Paesmans) Netherlands Media Art Institute.
- <https://www.youtube.com/watch?v=ip3m-oqPKUQ>
- [https://networkcultures.org/uploads/NN%234\\_RosaMenkman.pdf](https://networkcultures.org/uploads/NN%234_RosaMenkman.pdf)



[https://amodern.net/wp-content/uploads/2016/05/2010\\_Original\\_Rosa-Menkman-Glitch-Studies-Manifesto.pdf](https://amodern.net/wp-content/uploads/2016/05/2010_Original_Rosa-Menkman-Glitch-Studies-Manifesto.pdf)



# Glitch art

- <https://www.youtube.com/watch?v=gr0yiOyvas4>

- **Sound art, electronic music, glitch music**

- **Precedenty:**

- *Luigi Russolo: Risveglio di una città*
- *LUIGI RUSSOLO: Manifest Umenia hluku 1913*
- *John Cage: 4:33 for piano (1952)*
- *John Cage: Imaginary Landscape No. 1.*
- *John Cage: Imaginary Landscape No. 4 ,12 radios (1951)*
- *Edgard Varèse - Le Corbusier - Iannis Xenakis: Poème électronique (Expo, 1958)*
- *I.Xennakis: Xenakis: La Légende d'Eer (1977-78)*
- <https://www.youtube.com/watch?v=JjPYpLvdW0k>

# glitch

- OVAL
- <http://www.youtube.com/watch?v=vvW6qiTkZdw>
- Pan Sonic: Vakio 1993
- <http://www.youtube.com/watch?v=kpqBe1uL9dQ>
- <http://www.youtube.com/watch?v=o97Al8KM9JQ>
- Carsten Nicolai:
- <http://www.youtube.com/watch?v=9KV0Gi2vwEM>



# An Anthology of Noise & Electronic Music: First A-Chronology

- [Corale: Russolo, Russolo](#) 2:06
- [Wochende](#): Ruttman 11:23
- [Cinq Etudes de Bruits: EtudeViolette](#)
- [Schaeffer](#) 3:25
- [Scambi: Pousseur](#) 6:33
- [The Dresden Interleaf 13 February1945](#)
- [Mumma](#) 12:11
- [Trance #2 Cale, Conrad, MacLise](#) 5:12
- [Untitled #1 Jeck, Tétreault, Yoshihide](#)
- [October 24, 1992: Graz, Austria](#)
- [Survival Research Laboratories](#)
- 6:15
- [Ragout: Küchen Rezept Von Einsturzende Neubauten](#)
- [Einsturzende Neubauten](#) 4:14
- [Aspekt Boehmer](#) 15:14
- [Hommage À John Cage: Paik](#) 4:13
- [Rozart Mix](#) Cage 7:18
- [Audience: Sonic Youth](#) 6:00
- [Poème Électronique Varèse](#) 8:08
- [Concret Ph Xenakis](#) 2:44
- <https://www.youtube.com/watch?v=XsOyxFybxPY>
- [FTP > Bundle/Conduit 23](#) Miller
- 8:15
- [A Little Noise in the System \(Moog System\) Oliveros](#) 30:22
- [One Minute Ikeda](#) 1:00

- <http://archive.aec.at/prix/>



YInMn-Blue, a pigment with very special technical properties, was discovered only recently, the unexpected side-effect of an error in a scientific experiment.

Crystal System: Hexagonal

$YIn_1-xMn_xO_3$

Crystal Symmetry:  $P63cm$

Unit Cell:  $a = 6.24 \text{ \AA}$ ,  $c = 12.05 \text{ \AA}$

(r, s, t): (45.82, 79.92, 143.51)

Hex triplet: #2626f7

(c, m, y, k): (68.07, 44.31, 0, 43.72)

(h, s, v): (219.06°, 68.07%, 55.28%)

