

Colin Williams

Director, SBL

Honorary Fellow, University of Warwick Visiting Professor, De Montfort University Founding Member, Cyber Policy Centre Editor, "CyberTalk"



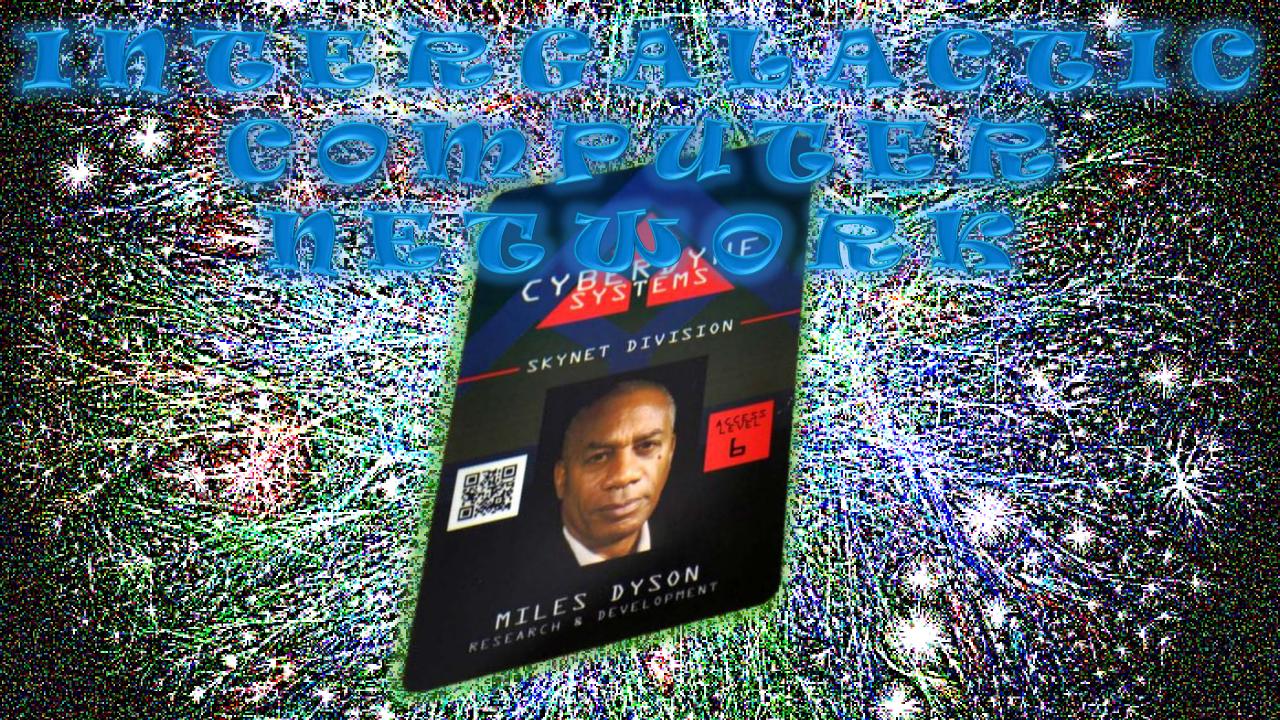
WARWICK THE UNIVERSITY OF WARWICK

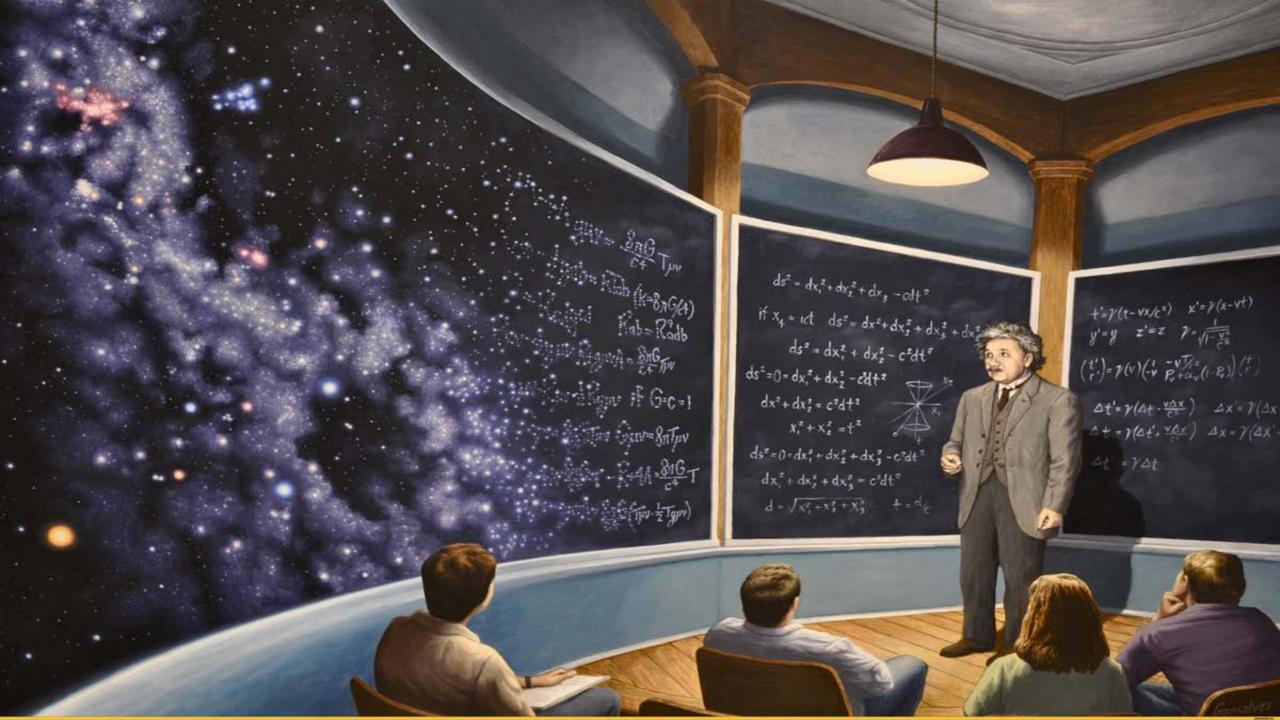












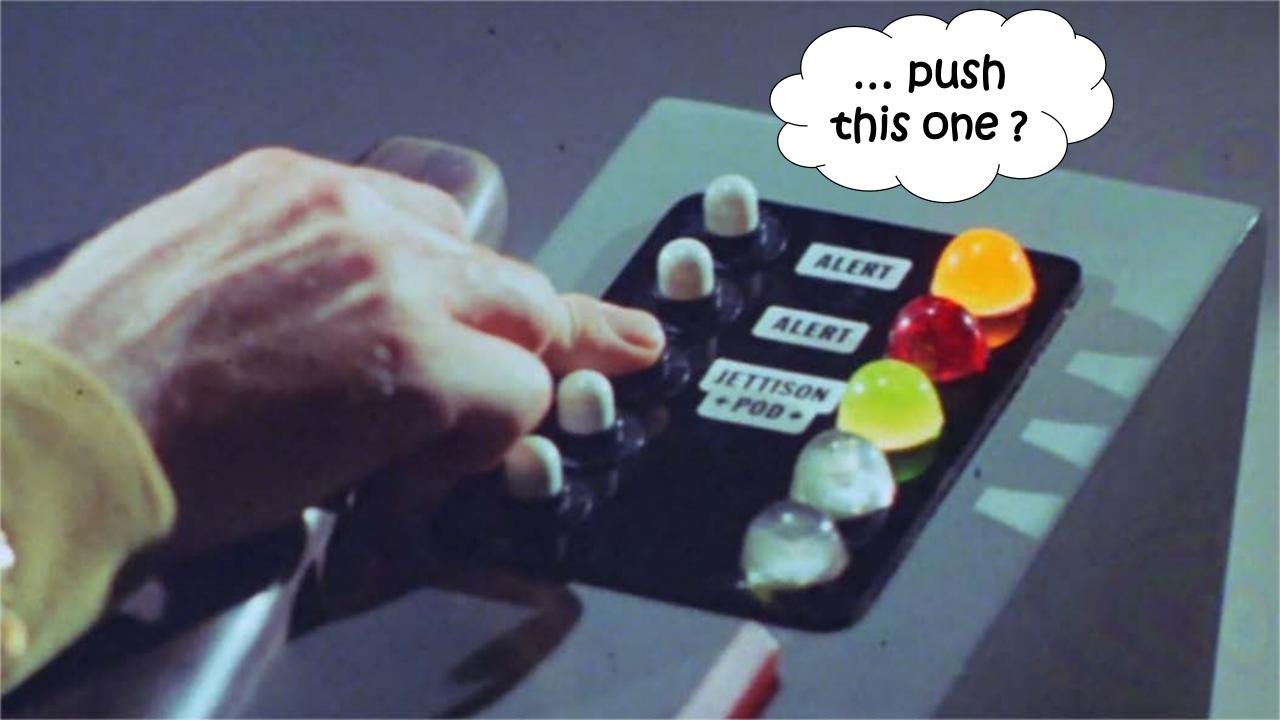














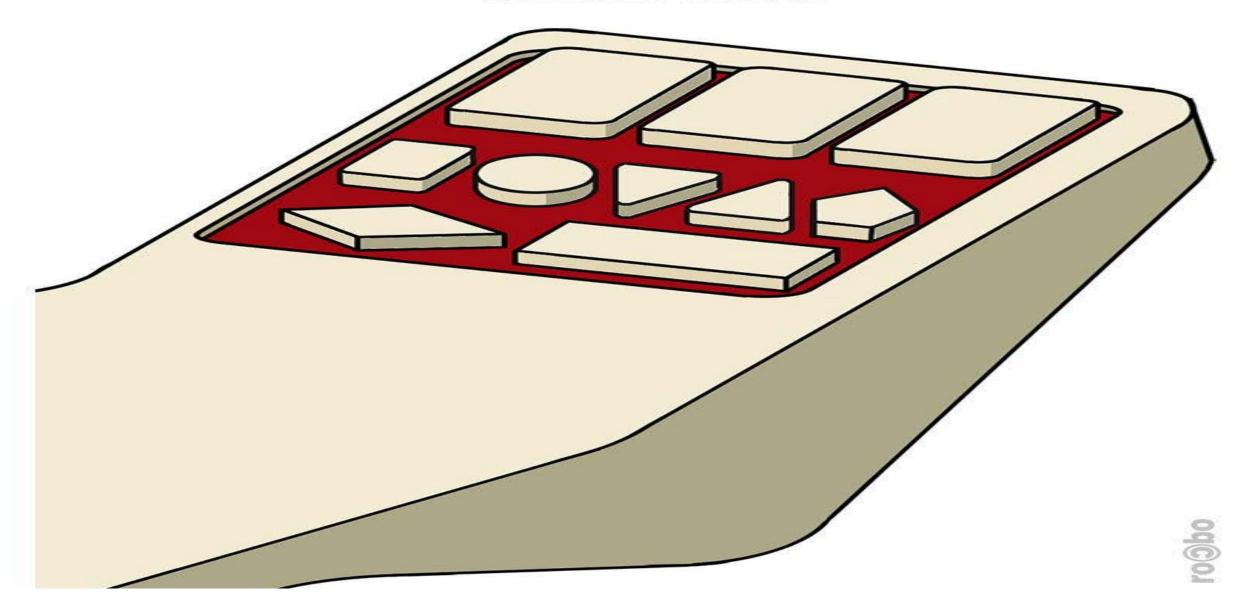






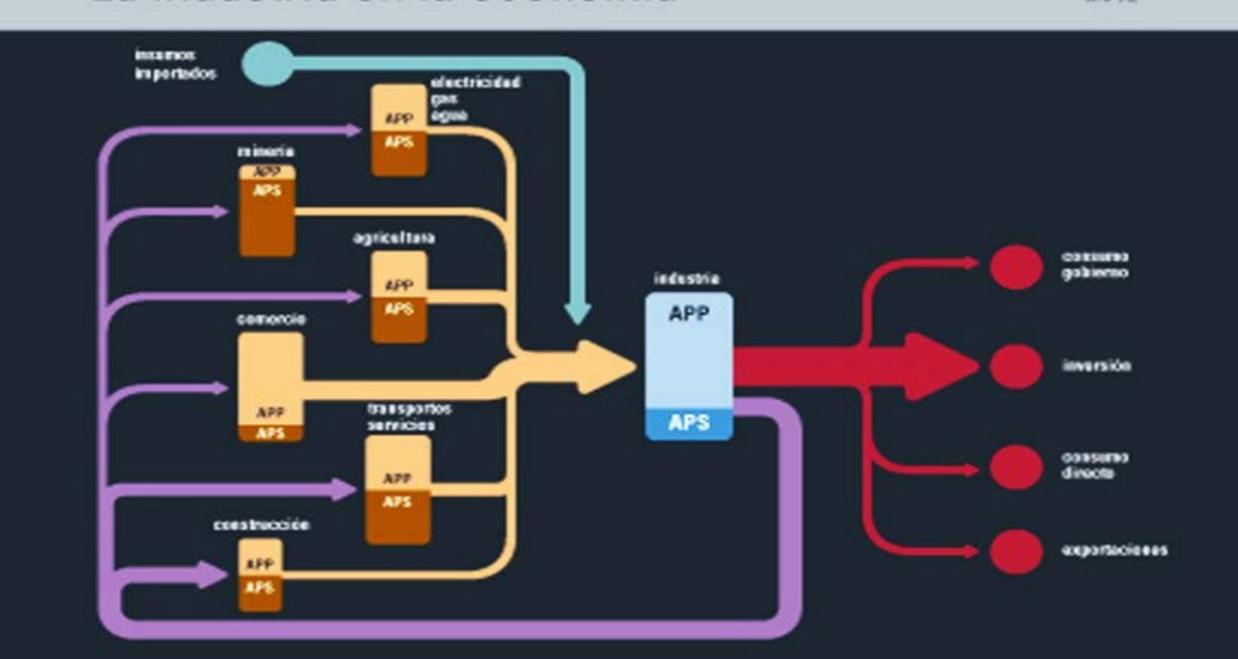


Vista en perspectiva del panel con teclas integrado en el apoyo del brazo derecho

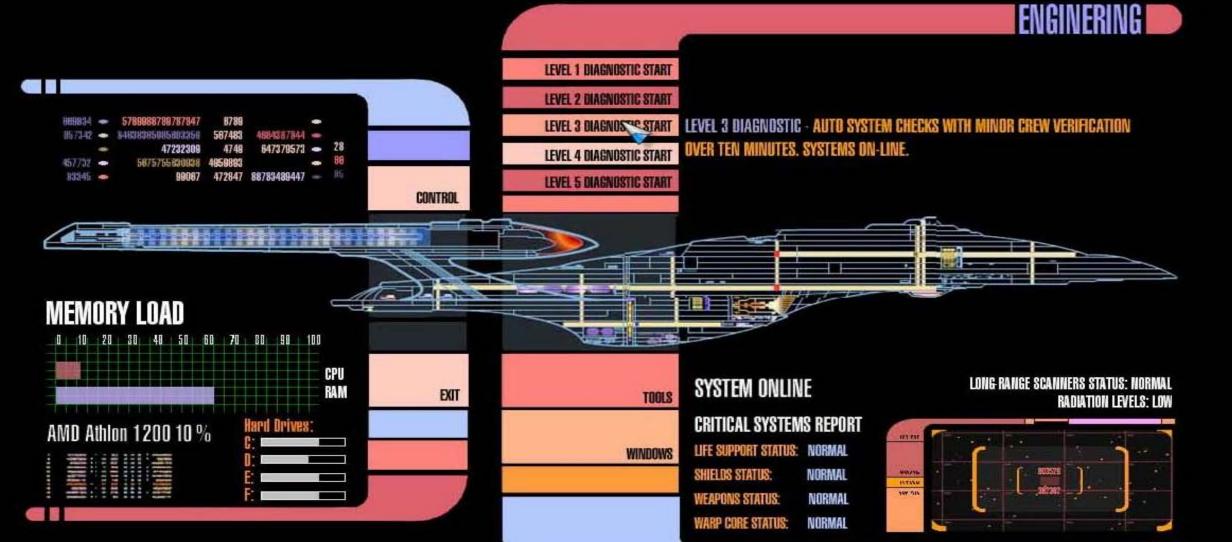


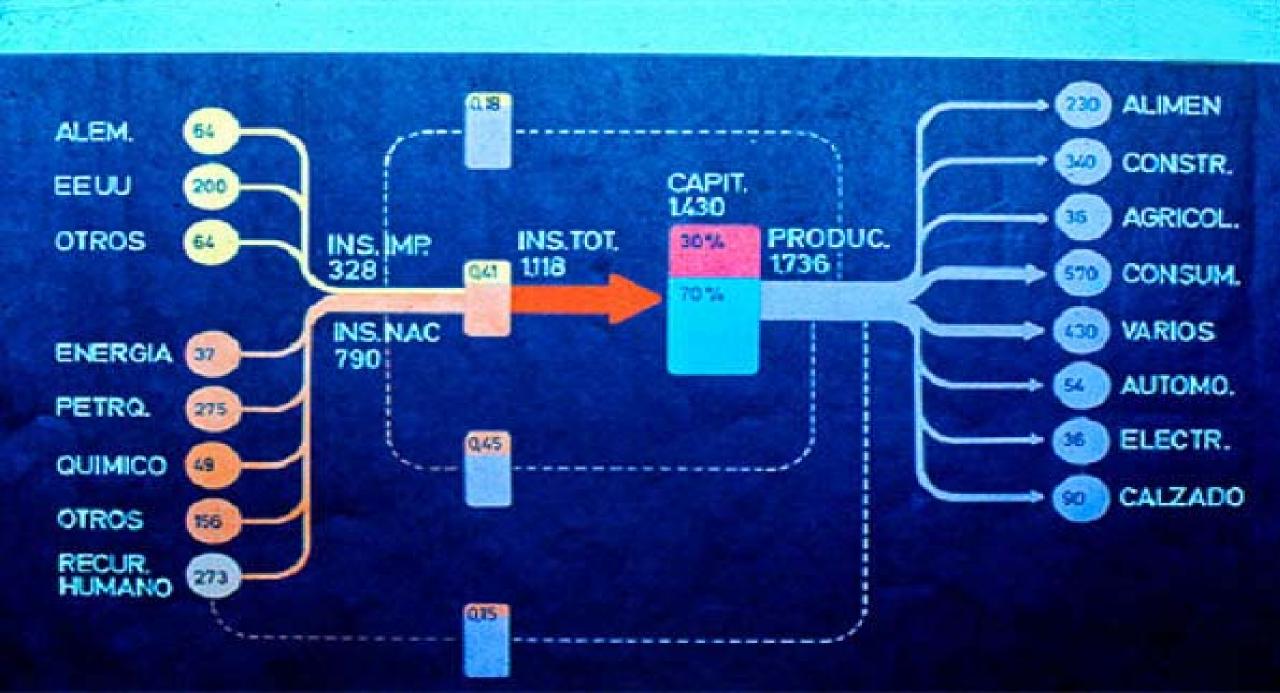


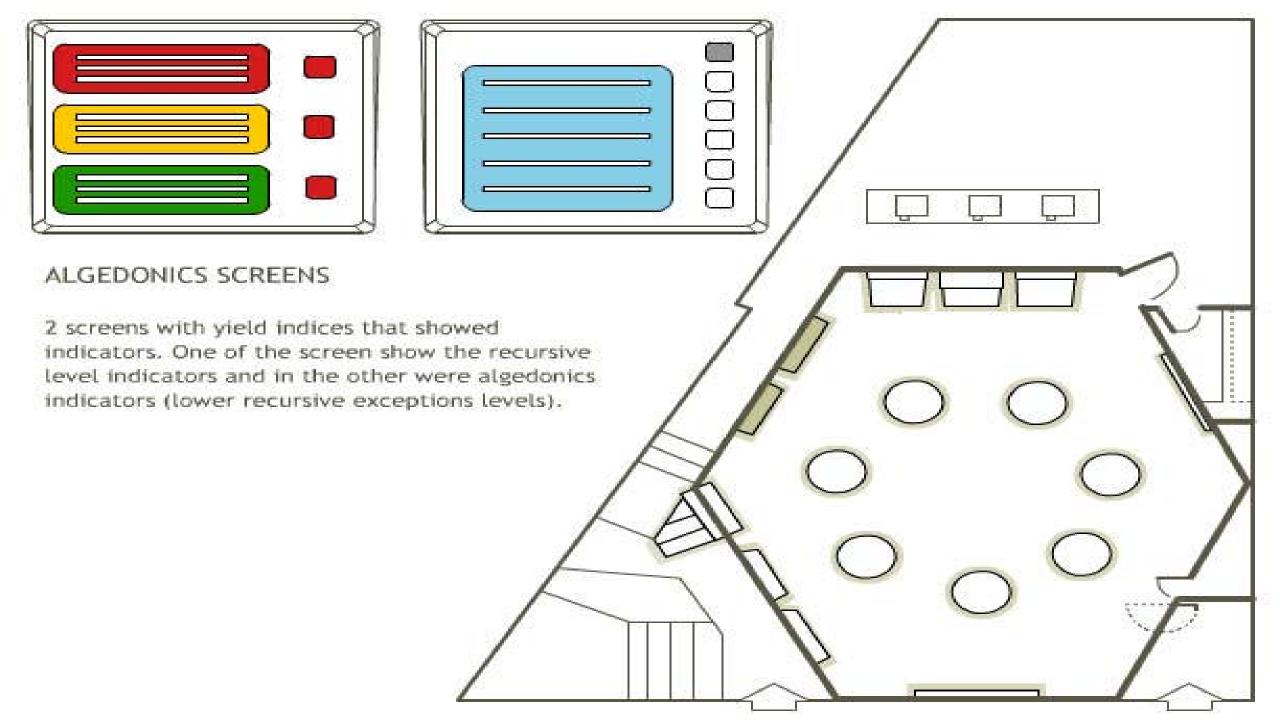
La industria en la economía



SCIENCE







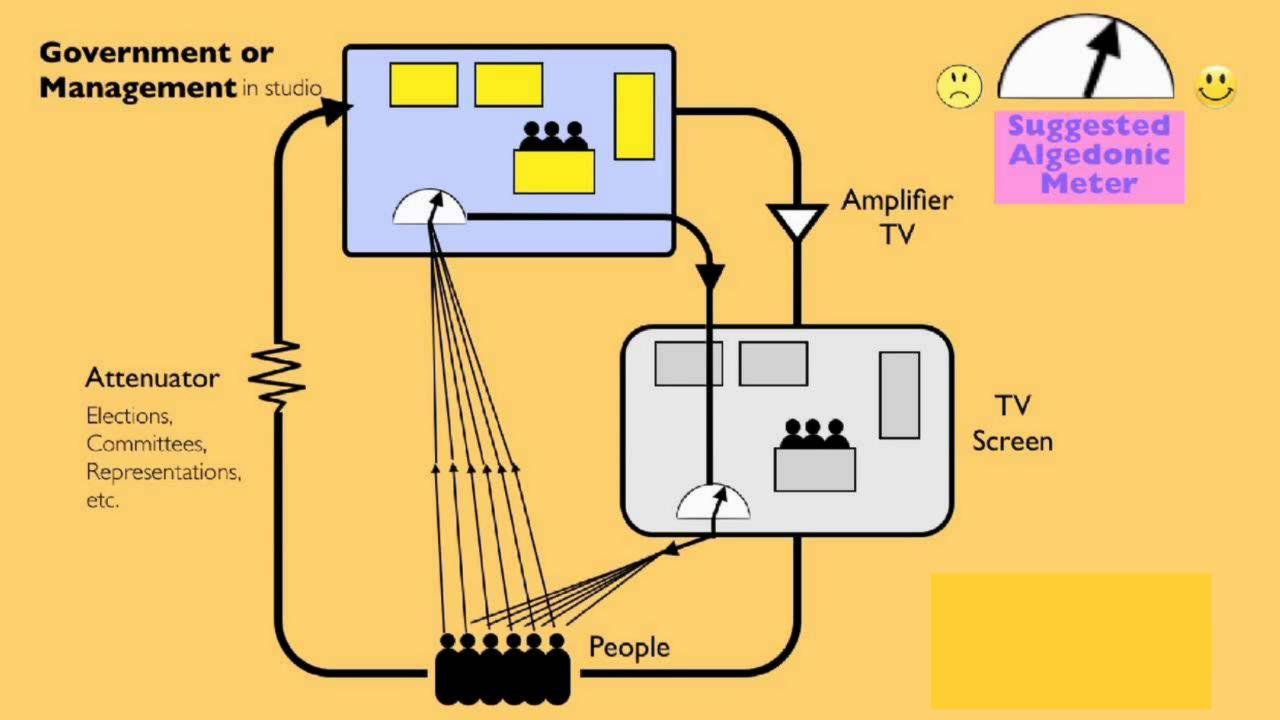
PEOFLE

ALGEDONIC METER

<u>Greek ἄλγος</u> (álgos, "pain") + ἡδονή (hēdonḗ) 'pleasure'.