# ERROR

the Art of Imperfection

## ARS ELECTRONICA

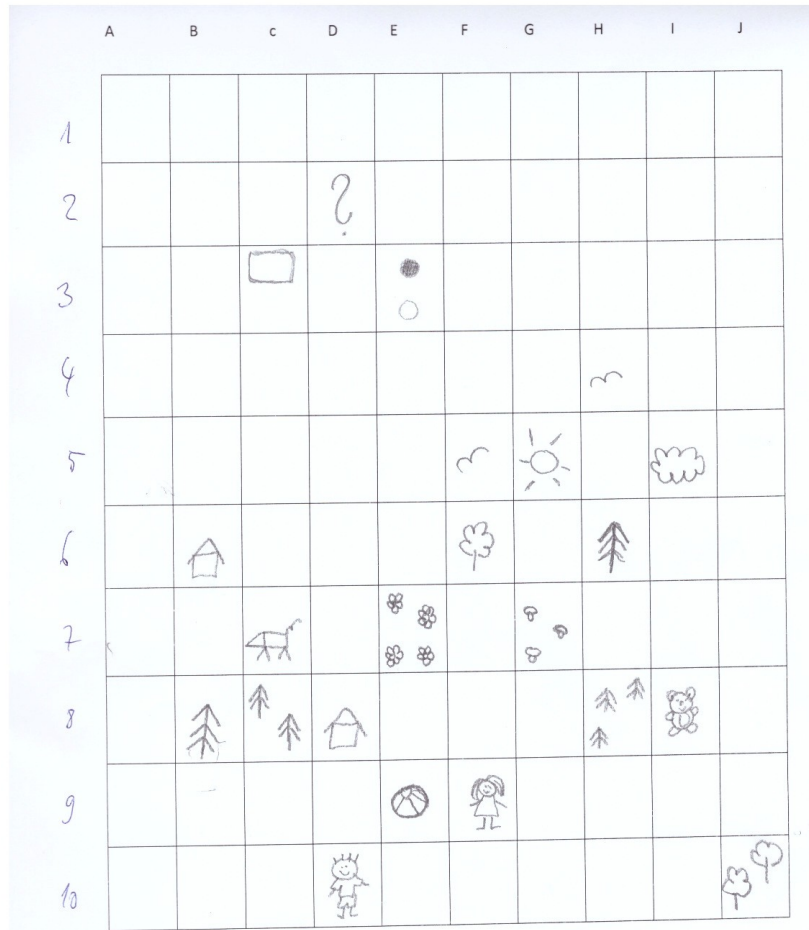
POSTCITY Linz, 6. – 10.9.2018

[ars.electronica.art/error](http://ars.electronica.art/error)

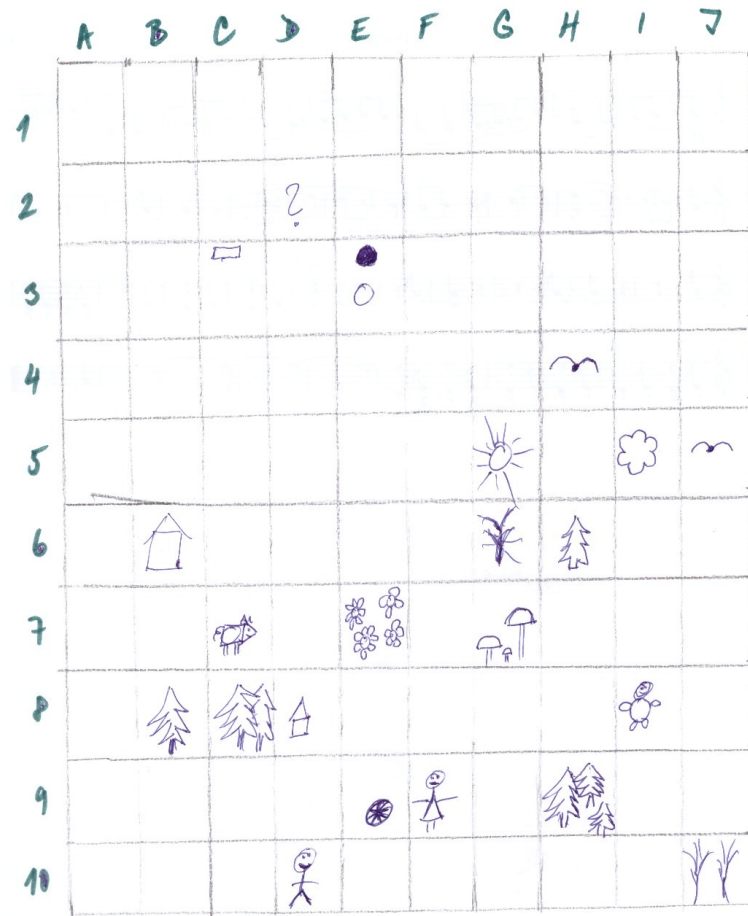
Telepresence  
Telematics  
Telerobotics

- **Art by Telephone:**
- **from static to mobile interfaces :**
- 1922 Moholy-Nagy: **telephone-based art**
- <https://www.youtube.com/watch?v=NHC5pGI9B04>

# Art by telephone remake 2019



László Mihály Nagy



Factory supervisor

- The neologism "***telematique***" was coined by **Simon Nora and Alan Minc**
- in *L'informatisation de la societe*  
( Computerizácia spoločnosti 1978)

# PREDCHODCA TELEMATIC ARTU

- **MYRON KRUEGER: VIDEOPLACE, 1975**
- <http://www.youtube.com/watch?v=dmmxVA5xhuo>
- Ukážka/remake
- <https://www.youtube.com/watch?v=7G-6LinmDCI>

- **ROY ASCOTT: *Is there love in Telematic Embrace?* (1990)**
- - Telematika je umelá extenzia ľudskej inteligencie a percepcie
- - Telematická kultúra - nemyslíme, nevidíme a necítíme v izolácií, kreativita je zdieľaná a autorstvo distribuované



- **TELEMATIC ART** - Prvý krát použil termín v roku 1983 – *termín označuje počítačovú komunikáciu a sieť medzi geograficky vzdialenými jednotlivcami či inštitúciami, ľudskou myslou, umelými systémami inteligencie a vnímania.*

- Paul Sermon : Telematic Dreaming (1993)
- [http://v2.nl/archive/works/telematic-dreaming/view?sm\\_au=iHV0J7PDkv1NtRLF](http://v2.nl/archive/works/telematic-dreaming/view?sm_au=iHV0J7PDkv1NtRLF)

# TELEPRESENCE

- *the ability to produce action at a distance*

**KEN GOLDBERG: *TELEGARDEN 1996***

<http://www.youtube.com/watch?v=gbyy5vSg8w8>

Tele-Actor <http://teleactor.berkeley.edu/introduction.html>

**Lynn Hershmann: *Tillie, the Telerobotic Doll* 1995**

<https://www.youtube.com/watch?v=QsbjbpLvQPk>

<http://www.lynnhershman.com/tillie/three.html>

# TELEPREZENCIA A DOHL'AD

- **EDUARDO KAC: RARA AVIS 1996:** [HTTP://WWW.EKAC.ORG/RARAAVIS.HTML](http://www.ekac.org/raraavis.html)
- **Telecommunications art – before the www**
- [Videotext Works](#) (1985/86)
  - [RC Robot](#) (Telepresence), 1986
  - [Conversation](#) (Slow Scan TV), 1987
  - [Retrato Suposto/Rosto Roto](#) (Fax/TV Hybrid), 1988
  - [Three City Link](#) (Slow Scan TV), 1989
  - [Ornitorrinco](#) (Telepresence), 1989
  - [Impromptu](#) (Fax and Slow Scan TV), 1990
  - [Interfaces](#) (Slow Scan TV), 1990
  - [Elastic Fax 1](#) (Fax), 1991
  - [Elastic Fax II](#) (Fax), 1994