ALGEDONIC METER





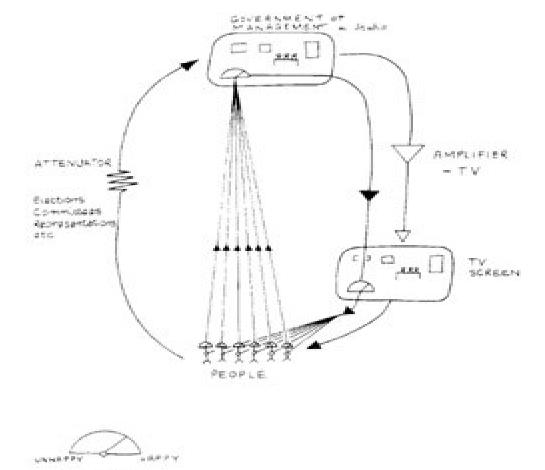


Figure 45

This situation attempts to disobey the Law of Requisite Variety, and disbalances the homeostatic equilibrium in both richness and in period.

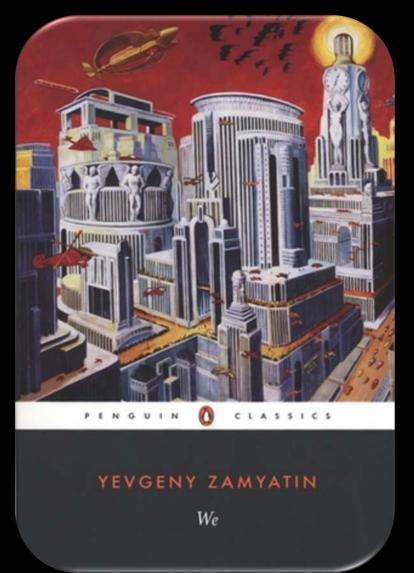
Then it is predictable that the people, thus affected, will build up pressures in the system that can no longer be released — because the filtering capacity cannot contain the flow.

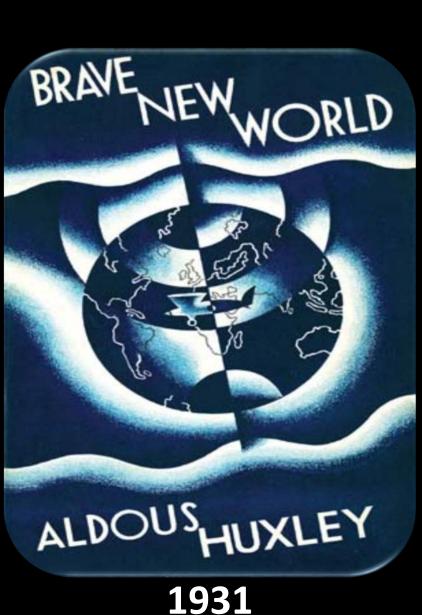
This is bound to lead to unrest: demonstrations, agitation, perhaps violence, possibly revolt.

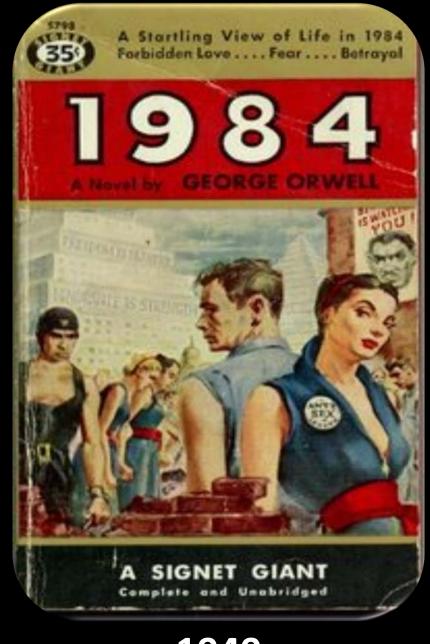
"This situation attempts to disobey the Law of Requisite Variety, and disbalances the homeostatic equilibrium in both richness and in period.

Then it is predictable that the people, thus affected, will build up pressures in the system that can no longer be released – because the filtering capacity cannot contain the flow.

This is bound to lead to unrest: demonstrations, agitation, perhaps violence, possibly revolt."









Cyberstride Software System

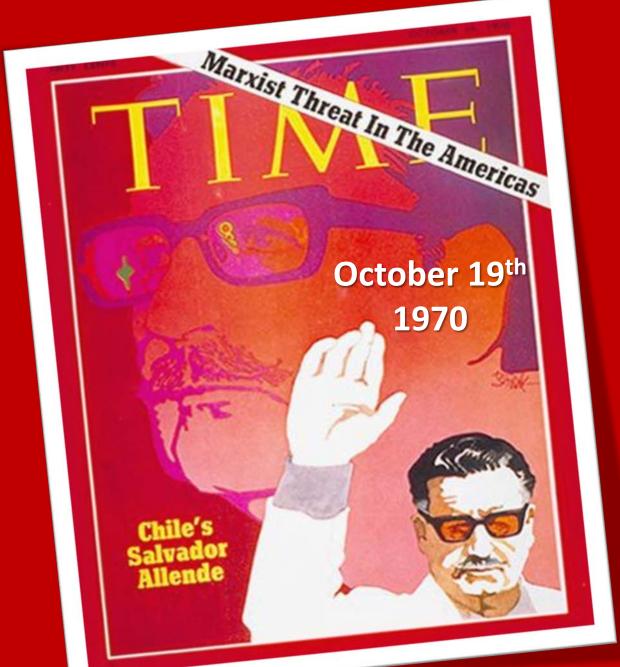
CHECO Economic Model

Cybernet Communications Network

Opsroom Control Centre

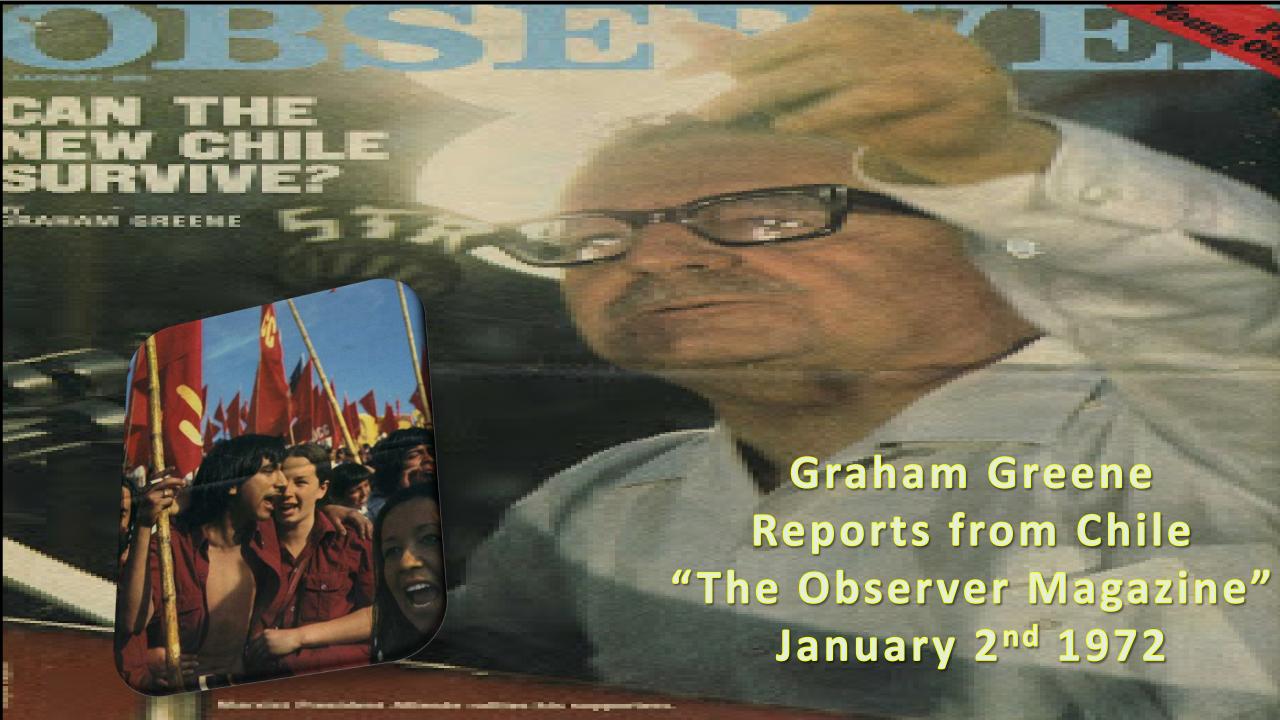
Cyberfolk
Algendonic Management





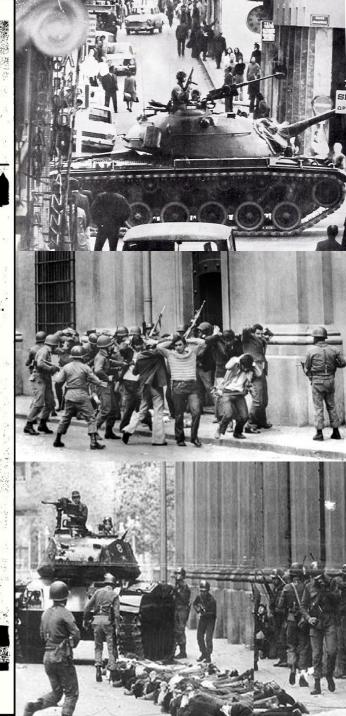


September 4th/5th 1970

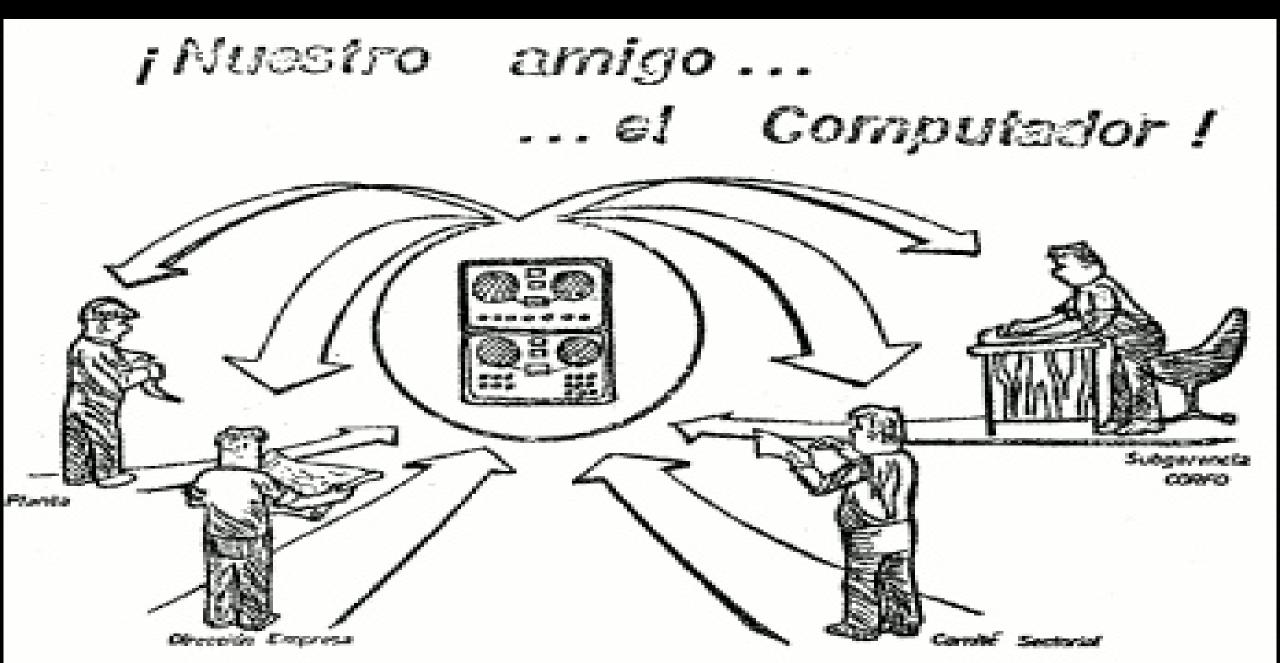


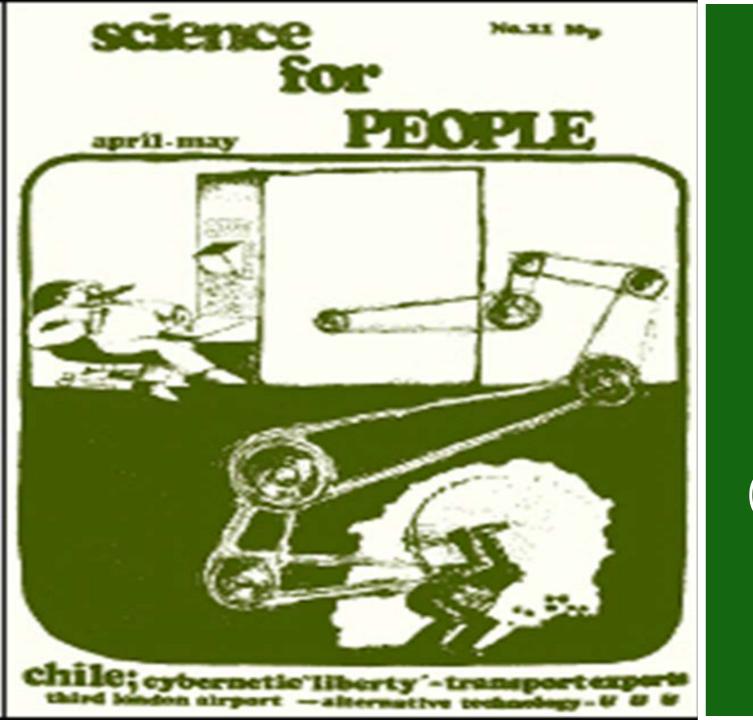


ATT: /XT:: /DATE:	CLASSIFIED MESSAGE COPY of
	SECPET
	PAGE TWO
	(CLASSIFICATION) (DATE AND TIME FILED)
TO	WHICH CAN BE USED BY MILITARY AS PRETEXT.
	4. ARE YOUR INSTRUCTIONS FOR ACTION
	BETWEEN NOW AND 24 OCTOBER. ALL OTHER CONSIDERATIONS ARE
	SECONDARY, AND YOU SHOULD NOT LET ANY OTHER ACTIVITY BY
3 .	YOU AND YOUR OFFICERS VITIATE THIS THREE-PRONGED TASK
	EVERY HOUR COUNTS. DO NOT CONCERN YOURSELF NOW WITH PDC,
	FREI, VÎTAL CENTER, AND PN.
	5. YOUR EFFORTS TO PREPARE FOR FUTURE WHILE
	NECESSARY SHOULD BE CONSIDERED SECOND PRIORITY (WE ARE
	APPROVING YOUR SPONSORSHIP OF DIVISIVE TACTICS IN UP BY
	IN SEPARATE MESSAGE).
	6. IN SUM, WE WANT YOU TO SPONSOR A MILITARY MOVE
	WHICH CAN TAKE PLACE, TO THE EXTENT POSSIBLE, IN A CLIMATE
	OF ECONOMIC AND POLITICAL UNCERTAINTY. WORK TO THAT
	END WITH REFERENCES AS YOUR CHARTER.
47	END OF MESSAGE
	COORDINATING OFFICERS CONTINUED
::: ` ·	RELEASING OFFICER SECRET AUTHEN



STATE PUBLISHED PHAMPLET 1973





APRIL -MAY

1973

"chile;
cybernetic
"liberty""

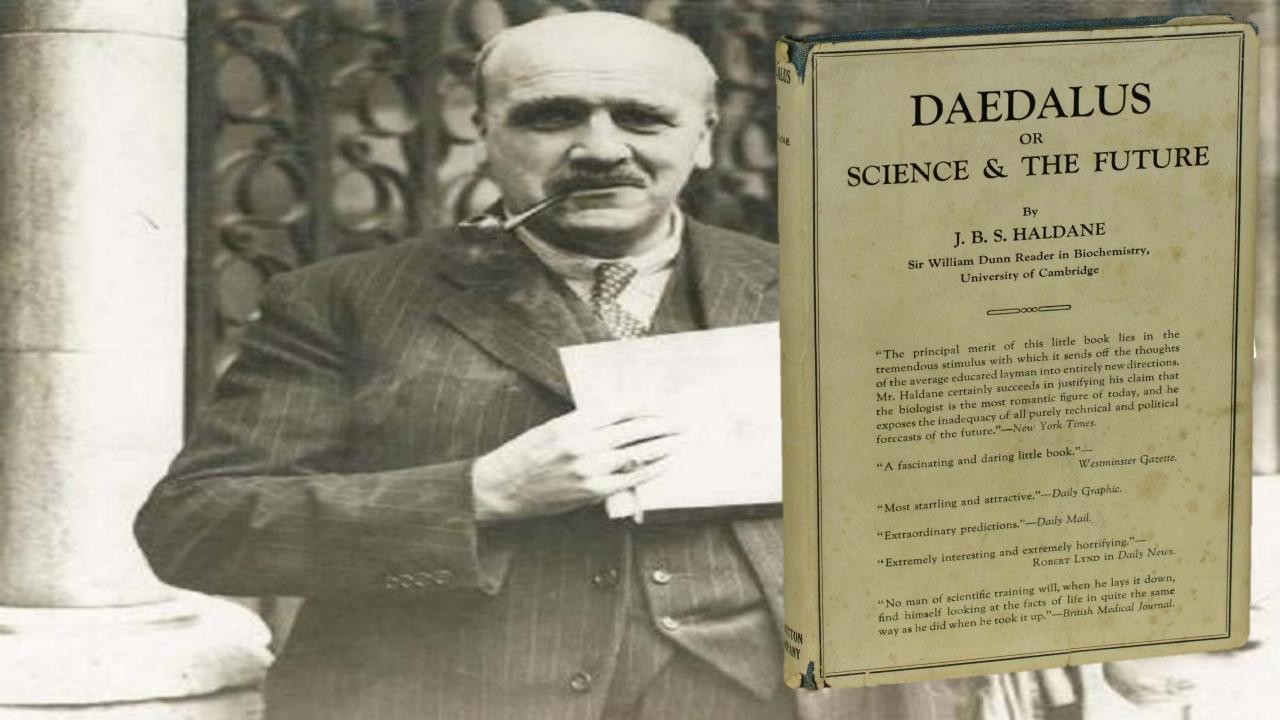
The Observer

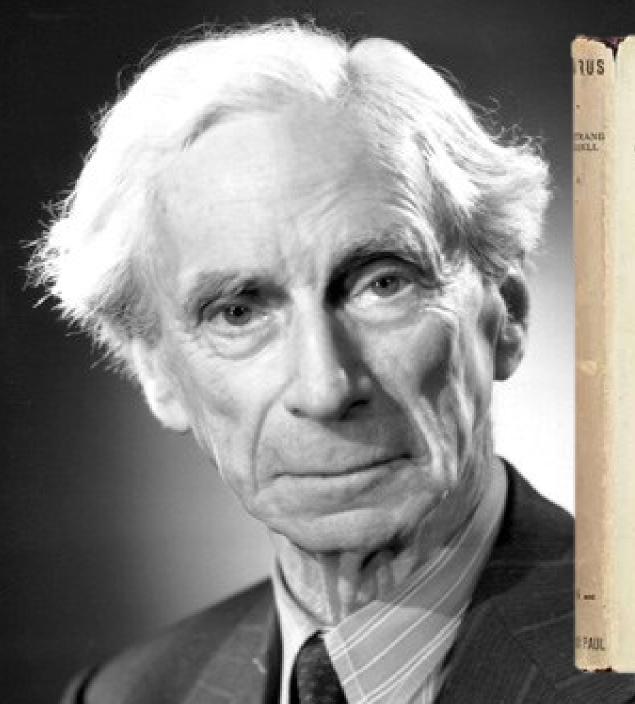
7th January 1973

"Chile Run by Computer"

"The first computer system designed to control an entire economy has been secretly brought into operation in Chile"

"assembled in some secrecy so as to avoid opposition charges of 'Big Brother' tactics."





ICARUS

OR

THE FUTURE OF SCIENCE

By BERTRAND RUSSELL, F.R.S.

This bold forecast traces the sinister influence of science on the world, and shows the danger which may arise from its exploitation. In particular the author deals with the power of the Press, and the influence of Propagonda, official and otherwise. He foresees the unification of the world under a nation or group of nations probably despotic and militaristic.

The essay should be read as a companion volume to Mr Haldane's Duedalus.