## Pohľad do histórie: koncept sledovania:

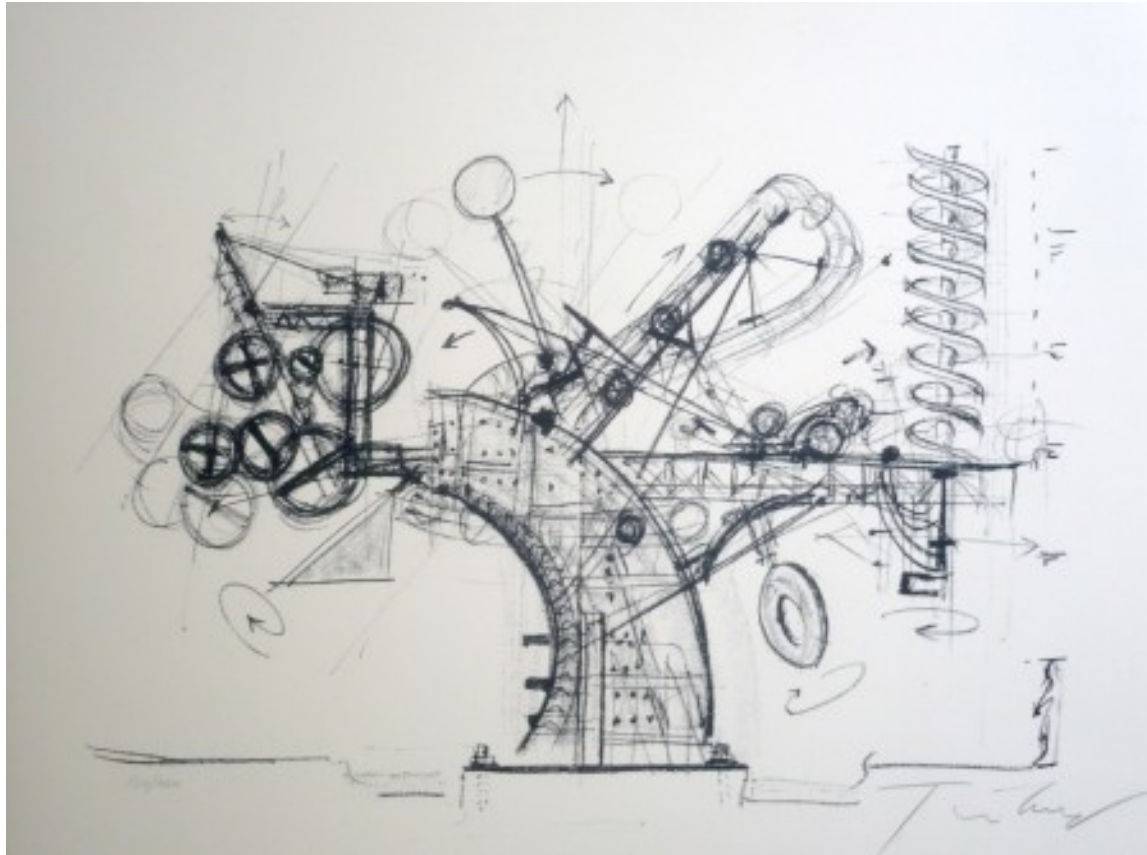
- **Peter Weibel : *Observation of the Observation: Uncertainty*, instalation 1973**
- <http://www.youtube.com/watch?v=WiVTmCjV3xg>
- <http://www.medienkunstnetz.de/works/beobachtung/video/1/>
  
- **Dan Graham : «*Time Delay Room*» 1974,**
- **Closed-Circuit**
- <http://www.medienkunstnetz.de/works/time-delay-room/video/1/>
-

# VPLYVY VEDY NA UMENIE / UMENIE A KYBERNETIKA / POČIATKY ROBOTICKÉHO UMENIA

- Kinetické umenie
- Kybernetické skulptúry
- Inscenovanie technológie
- Robotické umenie