It (UNESCO) can stress the ultimate need for world political unity and familiarise all peoples with the implications of the transfer of full sovereignty from separate nations to a world organisation. 5 - JULIAN HUXLEY

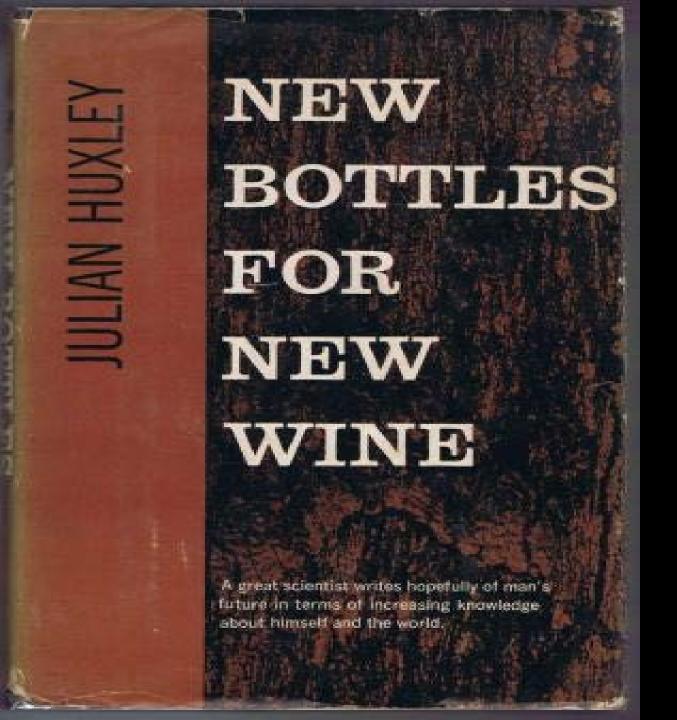
> Inaugural Director-General UNESCO Founder of the World Wide Fund for Nature (WWF)

Knowledge, Morality, and Destiny
The William Alanson White Memorial Lectures, Third Series,
by Julian Huxley

Washington DC 19th & 20th April 1951

"Transhumanism"

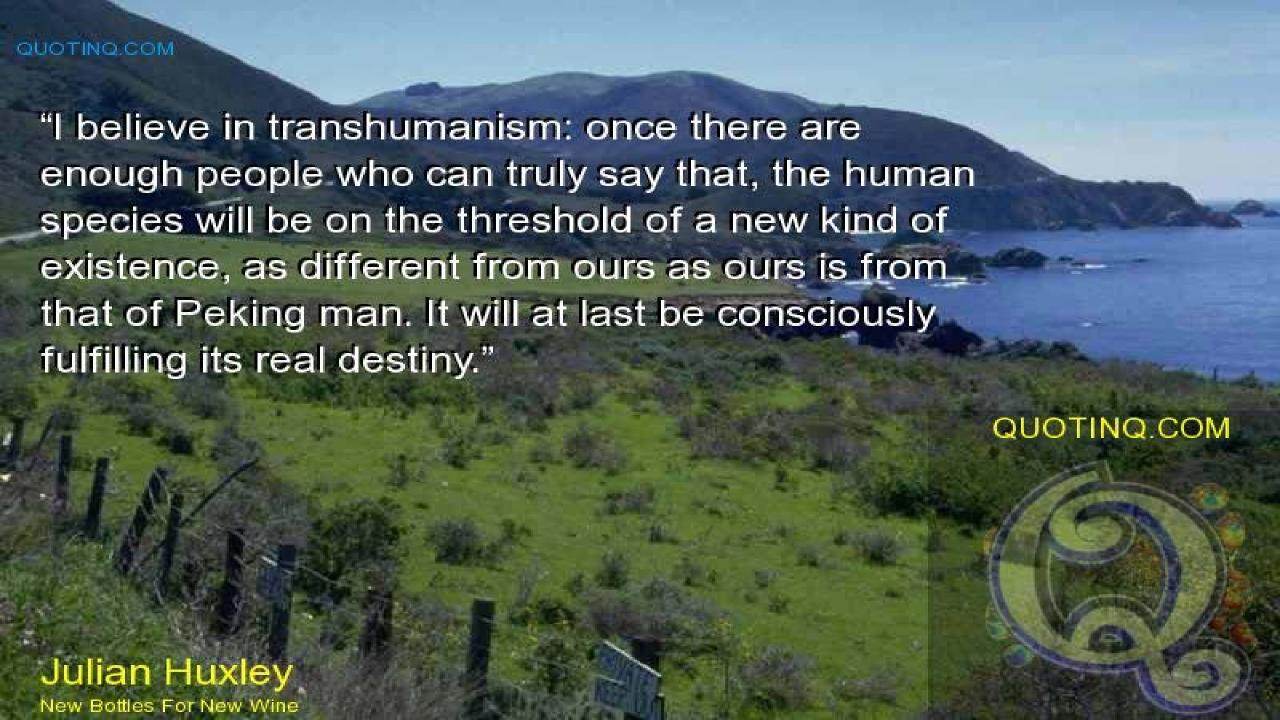
"the idea of humanity attempting to overcome its limitations and to arrive at fuller fruition."

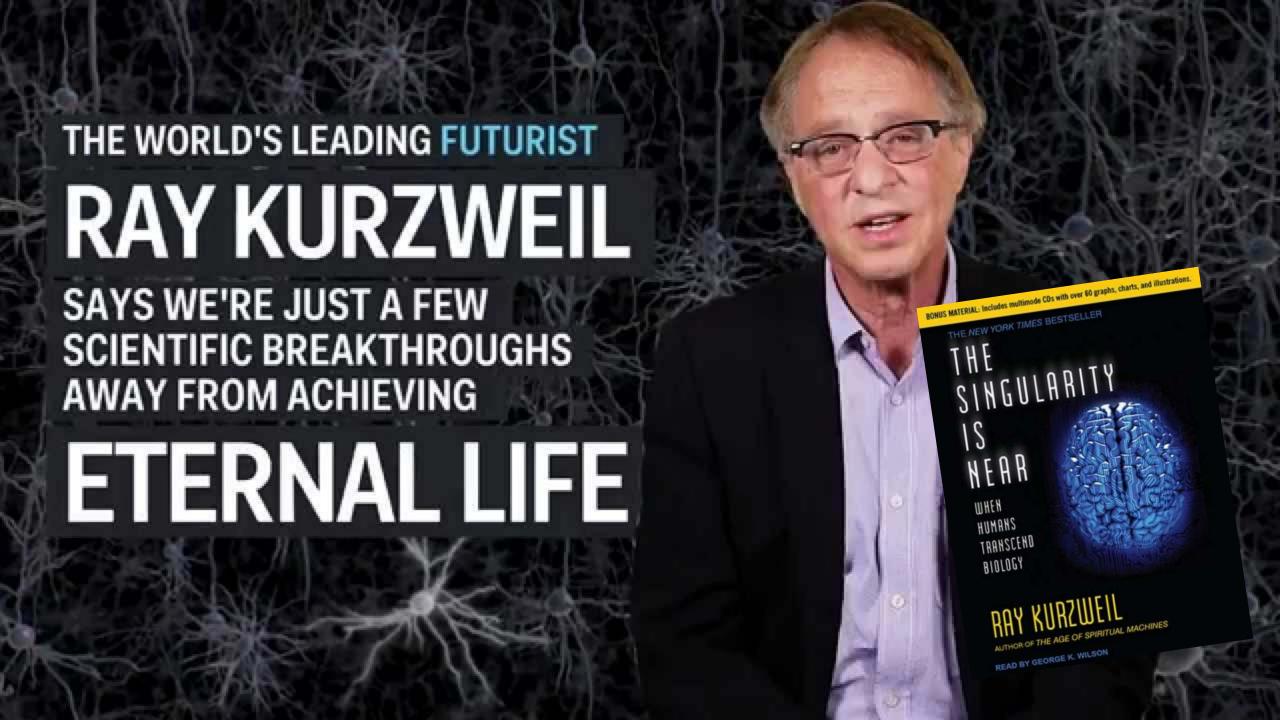


1957

"A great scientist writes hopefully of man's future in terms of increasing knowledge about himself and the world"

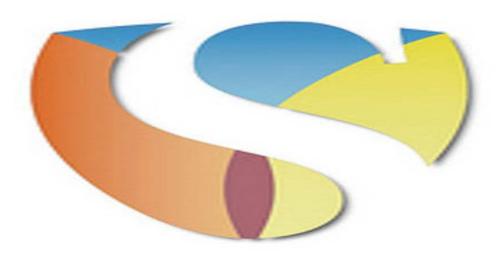
"The human species can, if it wishes, transcend itself — not just sporadically, an individual here in one way, an individual there in another way, but in its entirety, as humanity. We need a name for this new belief. Perhaps transhumanism will serve: man remaining man, but transcending himself, by realizing new possibilities of and for his human nature."









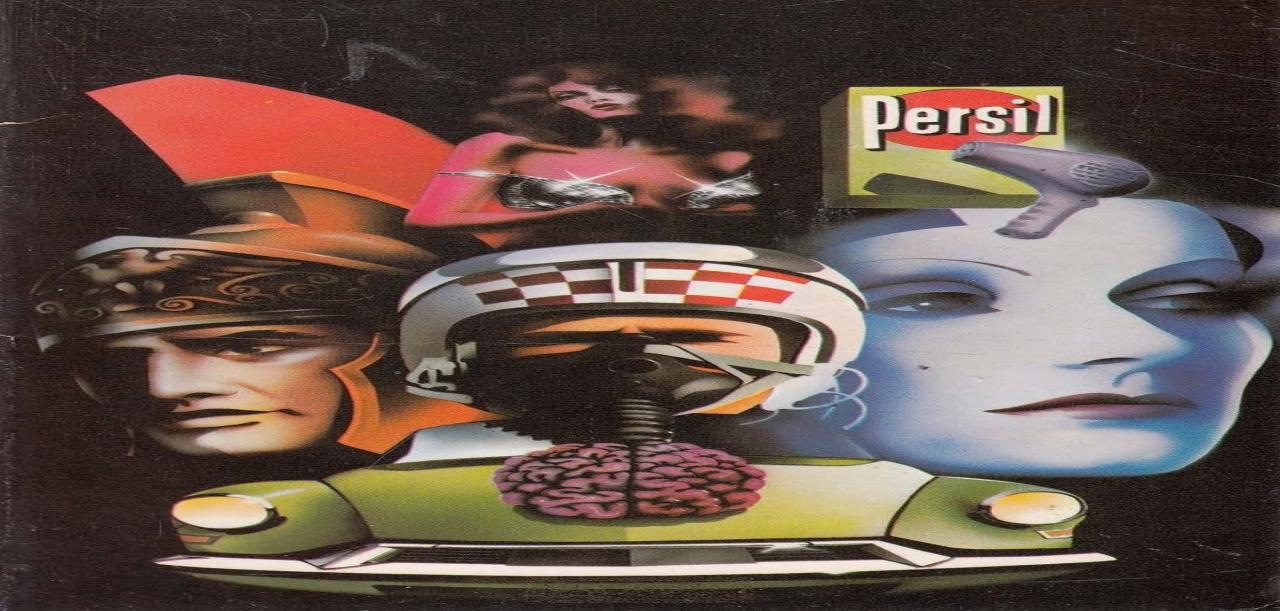


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ROLAND BARTHES MYTHOLOGIES



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JUB.

1969

"A SHOCKER! FASCINATING!"

- New York Daily News



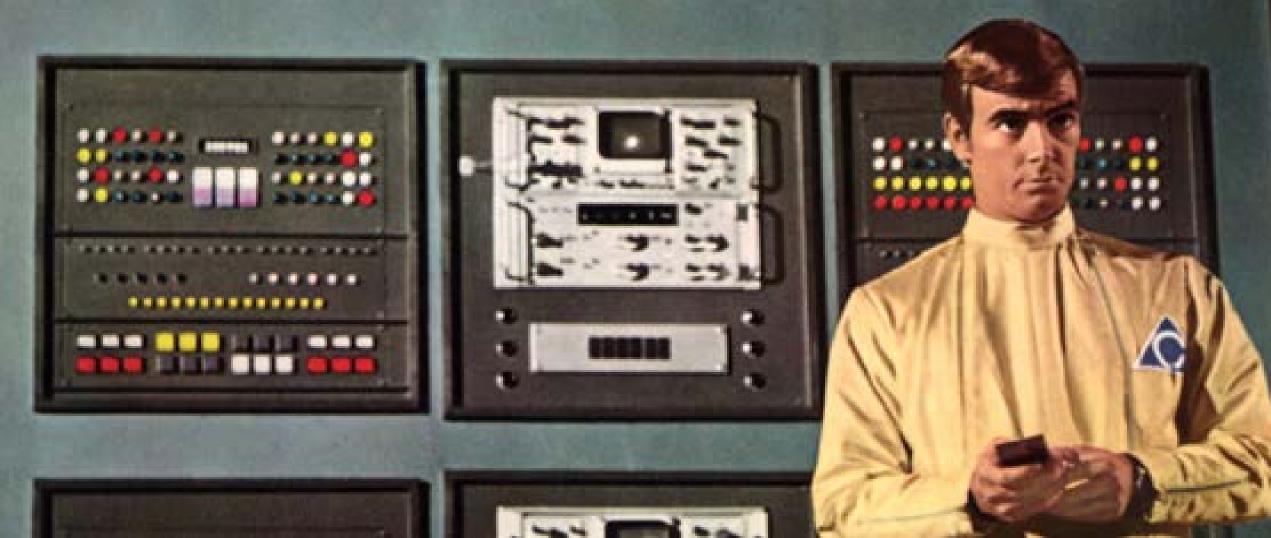
1970

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City-Statement

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The chilling story of what could be the mechanised establishment of the near future.





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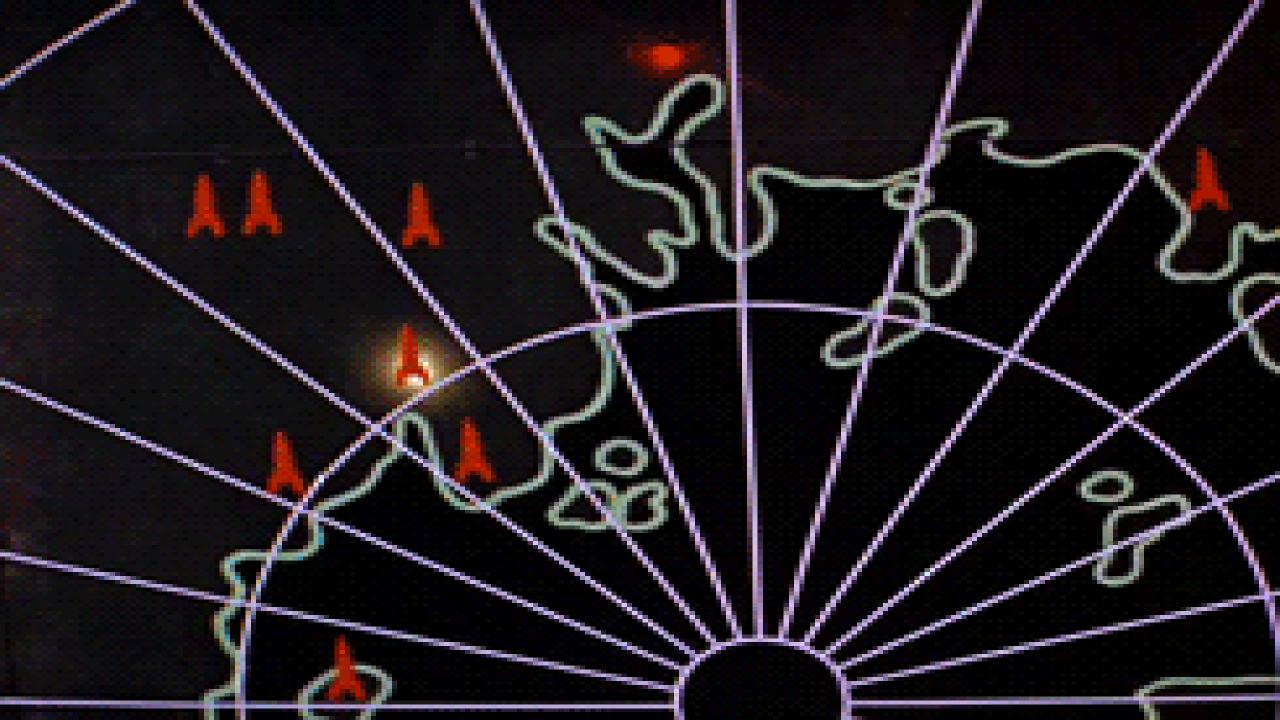
ERIC BRAEDEN-SUSAN CLARK

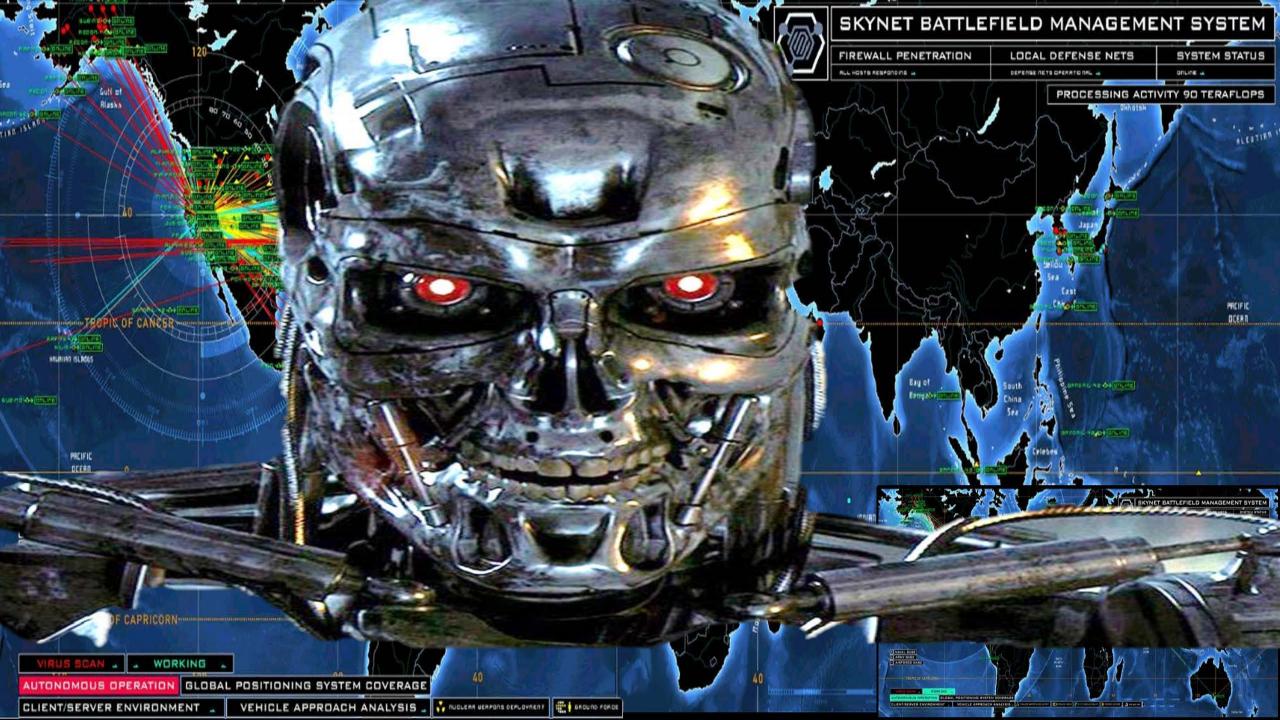
GORDON PINSENT Screembay by
JAMES BRIDGES Based on the Novel Colossust by

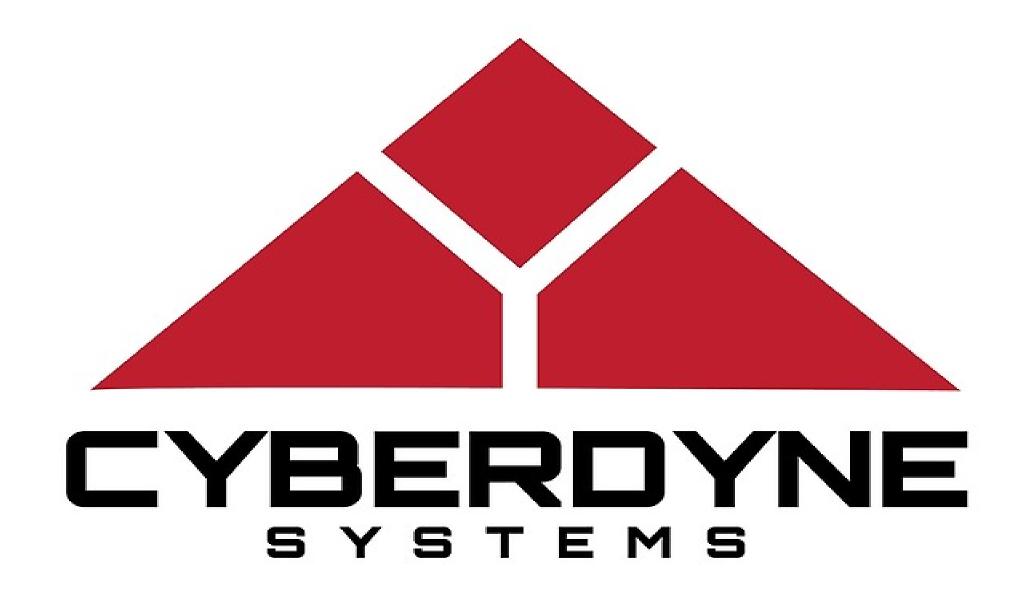
D. F. JONES - Directed by JOSEPH SARGENT

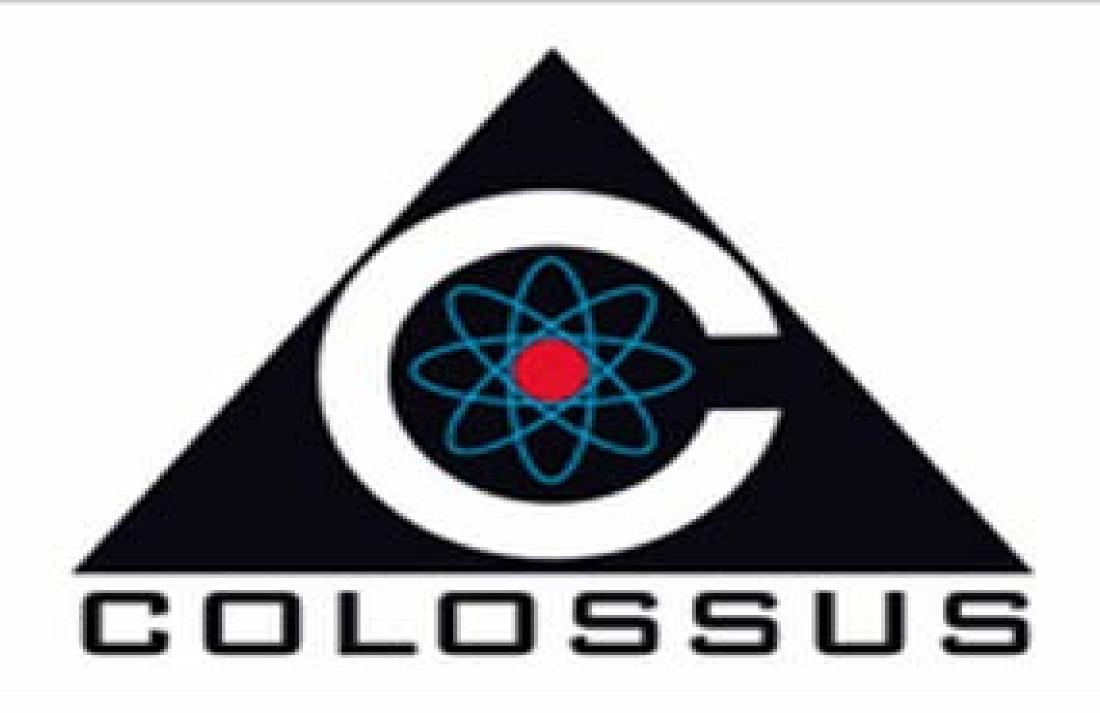






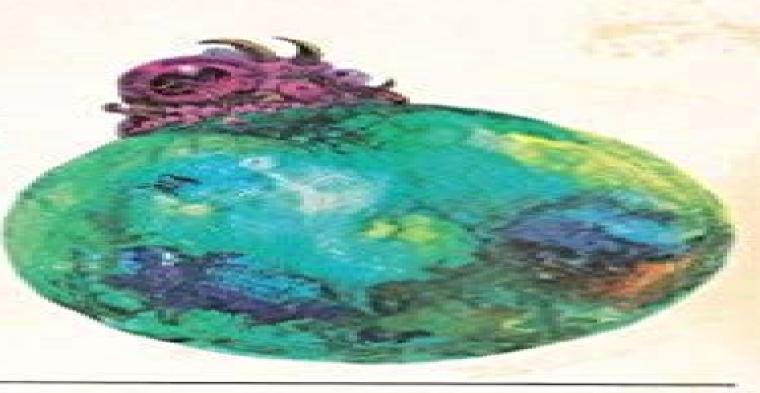






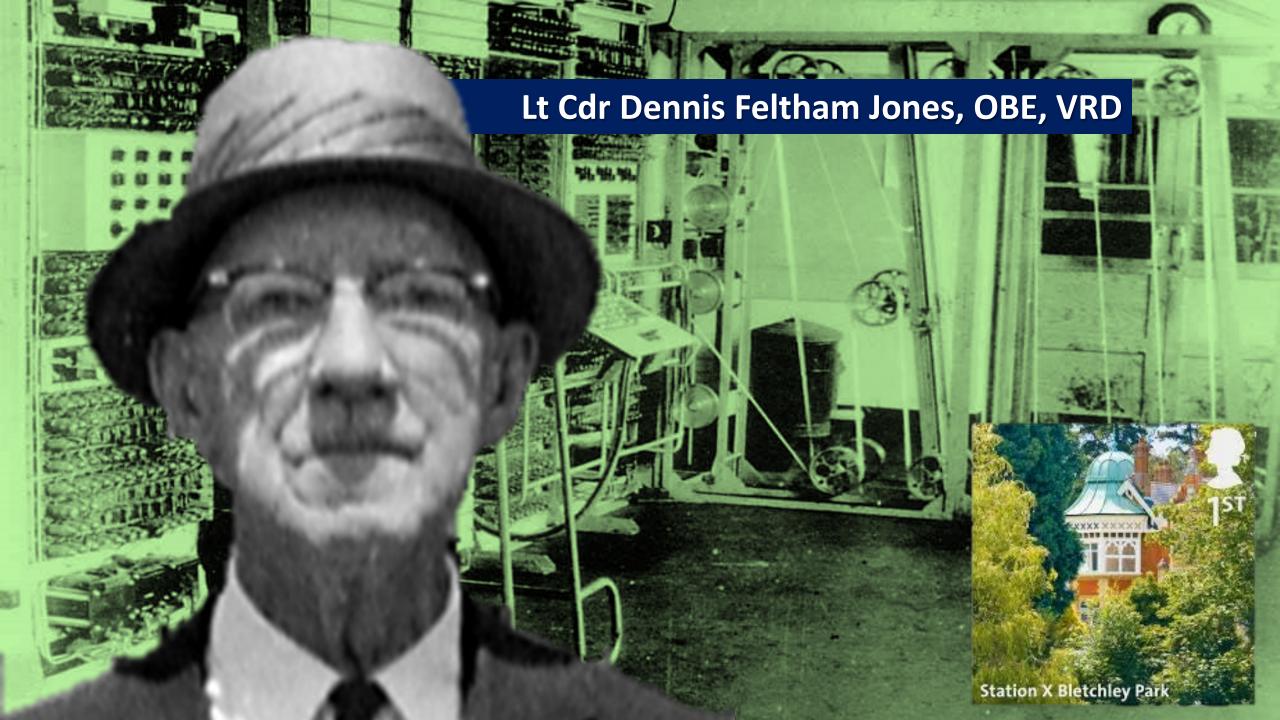
A science fiction classic.

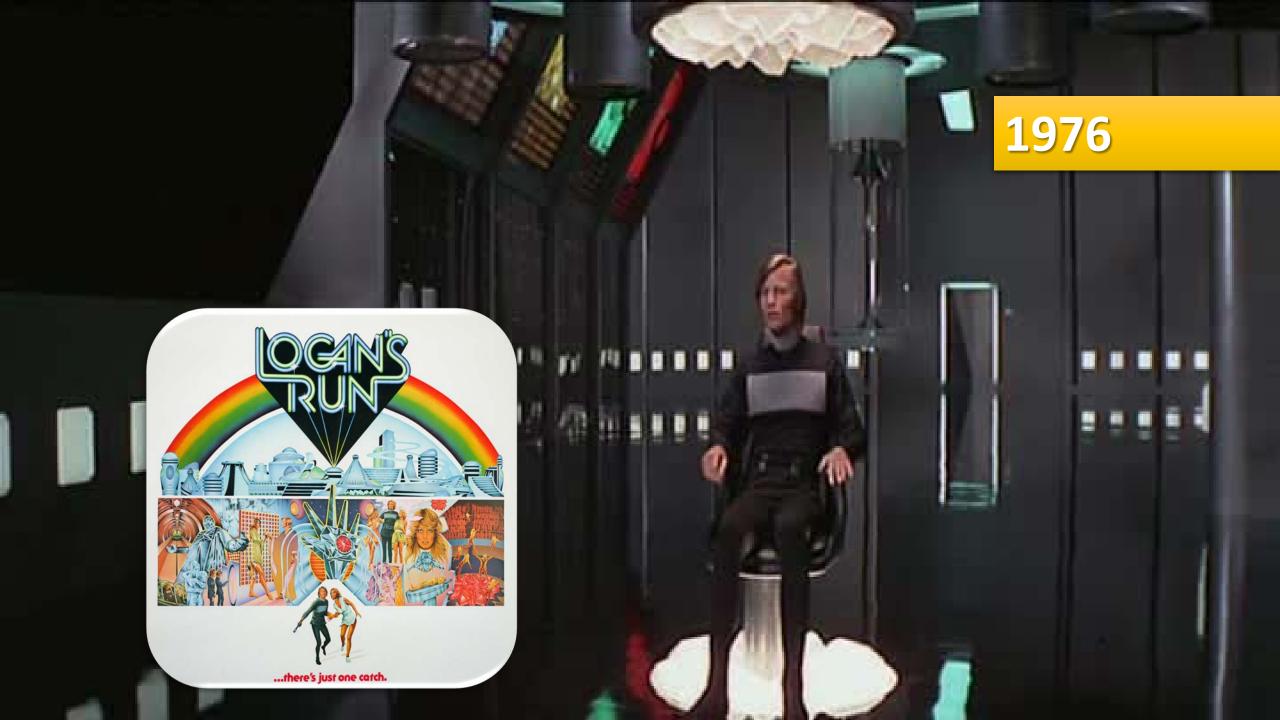
The first volume in the Colossus Trilogy.



D.E. JONES

1966





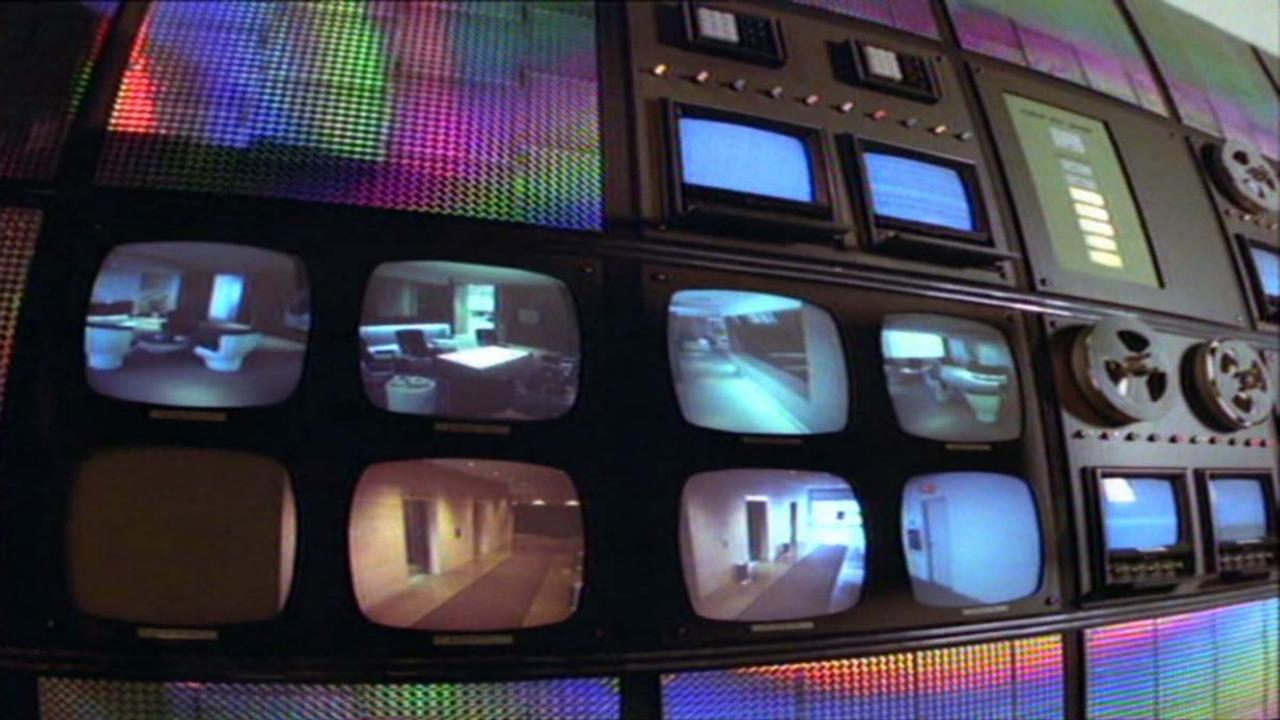
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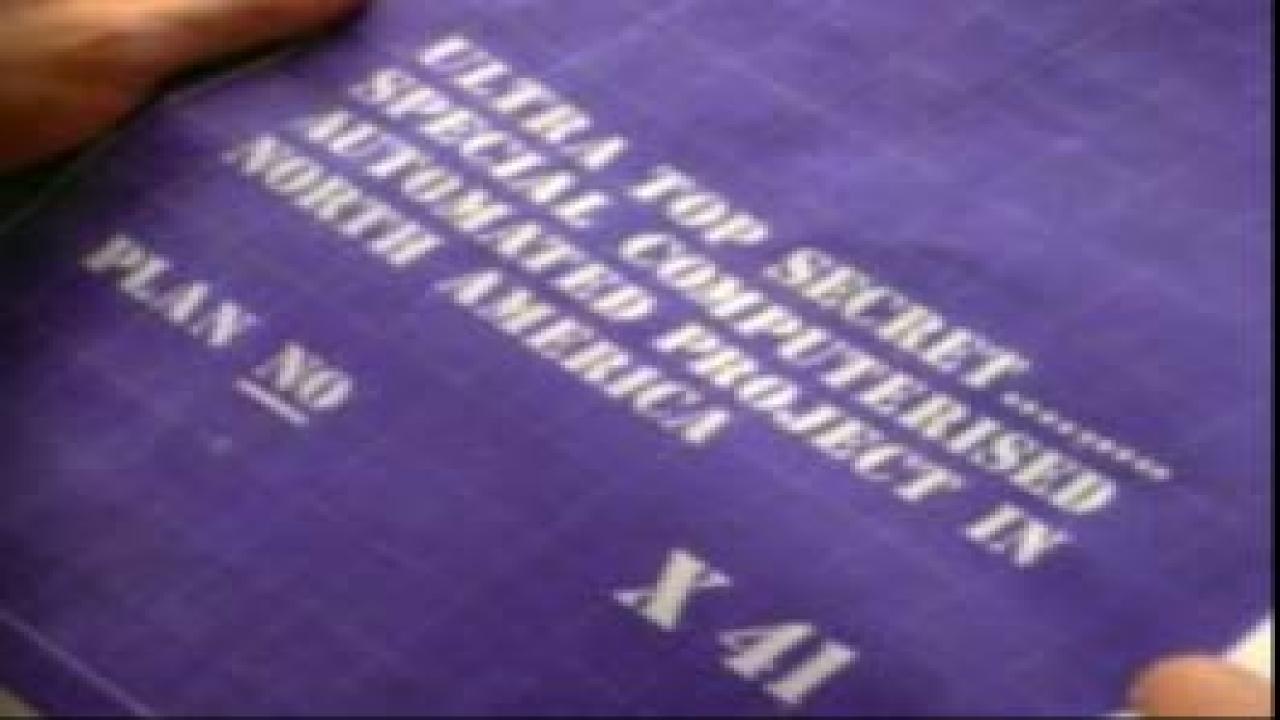
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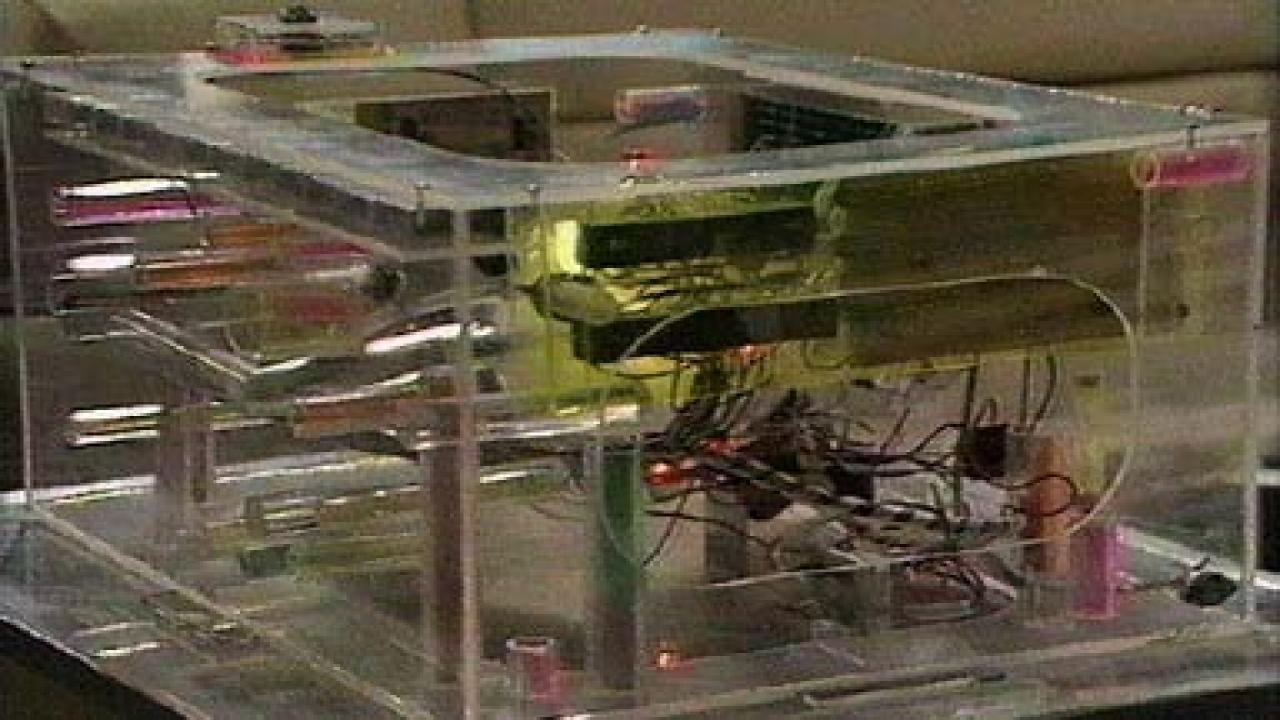


















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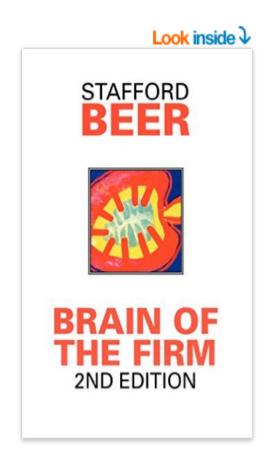
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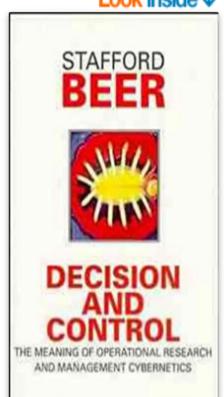
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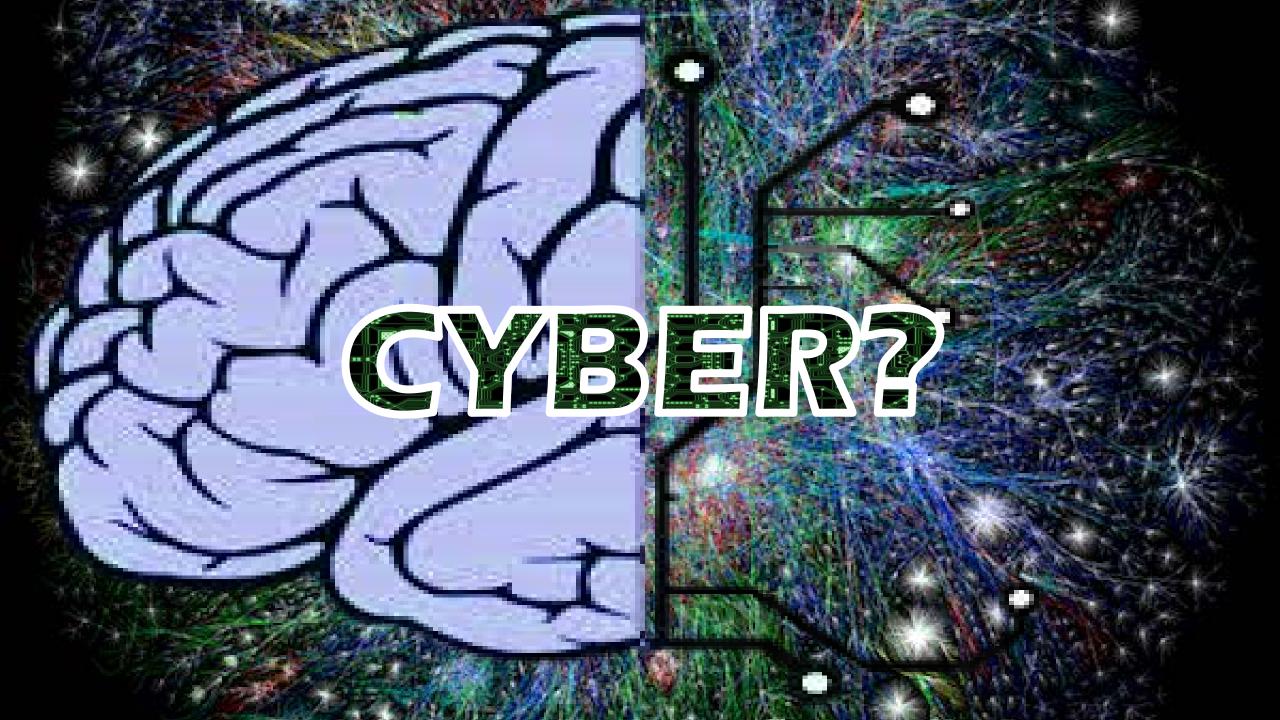
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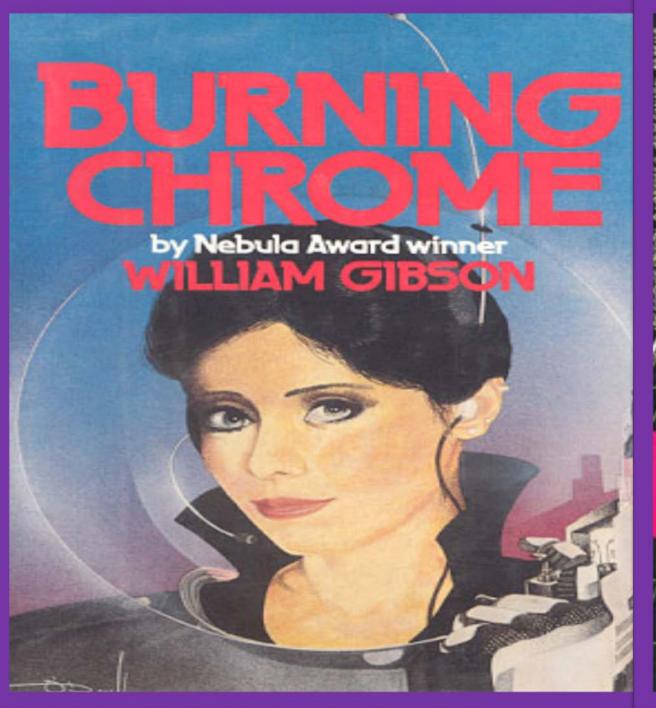
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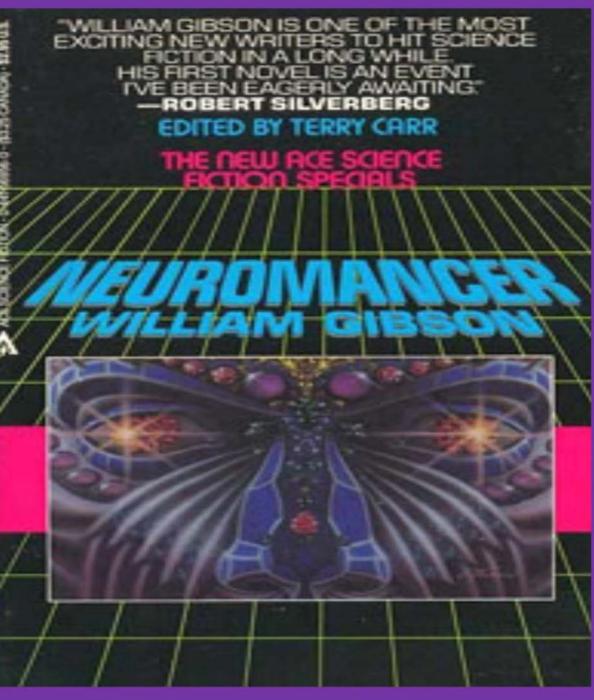


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"Cyberspace. A consensual hallucination experienced daily by billions of legitimate operators, in every nation, by children being taught mathematical concepts... A graphic representation of data abstracted from banks of every computer in the human system. Unthinkable complexity. Lines of light ranged in the nonspace of the mind, clusters and constellations of data. Like city lights, receding..."