- Kinetické umenie: L.M. Nagy: Light-Space Modulator (1922-30)  
<https://www.youtube.com/watch?v=nVnF9A3azSA>
- Bio <https://www.youtube.com/watch?v=vBZj4Me3RK8>
- Duchamp: Bicycle wheel 1913, Rotary Plates
- <https://www.youtube.com/watch?v=OxCljj1Z0r0>
- <https://www.youtube.com/watch?v=tqySnbbbyB2U>  
about readymade
- Naum Gabo: kinetické konštrukcie, aspekt času
- <https://www.youtube.com/watch?v=BR9Z0wzWjBQ>

# Kinetické umenie



Jean Tinguely: Building "Chaos 1", 1974





## VPLYVY VEDY NA UMENIE / UMENIE A KYBERNETIKA / POČIATKY ROBOTICKÉHO UMENIA

- Jean Tinguely- '50 - '60 – kinetické umenie - disturbatívne intervencie do časo-priestoru
- Jean Tinguely : Universal Newsreels (1960)
- [http://www.dailymotion.com/video/xcx4bn\\_universal-newsreel-jean-tinguely-19\\_creation](http://www.dailymotion.com/video/xcx4bn_universal-newsreel-jean-tinguely-19_creation)
- Jean Tinguely: Rotozaza II
- <http://vernissage.tv/blog/2010/11/30/jean-tinguely-rotozaza-ii-at-museum-tinguely-basel/>
- Jean Tinguely- Le Cyclop 1969 <http://www.youtube.com/watch?v=-Ss4CSFahCc>
- Jean Tinguely- Méta Matics, 1959 <http://www.britishpathe.com/video/robot-art/query/wildcard>
- Jean Tinguely: Hommage to New York 1960 <http://vimeo.com/8537769>
- JEAN TINGUELY: Study for an End of the World No.2 (1962)
- <http://www.criticismism.com/2017/02/22/jean-tinguely-study-for-an-end-of-the-world-no-2-1962/#sthash.GI7e6uwF.dpbs>

## VPLYVY VEDY NA UMENIE / UMENIE A KYBERNETIKA / POČIATKY ROBOTICKÉHO UMENIA

- Britský neurológ, pionier robotiky:
- grey walter: machina speculatrix – turtle 1953
- Správanie na základe senzorov svetla a zvuku
- <https://www.youtube.com/watch?v=wQE82derooc>
- Reaktívny autonómny robot, schopný vyhýbať sa prekážkam.
- Robot má dva simulované neuróny, ktoré evokujú komplexné správanie.
- Ide o prvú demonštráciu umelého života

## VPLYVY VEDY NA UMENIE / UMENIE A KYBERNETIKA / POČIATKY ROBOTICKÉHO UMENIA

- Gordon Pask: *Musicolour* 1953 - musical cybernetic system
- teaching and learning machines :
- «SAKI» (1956), «CASTE» (1972), «Thoughtsticker» (1974)
- Publikácie:
- «An Approach to Cybernetics» (1961),
- «Conversation, Cognition and Learning» (1975) and «Conversation Theory» (1976)
- <http://www.youtube.com/watch?v=yt-fXmzF9WQ&feature=related>

# ROBOTIC ART I.

- Nicolas Schöeffer: CYSP I (Cybernetic Spatiodynamic Sculpture)
- <http://www.youtube.com/watch?v=gJD27tJLoaQ>
  
- *1948: Spatiodynamism*  
*1957: Luminodynamism*  
*1959: Chronodynamism*
  
- LUMINO DYNAMICS
- <http://www.britishpathe.com/video/lumino-dynamics>
  
- Technický popis a fotografie:
- <http://cyberneticzoo.com/?p=815>

- Maďarský dokument o rodákovi Schöffer Miklósovi:  
• <http://www.youtube.com/watch?v=bX6danl4kLI&feature=related>
  
- **Nicolas Schöffer, Chronos 5, 1960 :**  
• <http://www.youtube.com/watch?v=gu7d06vj-u0&feature=related>

# HOMEWATCH

- **Stelarc Psycho Cyber. Dokument 57 min**
- <https://www.youtube.com/watch?v=DD7fhxlw9xE>