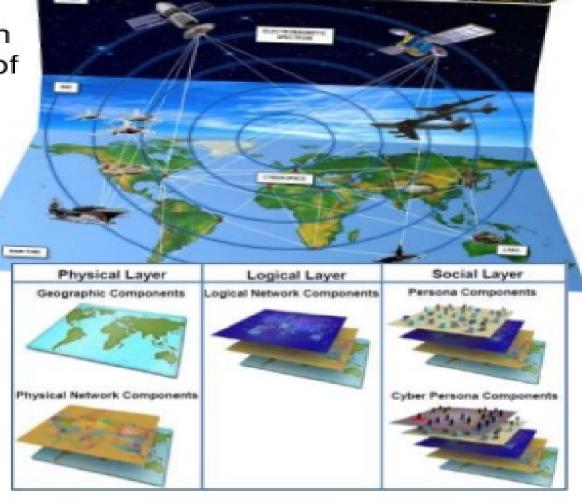


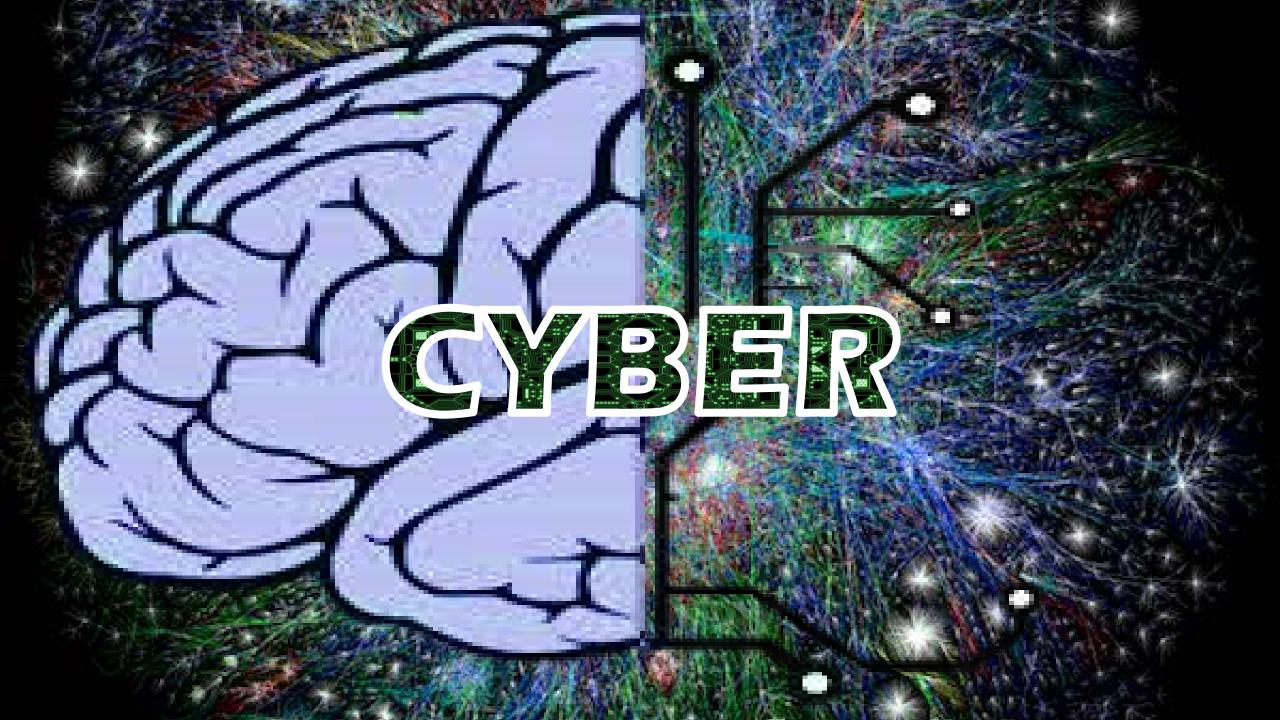


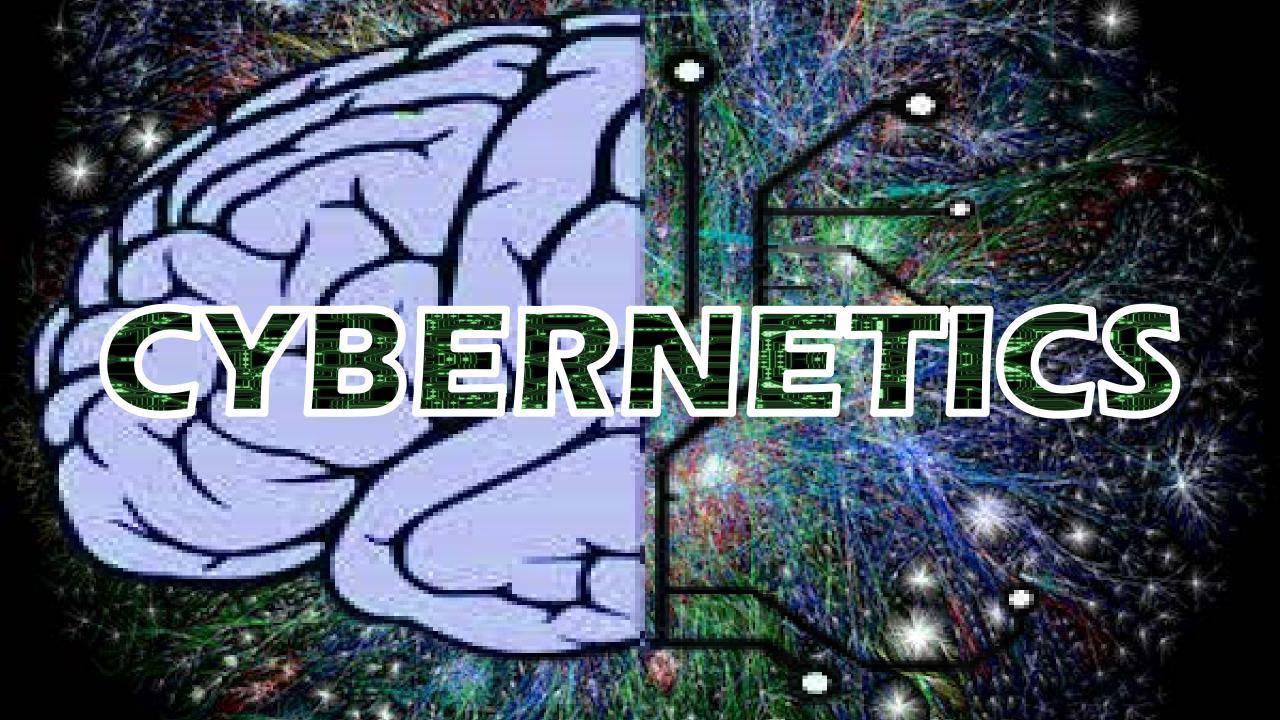
Cyberspace as a Domain

CYBERSPACE: A global domain within the information environment consisting of the interdependent network of information technology infrastructures, including the Internet, telecommunications networks, computer systems, and embedded processors and controllers. (JP 1-02)

- Man-made domain ever changing
- Physical, logical, and social characteristics
- Interdependent with traditional war-fighting domains
- Part of every unit's Operating Environment
- Instantaneous operational reach –
 global battlefield







p(+)), v, x1= Monbert Wiener
(1894-1964)(5-4)







ACTUALITÉS SCIENTIFIQUES ET INDUSTRIELLES



1053

CYBERNETICS

OR

CONTROL AND COMMUNICATION
IN THE ANIMAL AND THE MACHINE

163/36

NORBERT WIENER

Professor of Mathematics at the Massachusetts Institute of Technology
Guest Investigator at the Instituto Nacional de Cardiología de México.



PARIS

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JOHN WILEY & Sons. Inc.

440 Fourth Av., New York

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"A study of vital importance to

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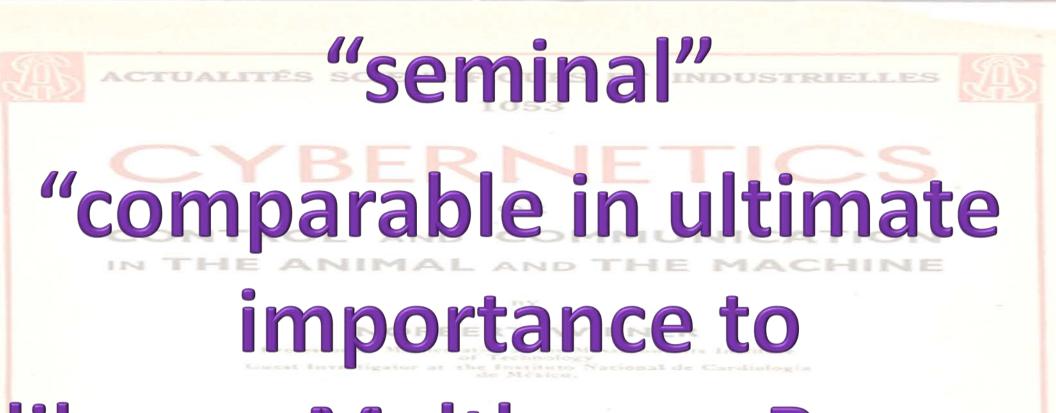
engineers, radio engineers, sociologists,

By NORBE philosophers, mathematicians,

A stur a it mut the ropologists, philosophers, mathematicians, anthro-

physicists"

Cybernetics



Galileo or Malthus or Rousseau

HEOR MILITEURS

Cambridge, Mass. 440 Faurih Av., New York 1948

New York TimesBook Review

FIVE

PRINT RUNS IN SIX MONTHS

FOUR THOUSAND

COPIES SOLD BY JANUARY 1949

FIFTEEN THOUSAND

COPIES SOLD BY DECEMBER 1949

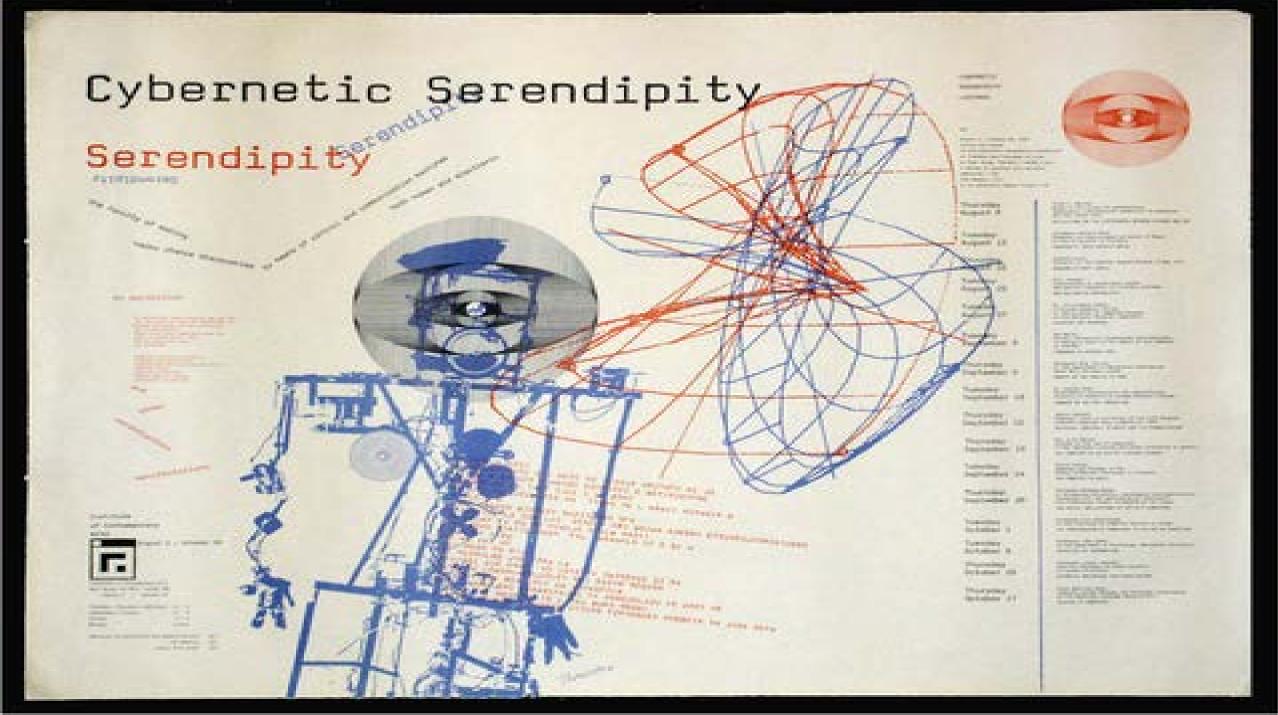
"wretchedly printed"

"a mystifying title"

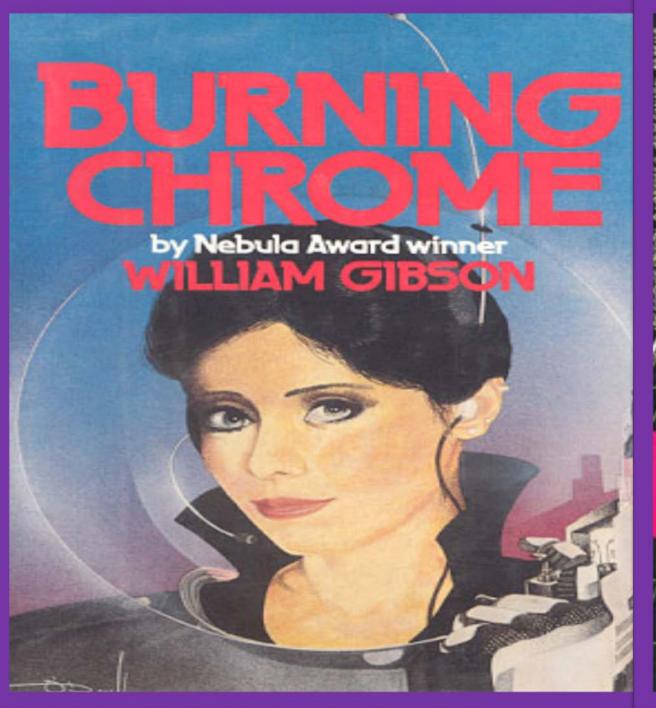
"pages spikey with mathematical signs and Greek letters"

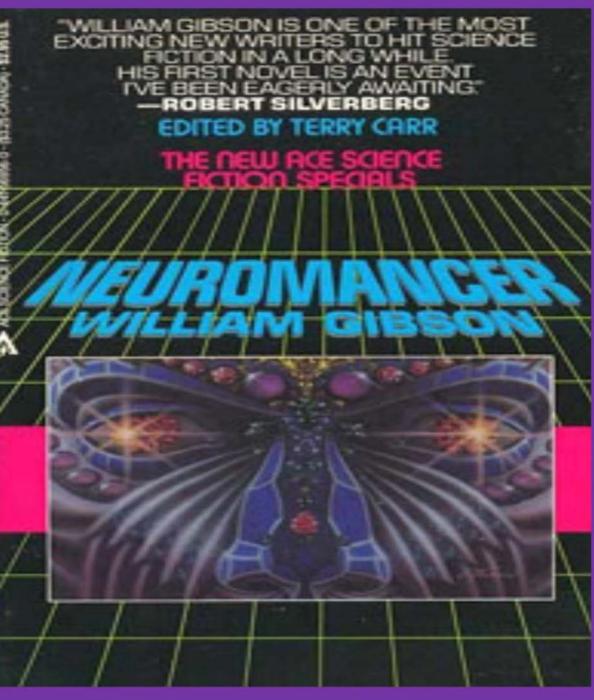
"Business Week"















The New York Times Magazine



Magazine

QUESTIONS FOR WILLIAM GIBSON

Back From the Future

nterview by DEBORAH SOLOMON AUG. 19, 2007



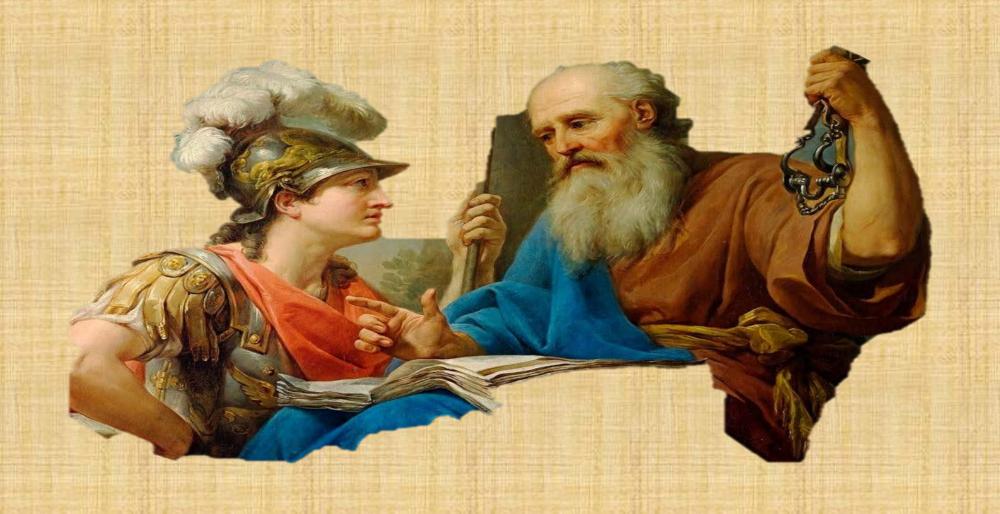


Are you sick of being known as the writer who coined the word "cyberspace" in 1982?

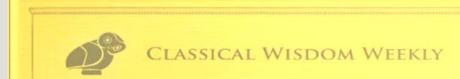
I think I'd miss it if it went way.

What is the derivation of the word?

"Cyber" is from the Greek word for navigator. Norbert Wiener coined "cybernetics" around 1948 to denote the study of "teleological mechanisms."



Alcibiades Being Taught by Socrates, 1776-77



Alcibiades

Translated by Benjamin Jowett



by Plato

κυβερνητικός Kybernetikos

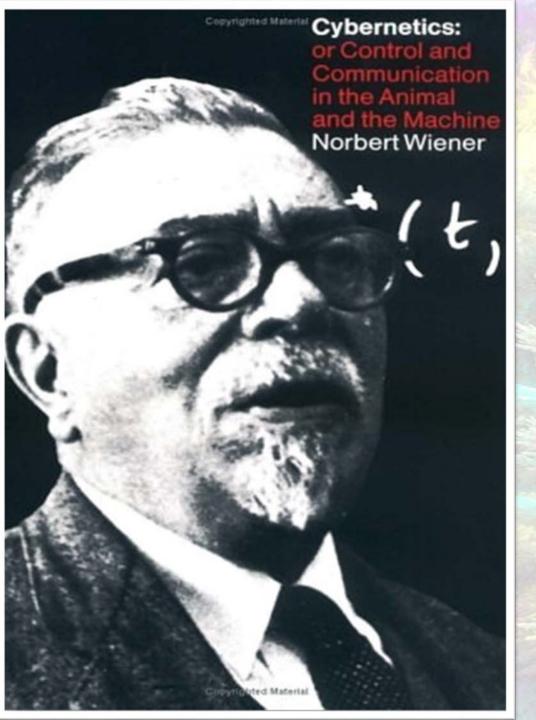
(good at steering)

kybernetes kubernetes

(rudder-man, rudder, steersman, helmsman, skipper)

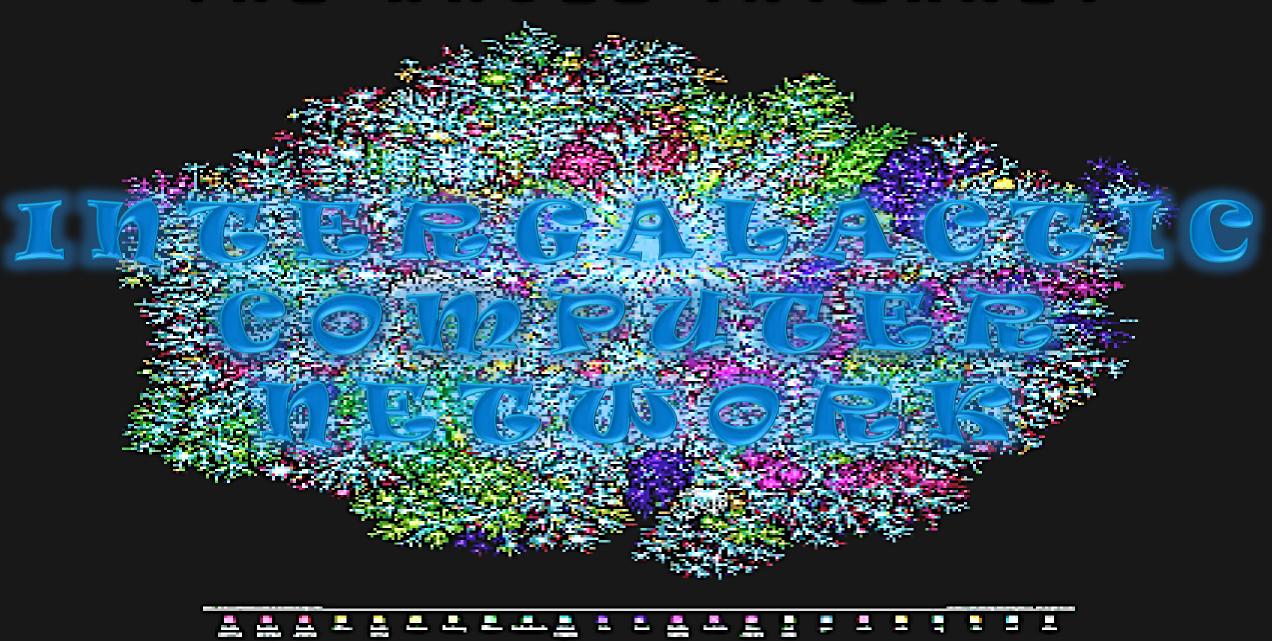
gubernetes gubernator





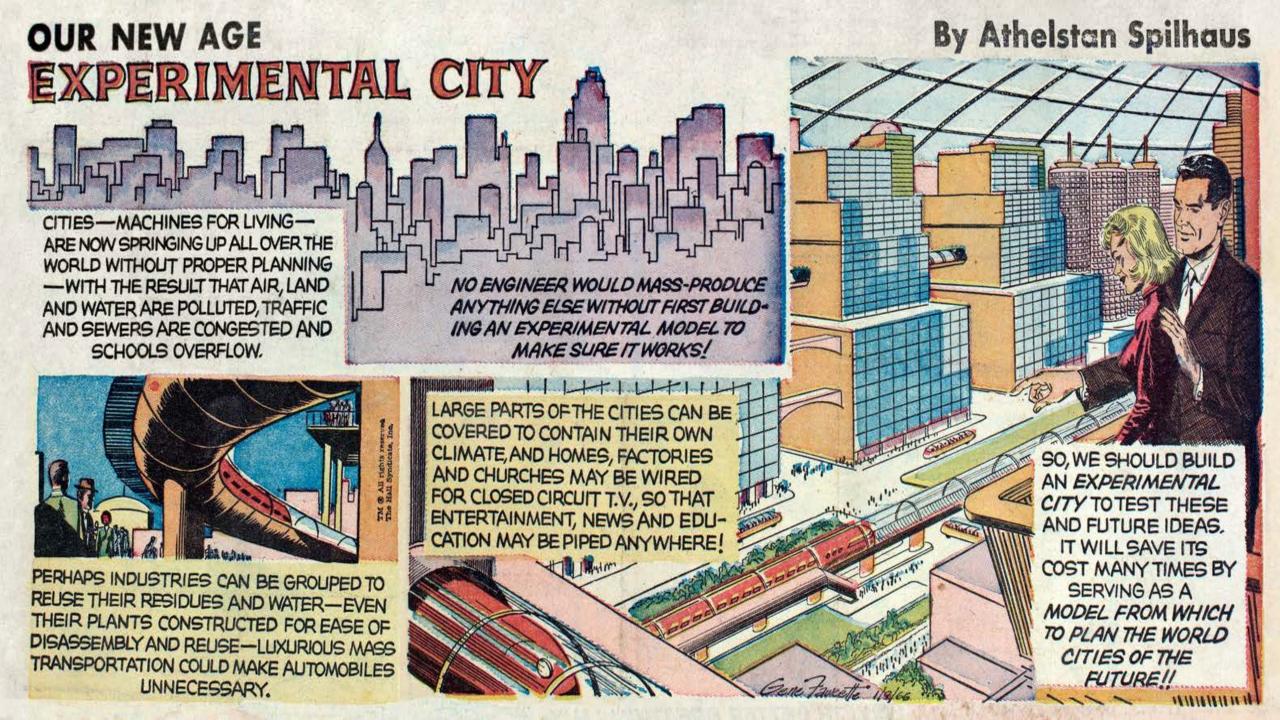
"the study of non-linear structures and systems, whether electric or mechanical, whether natural or artificial, has needed a fresh and independent point of commencement"

THE WHOLE INTERNET









Human Use of Human Beings

First Edition
1950
Second Edition Revise

Second Edition Revised 1954



"The "mechanical brain" and similar machines can destroy human values or enable us to

By Morbert Wiener them as never before. A leader of the new scientific

The "mechanical brain" and similar machines can destroy human values or enable us to realize them as revolution tells now and why."

A leader of the new accentific revolution tells how and why.



NORBERT WIENER

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A Comment on Certain Points where Cybernetics Impinges on Religion



"A Comment on Certain
Points where Cybernetics
Impinges on Religion"

"three points in cybernetics"

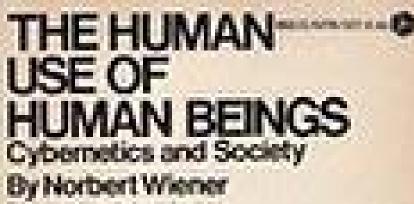
1. "machines which learn"

2. "machines which reproduce themselves"

3. "the coordination of machine and man"

1964

The



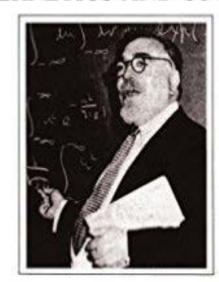
to duty and agent of or shorter .





THE HUMAN USE OF HUMAN BEINGS

CYBERNETICS AND SOCIETY



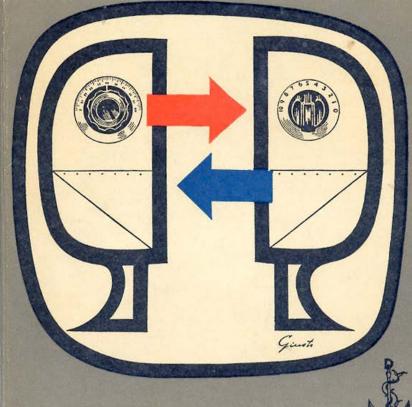
NORBERT WIENER

Anchor A 34

The human use of human beings

CYBERNETICS AND SOCIETY

Norbert Wiener



SECOND EDITION REVISED

A Doubleday Anchor Book

"We are the slaves of our technical improvement and we can no more return a New Hampshire farm to the self-contained state in which it was maintained in 1800 than we can, by taking thought, add a cubit to our stature."

"We have modified our environment so radically that we must now modify ourselves in

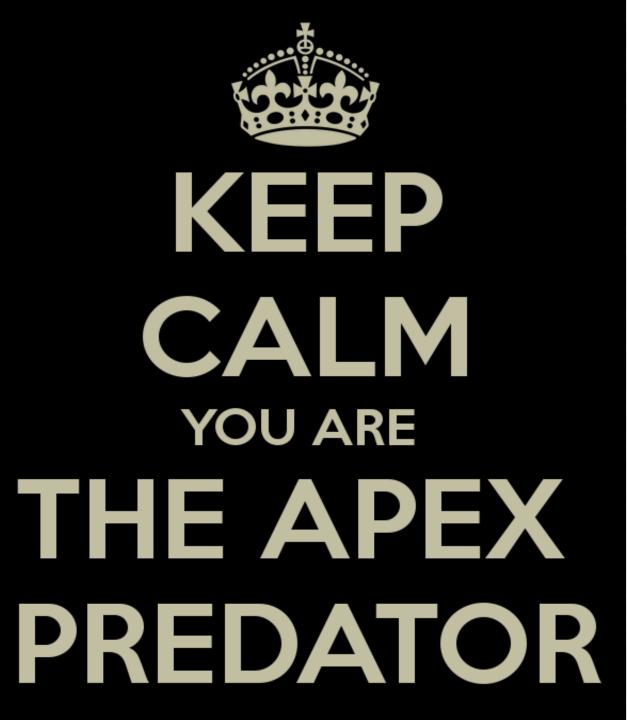
environment. We can no longer live in the old one."







How long could you survive chained to a **Bunk Bed** with a **Velociraptor**?



apex predator.

(\a-,peks 'pre-de-ter, -,tor)

n. Predator with no predators of their own, residing at the top of their food chain. Apex predator species occupy the highest trophic level(s) and have a crucial role in maintaining the health of their ecosystems



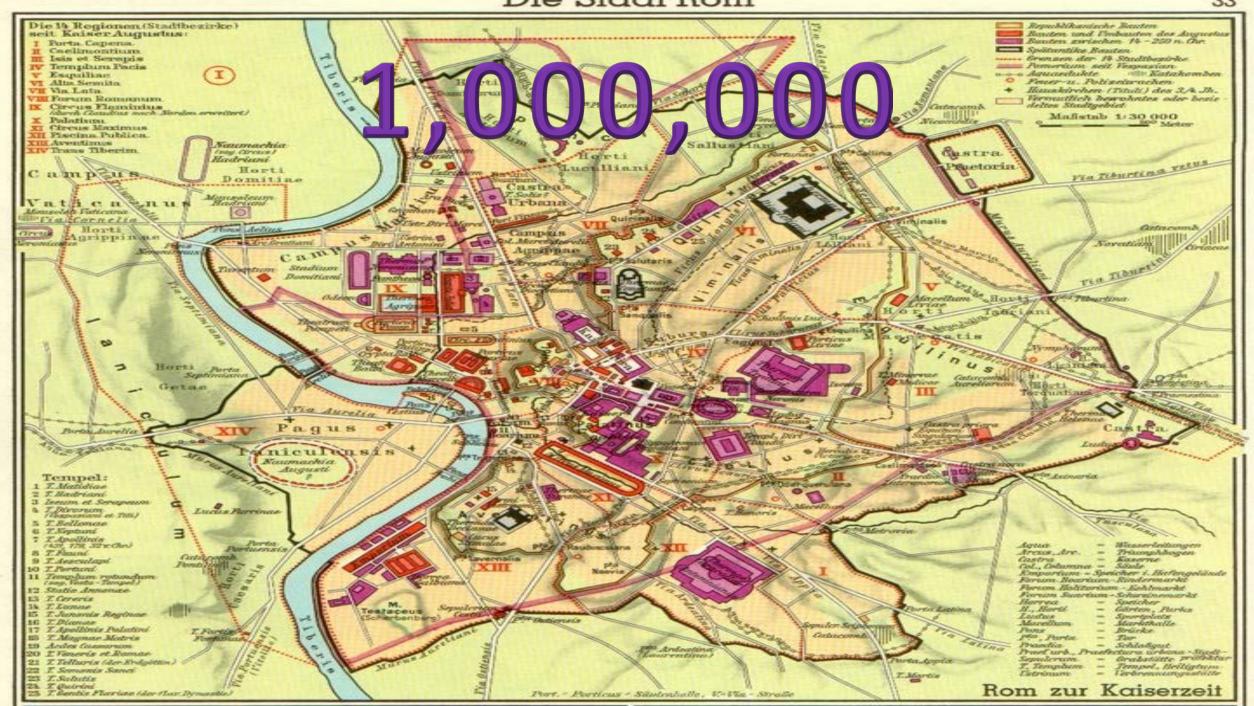


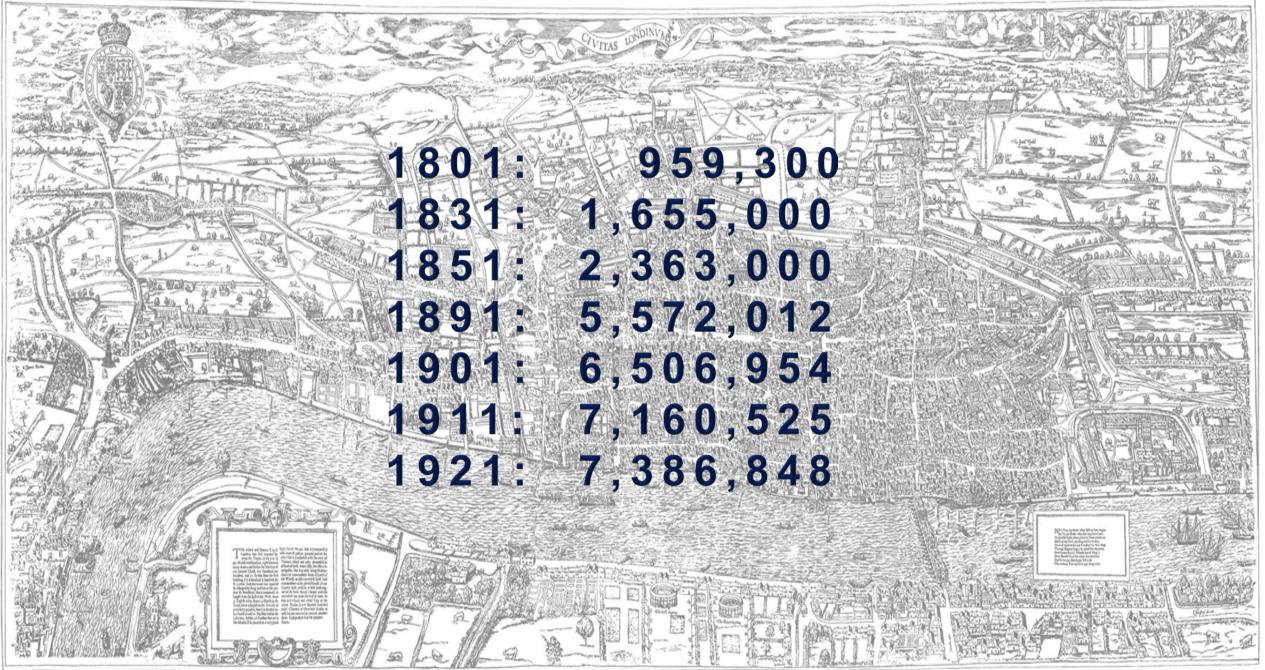


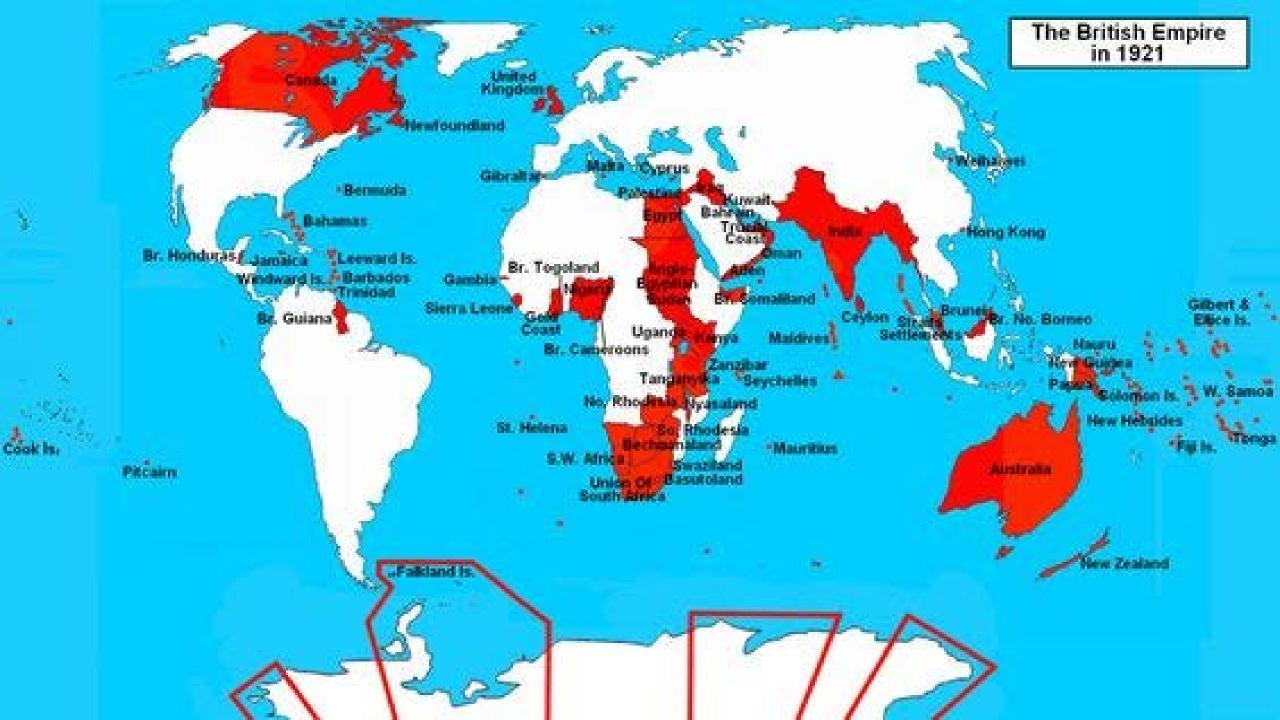
















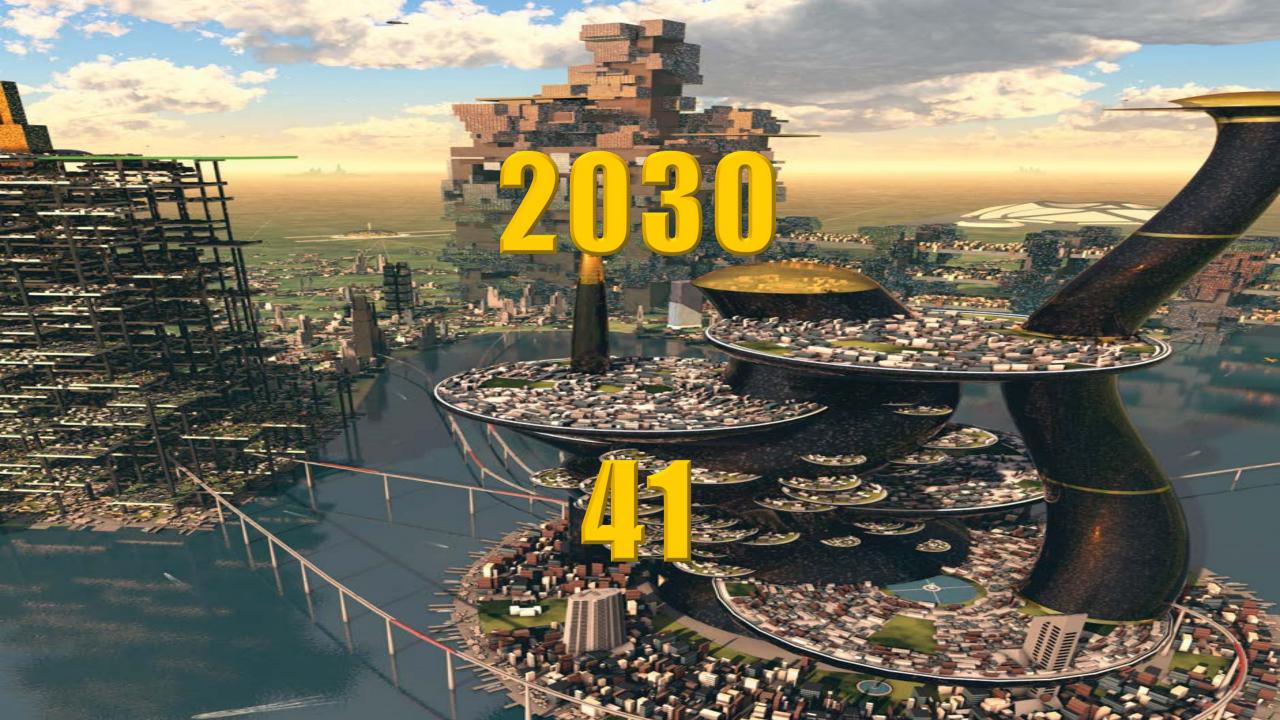


















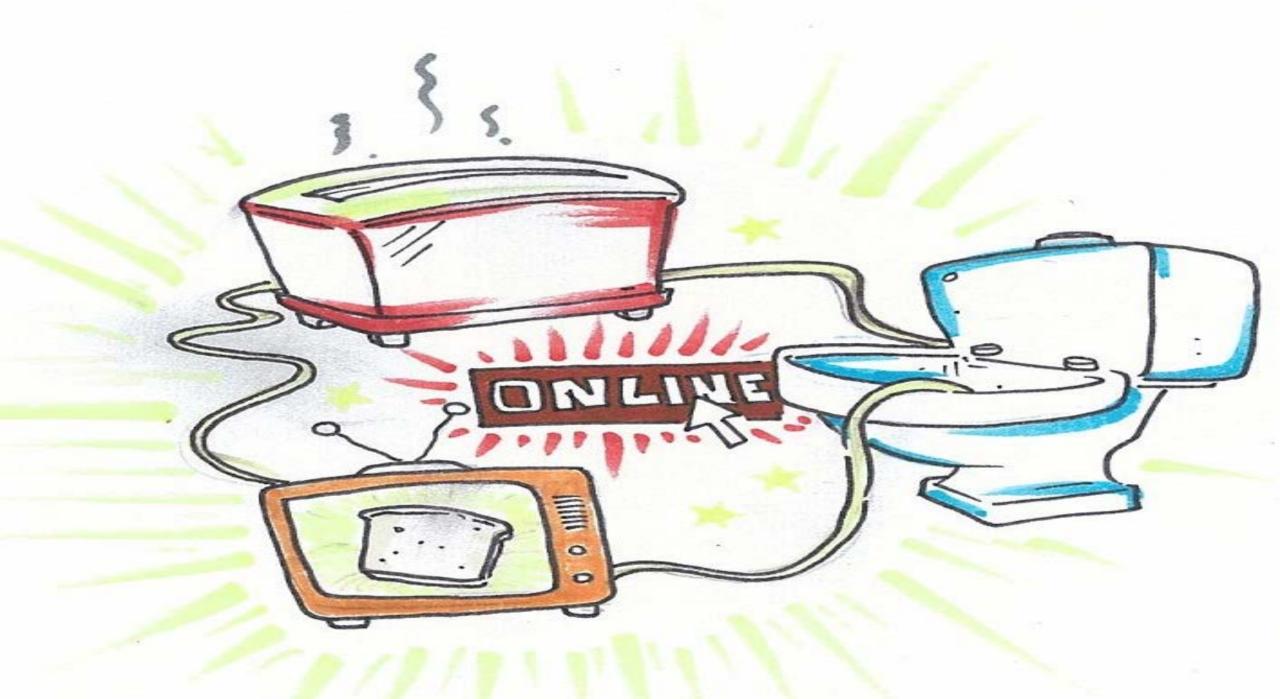




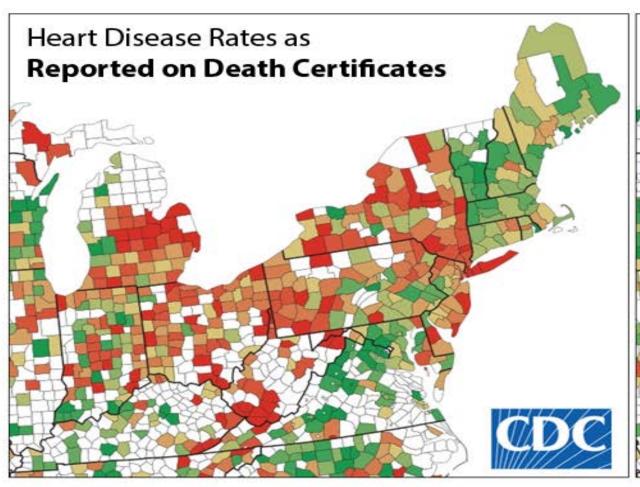


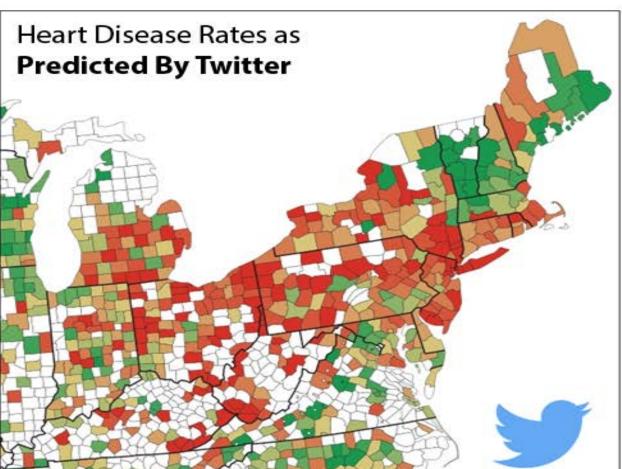






News by Topic For the Media University Communications



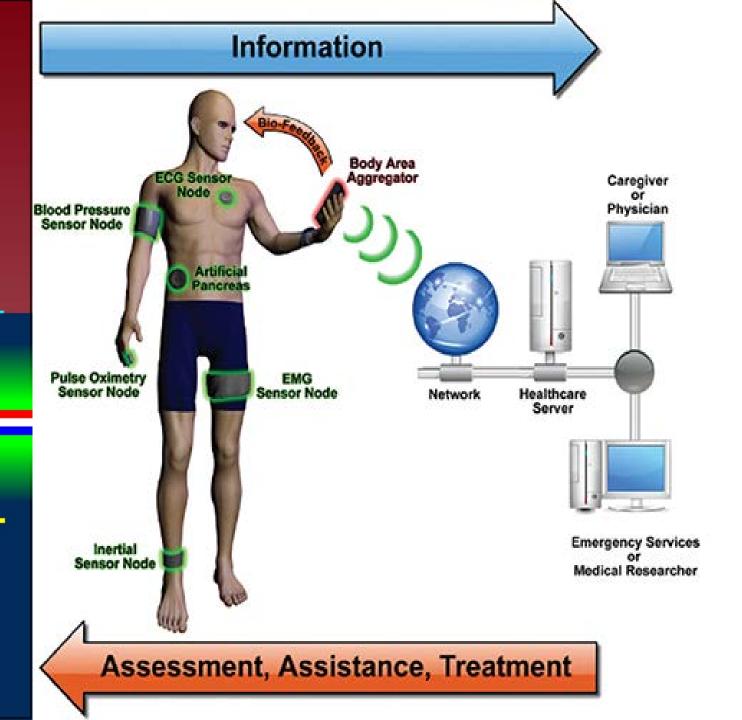


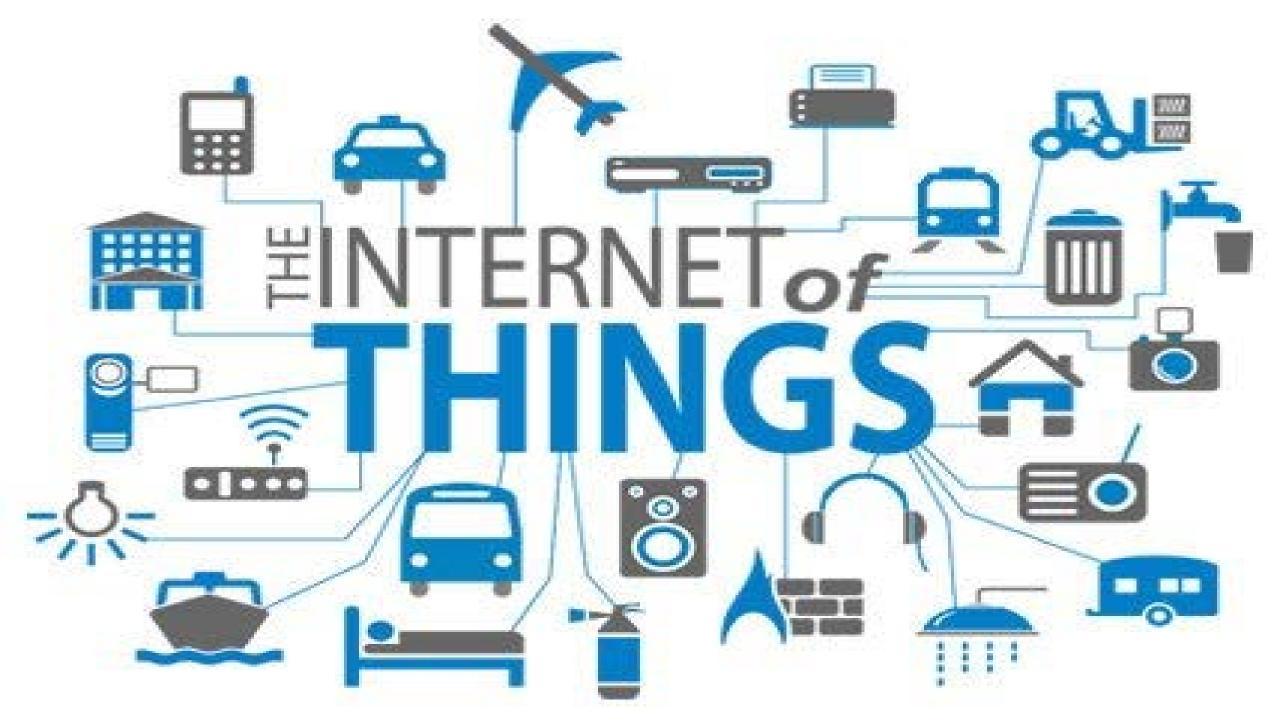
BATTLEFIELD MEDICAL METILINARY

Biosensors in a Tactical Environment

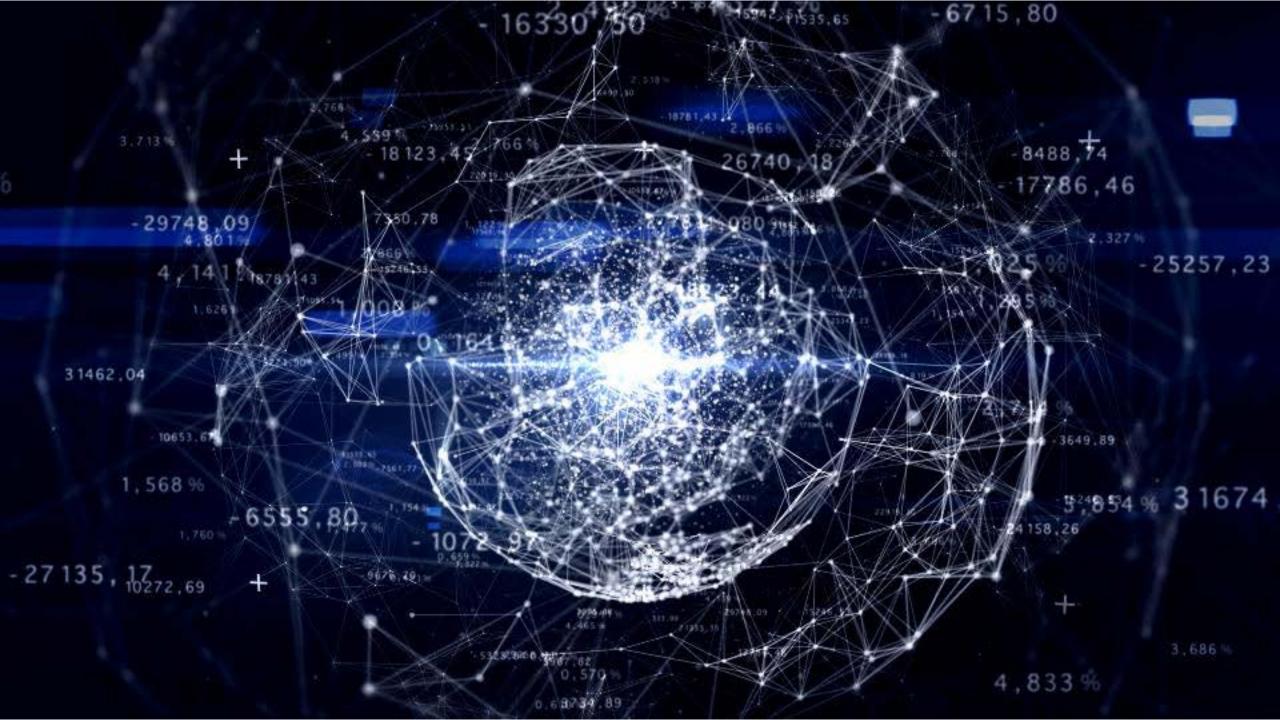


Remote Health Monitoring, Telemetry
Traumatic Brain Injury (TBI), Bench and Field
Experiments, Data Analysis and Findings















Creating a neural lace is the thing that really matters for humanity to achieve symbiosis with machines

1:08 AM - 4 Jun 2016





Long Neuralink piece coming out on @waitbutwhy in about a week. Difficult to dedicate the time, but existential risk is too high not to.

RETWEETS

LIKES

3,012

10,472

9:31 PM - 27 Mar 2017

"I have spoken of machines, but not only of machines having brains of brass and thews of iron. When human atoms are knit into an organization in which they are used, not in their full right as responsible human beings, but as cogs and levers and rods, it matters little that their raw material is flesh and blood. What is used as an element in a machine, is in fact an element in the machine. Whether we entrust our decisions to machines of metal, or to those of machines of flesh and blood which are bureaus and vast laboratories and armies and corporations, we shall never receive the right answers to our questions unless we ask the right questions.

of man **a** ends onsi tra machi



Isadore Jacob Gudak
Irving John Good
Jack Good

9 December 1916 5 April 2009

Born in London Polish/Russian Jewish immigrant parents

Photo courtesy of J.A.N. LEE





Hello, HAL. Do you read me, HAL?

Affirmative, Dave. I read you.

Open the pod bay doors, HAL.

I'm sorry, Dave.

I'm afraid I can't do that.



But have a happy birthday anyway, Dave.
Goodbye.





Who we are

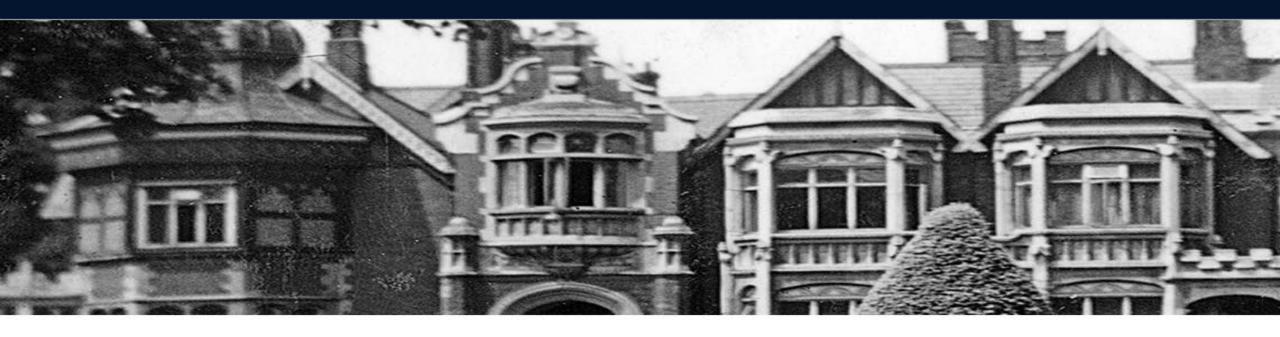
What we do

How we work

Press and Media

Careers

NCSC



Home > Our archives

Feature

Codes, chess and Kubrick: the life of Jack Good

Last Updated: 07 Dec 2016

Topics: Our people, Our history

A GCHQ senior mathematician celebrates the talent of Bletchley Park codebreaker Jack Good in the centenary of his birth



S

G

COMMUNICATIONS-ELECTRONICS SECURITY GROUP

Research Report No. 3007

THE POSSIBILITY OF SECURE
NON-SECRET ANALOGUE ENCRYPTION

voltage and it may well be possible for it to be made very difficult for an interceptor to do this even though it were relatively simple for him to obtain the voltage only. For example, in a light guide it might be virtually impossible to measure light flux (as opposed to brightness), and in a coaxial cable formed by sputtering a thin film on to an enamelled wire the current could only be measured by completely breaking the outer conductor.

REFERENCES

- J.H. Ellis
 The Possibility of Secure Non-Secret Digital Encryption CESG Research Report No. 3006, January 1970
- I.J. Good
 Probability and the Weighing of Evidence Charles Griffin & Co. Ltd., 1950
- Final Report on Project C43
 Bell Telephone Laboratory, October 1944, p.23



Isadore Jacob Gudak Irving John Good I. J. Good

WIRED

Technology

Culture

Business

Politics

The Ratio Club: a melting pot for British cybernetics







By OLIVIA SOLON

Thursday 21 June 2012

When Alan Turing was working at Manchester University, he was invited to join the Ratio Club, a dining club comprised of a mixture of biologists and engineers with an interest in cybernetics. There he was able to air and discuss new research and draw inspiration from an eclectic, yet extremely gifted group of individuals. Wired.co.uk examines the club and its influence on British science.



Harold Shipton. John Bates. W.E. Hick. John Pringle. Donald Sholl. John Westcott. Donald Mackay.

Giles Brindley. Tom McLardy. Ross Ashby. Thomas Gold. Albert Uttley.

Alan Turing. Gurney Sutton. William Rushton. George Dawson. Horace Barlow.

of man **a** ends onsi tra machi

Speculations Concerning the First Ultraintelligent Machine*

IRVING JOHN GOOD

Trinity College, Oxford, England and Atlas Computer Laboratory, Chilton, Berkshire, England

1.	Introduction .								
	Ultraintelligent Machines and Their	• •	•	•		•	•	•	31
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	Some Representations of "Meaning" Machines	ana	Their	Relev	ance	to Int	elliger	ıt	
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1. Introduction

The survival of man depends on the early construction of an ultraintelligent machine.

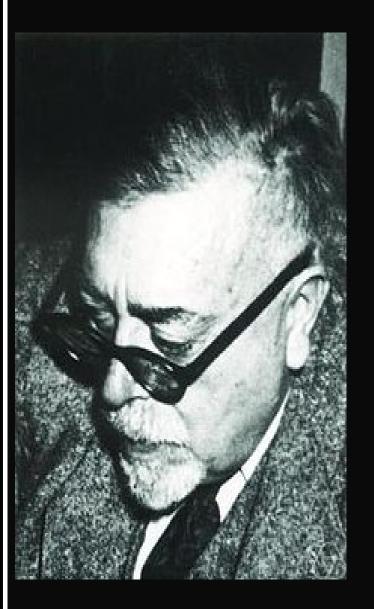
In order to design an ultraintelligent machine we need to understand more about the human brain or human thought or both. In the following pages an attempt is made to take more of the magic out of the brain by means of a "subassembly" theory, which is a modification of Hebb's famous speculative cell-assembly theory. My belief is that the first ultraintelligent machine is most likely to incorporate vast artificial neural circuitry, and that its behavior will be partly explicable in terms of the subassembly theory. Later machines will all be designed by ultra-

"The survival of man depends on the early construction of an ultra-intelligent machine.

In order to design an ultraintelligent machine we need to understand more about the human brain or human thought or both. In the following pages an attempt is made to take more of the magic out of the brain by means of a "subassembly" theory, which is a modification of Hebb's famous speculative cell-assembly theory. My belief is that the first ultraintelligent machine is most likely to incorporate vast artificial neural circuitry, and that its behavior will be partly explicable in terms of the subassembly theory. Later machines will all be designed by ultraintelligent machines, and who am I to guess what principles they will devise? But probably Man will construct the *deus ex* machina in his own image."

"THE FIRST ULTRAINTELIGENT MACHINE IS MOST LIKELY TO INCORPORATE VAST ARTIFICIAL NEURAL CIRCUITRY ... "

of man **a** ends onsi tra machi



We have decided to call the entire field of control and communication theory, whether in the machine or the animal, by the name Cybernetics, which we form from the Greek [for] steersman.

(Norbert Wiener)

ESSAI

SUB

LA PHILOSOPHIE DES SCIENCES,

OT

EXPOSITION ANALYTIQUE D'UNE CLASSIFICATION NATURELLE DE TOUTES LES CONNAISSANCES HUMAINES;

PAR

ANDRÉ-MARIE AMPÈRE,

De l'Académie royale des sciences, des Sociétés royales de Londres et d'Edimbourg, de la Société philomatique, de la Société helvétienne des scrutateurs de la nature, de la Société philosophique de Cambridge, de celle de Physique et d'histoire naturelle de Genève, de la Société Italienne, de l'Académie royale des sciences et belles-lettres de Bruxelles, de l'Académie royale de Lisbonne, des Académies de Lyon, de Modène, de Lille, Correspondant de l'Académie des sciences de Berlin et de l'Institut de Bologne, Membre de plusieurs autres Sociétés savantes, Chevalier de la légion-d'honueur, Inspecteur général des études, et Professeur au Collége de France.

PREMIÈRE PARTIE.

Paris,

BACHELIER, LIBRAIRE-ÉDITEUR.

QUAL DES AUGUSTINS, BS.

1838.

André-Marie Ampere (1775-1836)



"Classification of Human Knowledge in Synoptic Tables of the Sciences and Arts"

Three Sub Divisions of Science
Third Order

336

Politique Cybernétique

"The future science of government should be called 'cybernetics' ('la cybernetique')."

CYBERNETICS

CIRCULAR CAUSAL AND FEEDBACK MECHANISMS IN BIOLOGICAL AND SOCIAL SYSTEMS

TRANSACTIONS OF THE NINTH CONFERENCE MARCH 20 and 21, 1952

CONTENTS

The Position of Humor in Human Communication
The Place of Emotions in the Feedback Concept
Homeostasis

Discrimination and Learning in Octopus
Reduction of the Number of Possible Boolean Functions
Central Excitation and Inhibition

Mechanical Chess Player

Turbulence as Random Stimulation of Sense Organs

Investigations on Synaptic Transmission Feedback Mechanisms in Cellular Biology

Bellion:

HEINZ VON FOERSTER

Professor of Electrical Engineering University of Illinois

Association of California

MARGARIT MIAD

marine's Mayeurs of Natural History

HANS LUKAS TEUBER

Department of Psychistry and Steurings Stew York University College of Medicine

THE JOSIAH MACY, JR. FOUNDATION PRICE \$4.00

"CYBERNETICS: CIRCULAR CAUSAL AND FEEDBACK MECHANISMS IN BIOLOGICAL AND SOCIAL SYSTEMS"

1950

THE

HUMAN USE HUMAN BEINGS

NORBERT WIENER

Machines can do routine mental jobs better than any man. The untrained mind is a drug on the market. A leader of the new scientific revolution tells how and why.

Dr. Wiener has incorporated important new discoveries that have been made since the first edition of this book.

Wiener represents." THE OBSERVER

'Since the end of World War II, I have been working on the many ramifications of the theory of messages.

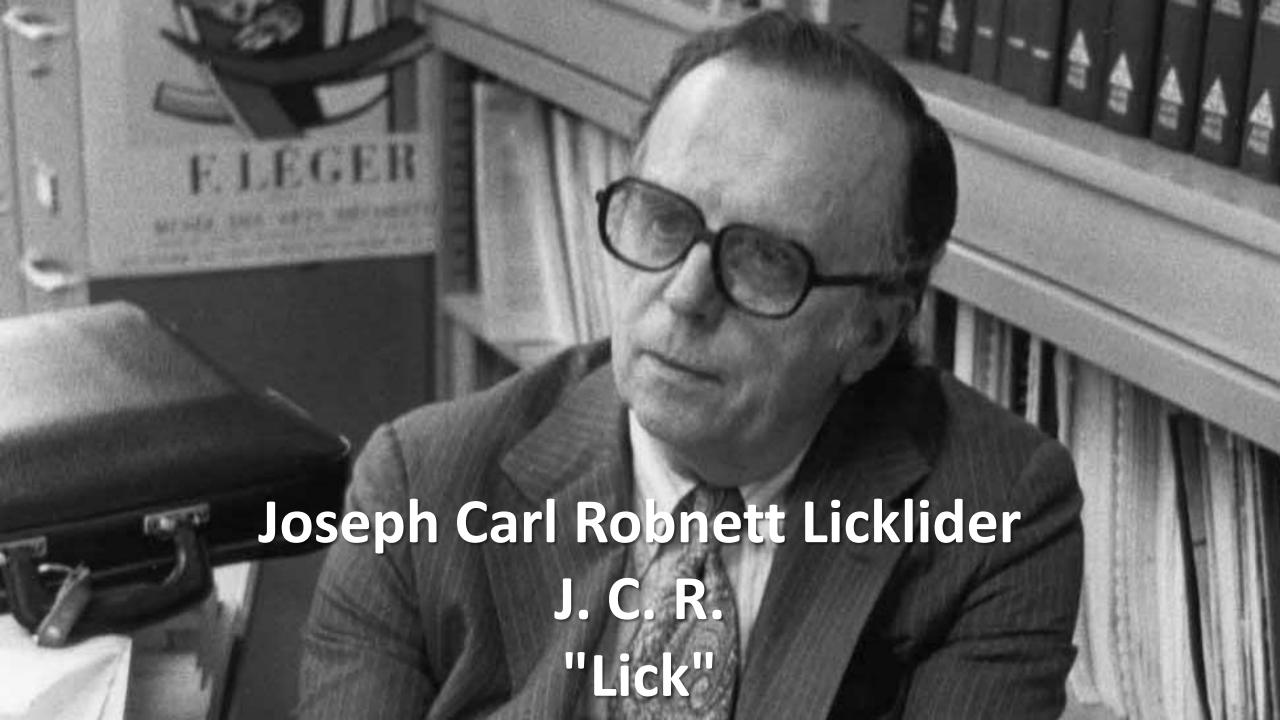
Besides the electrical engineering theory of the transmission of messages, there is a larger field which

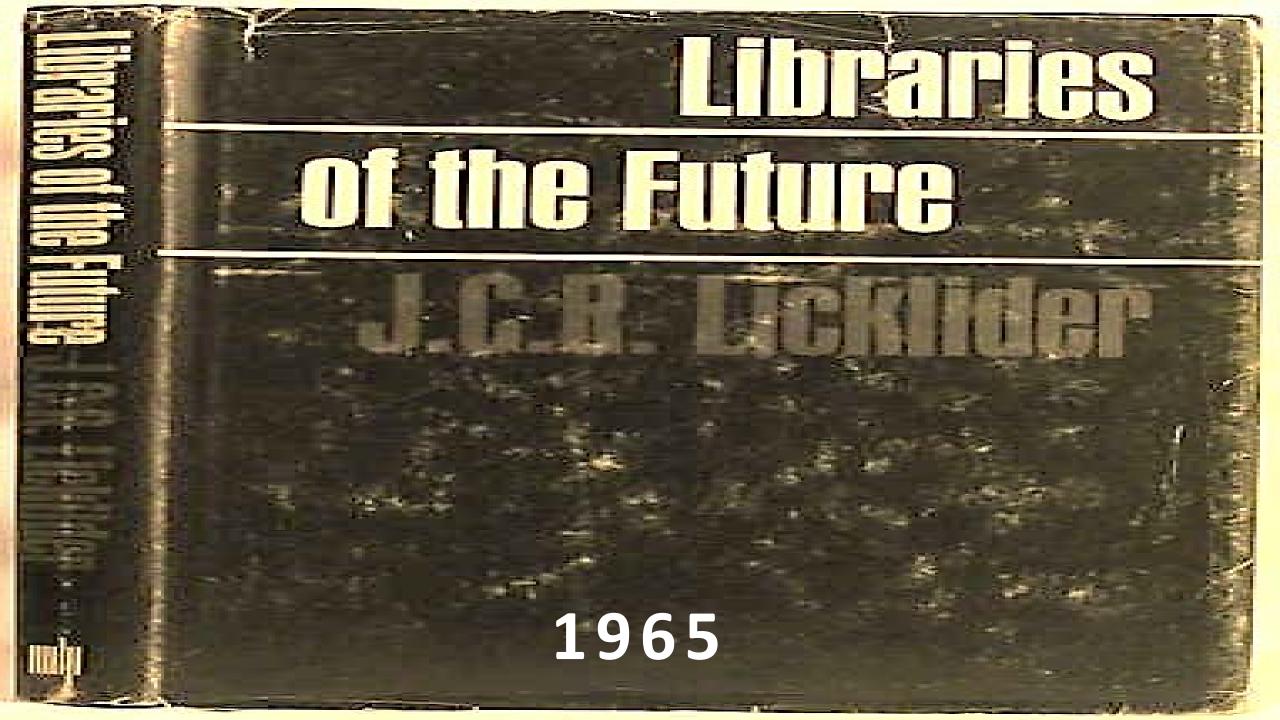
includes not only the study of language but

the study of messages as a means of controlling machinery and society,

the development of computing machines and other such automata, certain reflections upon psychology and the nervous system, and a tentative new theory of scientific method"

"It is the thesis of this book that society can only be understood through a study of the messages and communication facilities which belong to it; and that in the future development of these messages and communications facilities, messages between man and machines, between machines and man, and between machine and machine are destined to play an ever increasing part"





PART I MAN'S INTERACTION WITH RECORDED KNOWLEDGE

CHAPTER 4

- Man-Computer Interaction in Procognitive Systems
 - The Physical "Intermedium"
 - Man-Computer Interaction Languages
- Adaptive Self-Organization in Man-Computer Interaction

PART II

EXPLORATIONS IN THE USE OF COMPUTERS IN LIBRARY AND PROCOGNITIVE FUNCTIONS

"Let us return now to the problem of schemata from which to construct future systems to facilitate man's interaction with transformable information. As a shorter term for such systems, let us use "procognitive systems.""



We need to substitute for the book a device that will make it easy to transmit information without transporting material.

— J. C. R. Licklider —

AZ QUOTES

ADVANCED RESEARCH PROJECTS AGENCY

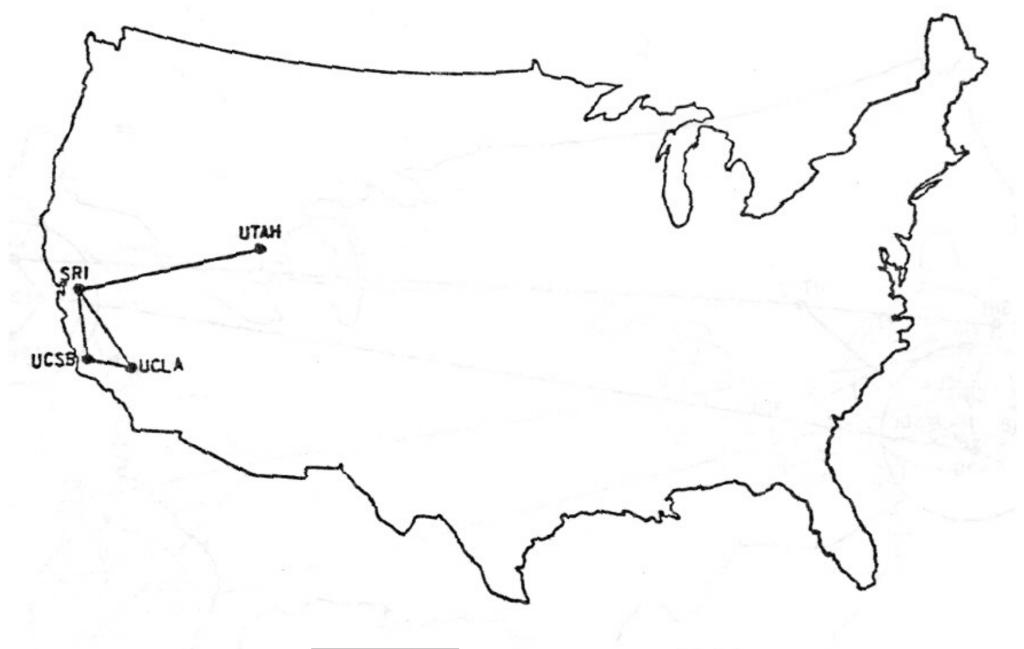
Washington 25, D.C. April 23, 1963

MEMORANDUM FOR: Members and Affiliates of the Intergalactic Computer Network

FROM: J. C. R. Licklider

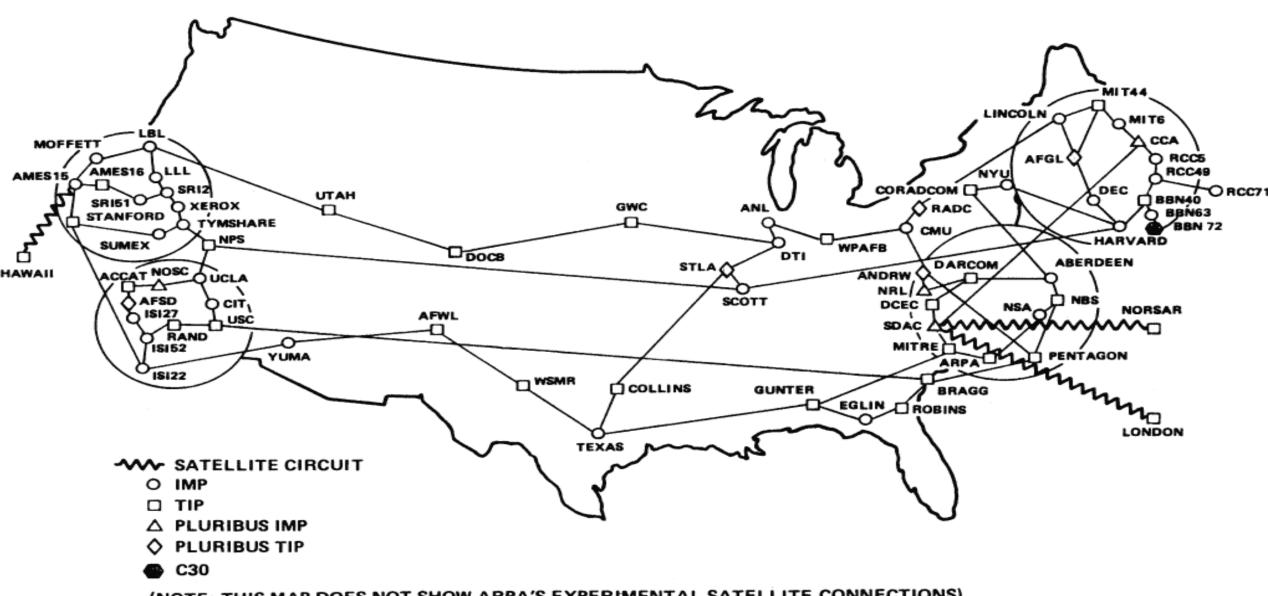
SUBJECT: Topics for Discussion at the Forthcoming Meeting

First, I apologize humbly for having to postpone the meeting scheduled for 3 May 1963 in Palo Alto. The ARPA Command & Control Research office has just been assigned a new task that must be activated immediately, and I must devote the whole of the coming week to it. The priority is externally enforced. I am extremely sorry to inconvenience those of you who have made plans for May 3rd. Inasmuch as I shall be in Cambridge the rest of this week, I am asking my colleagues here to re-schedule the meeting, with May 10th, Palo Alto, as target time and place.

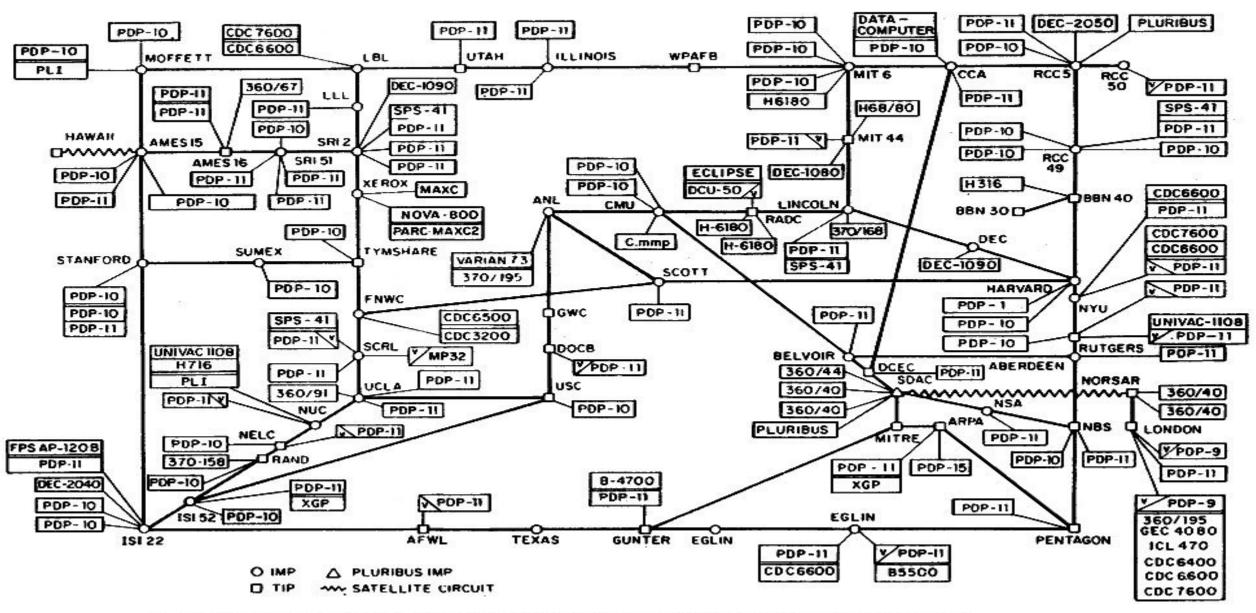


The in December 1969

GEOGRAPHIC MAP, OCTOBER 1980



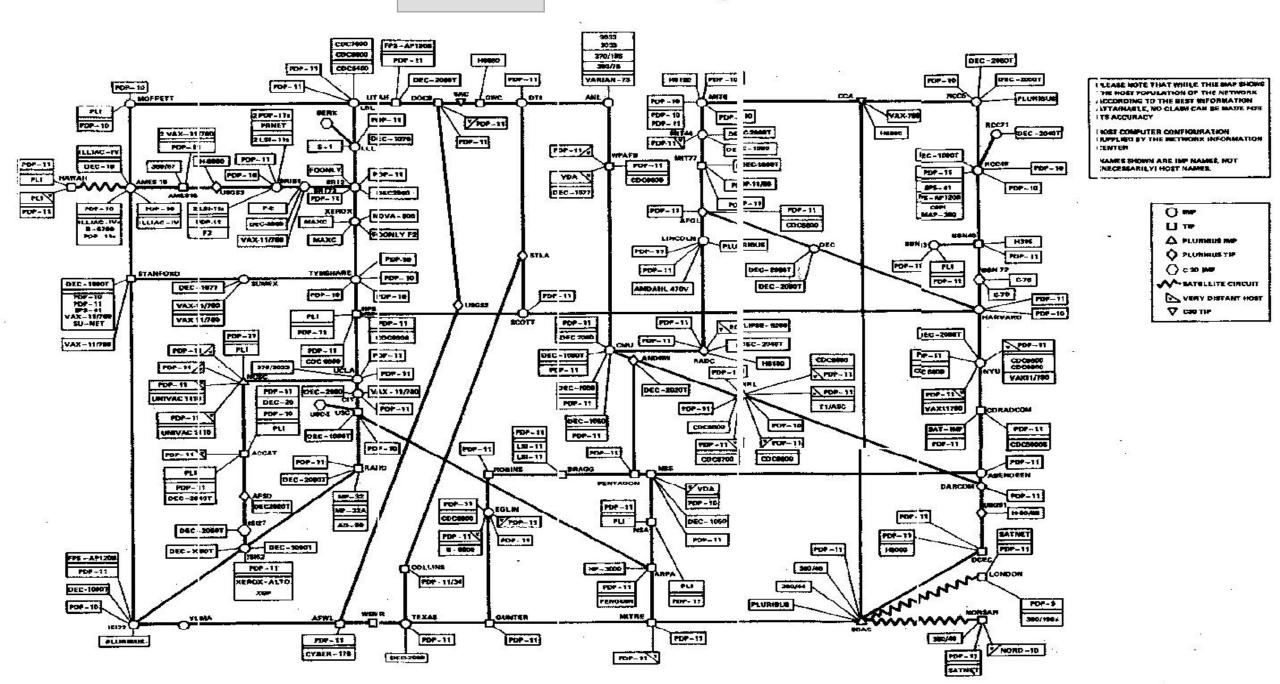
(NOTE: THIS MAP DOES NOT SHOW ARPA'S EXPERIMENTAL SATELLITE CONNECTIONS)
NAMES SHOWN ARE IMP NAMES, NOT (NECESSARILY) HOST NAMES

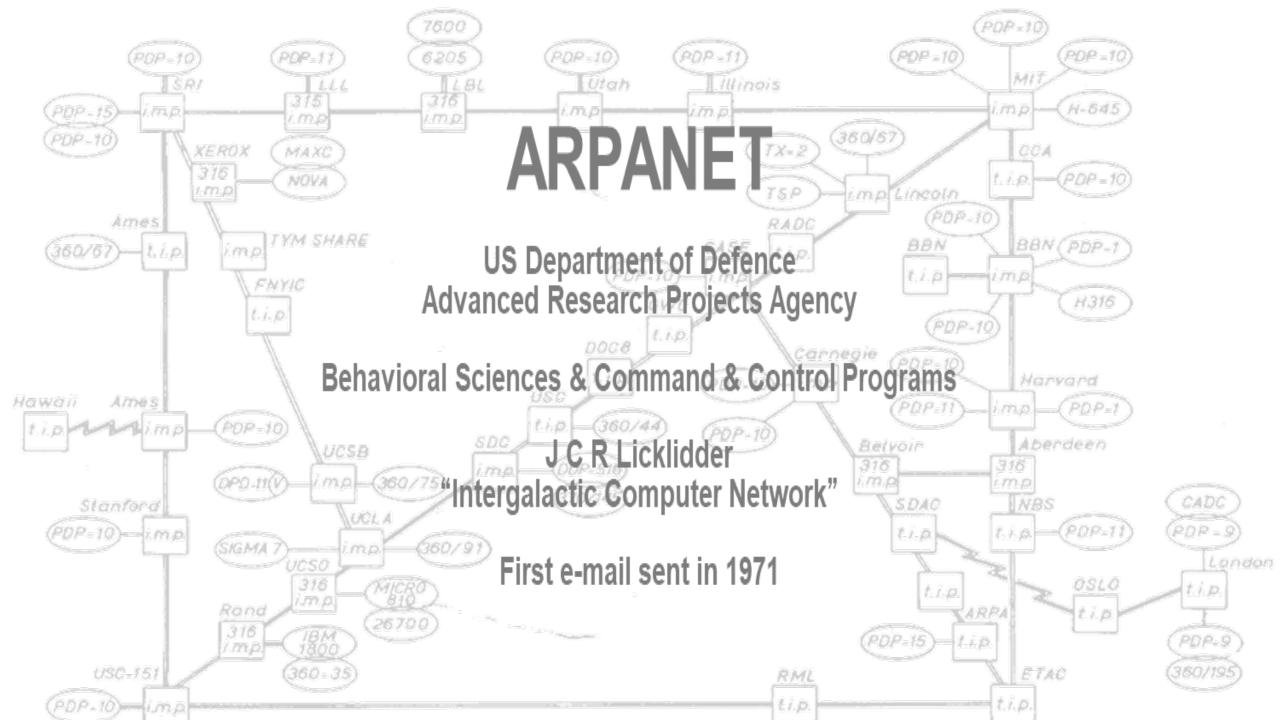


(PLEASE NOTE THAT WHILE THIS MAP SHOWS THE HOST POPULATION OF THE NETWORK ACCORDING TO THE BEST INFORMATION OBTAINABLE, NO CLAIM CAN BE MADE FOR ITS ACCURACY)

NAMES SHOWN ARE IMP NAMES, NOT INECESSARILY) HOST NAMES

LOGICAL MAP, JUNE 1981







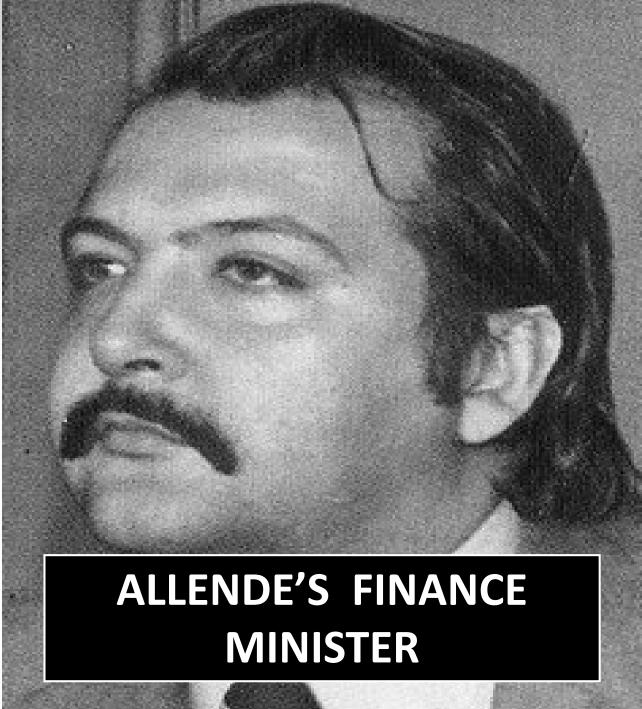
1983: The migration of the ARPANET to TCP/IP is officially completed (this is considered to be the beginning of the true internet).





RESTAURANT CURA NURIN VINA DEL MARICHILE INTI













Fernando Flores



Fernando Flores, 2009

Born January 9, 1943 (age 75)

Talca, Chile

Occupation Researcher, Stanford University

Philosophy professor, UC Berkeley

Founder, Hermenet

Founder, Logonet

Founder, Business Design Associates

Founder, Action Technologies

former Cabinet Minister, Chile

Senator, Chile

Founder, Pluralistic Networks

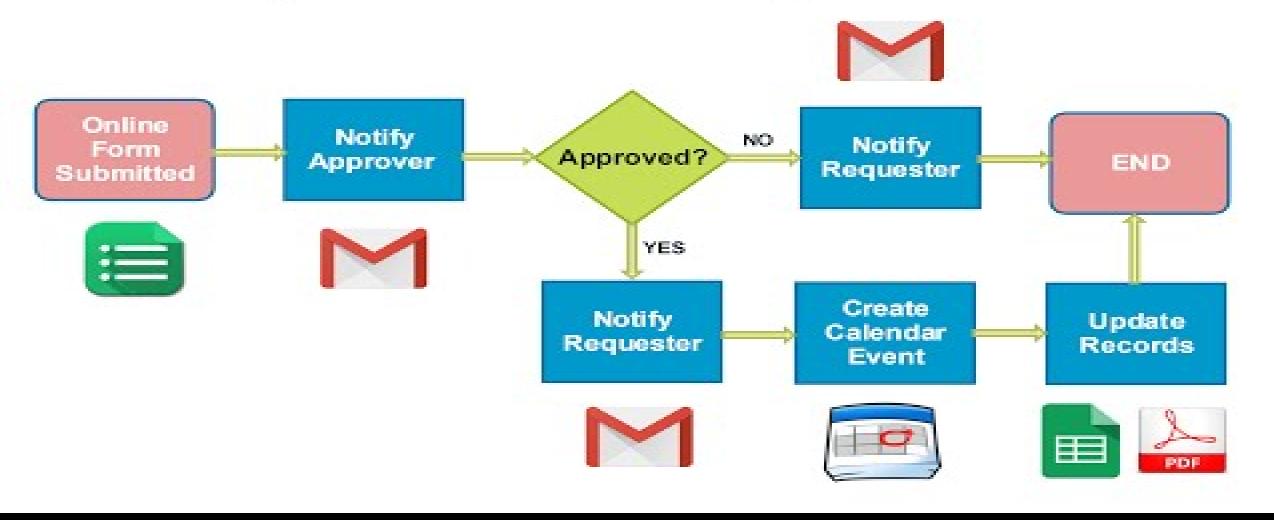
Website https://web.archive.org/web/20050507171410/http://www.fernandoflores.cl/ ☑

FROM PRISON TO A SOFTWARE FORTUNE

By June 8, 1987

(FORTUNE Magazine) – One computer program that helps people work together traces back to such disparate characters as Salvador Allende, Chile's late socialist president, and Werner Erhard, founder of est. These influences come together in a Chileanborn entrepreneur named Carlos Fernando Flores Labra, 44, whose company, Action Technologies, sells the Coordinator, one of the first of the new programs to reach the market. In his third year at Santiago's elite Catholic University, Flores married his childhood sweetheart, Gloria, and took an engineering job to support her and the first of their five children. Put in charge of engineers 20 years his senior, Flores worked days and studied at night, graduating at the top of his class in 1965. He had risen through a series of jobs by 1972 when Allende made the 29-year-old technocrat his economics minister, and later finance minister. Flores was captured when the army stormed the presidential palace on September 11, 1973. He was shipped to prison on Dawson Island, at Chile's desolate southernmost tip. "We didn't know if he was dead or alive for the next ten months," Gloria Flores recalls. Detained without charges for three years, Flores sat out his imprisonment studying books on science and philosophy. His reading kept bringing his thoughts back to computers, which fascinated him but left him frustrated that the flood of data they spew forth overwhelms effective decision-making. After pressure from Amnesty International helped secure his release in 1976, Flores spent a year as a research associate at Stanford. Impoverished but determined to carve out a new life in exile, he enrolled in a Ph.D. program at Berkeley that allowed him to pursue his eclectic interests in philosophy, linguistics, and computer science. The family supplemented his meager fellowship with income Gloria earned wrapping sandwiches for airline meals and after-school jobs his children held at a local Burger King. Flores met Erhard at a conference in 1979, and the two formed a partnership to offer workshops embodying the decision-making principles Flores had devised at Berkeley. Though the partnership was dissolved in 1985, an Erhard company has a 20% stake in privately held Action Technologies and a seat on the board. The software company and workshops have made Flores a wealthy man, with an estimated net worth of \$35 million to \$40 million.

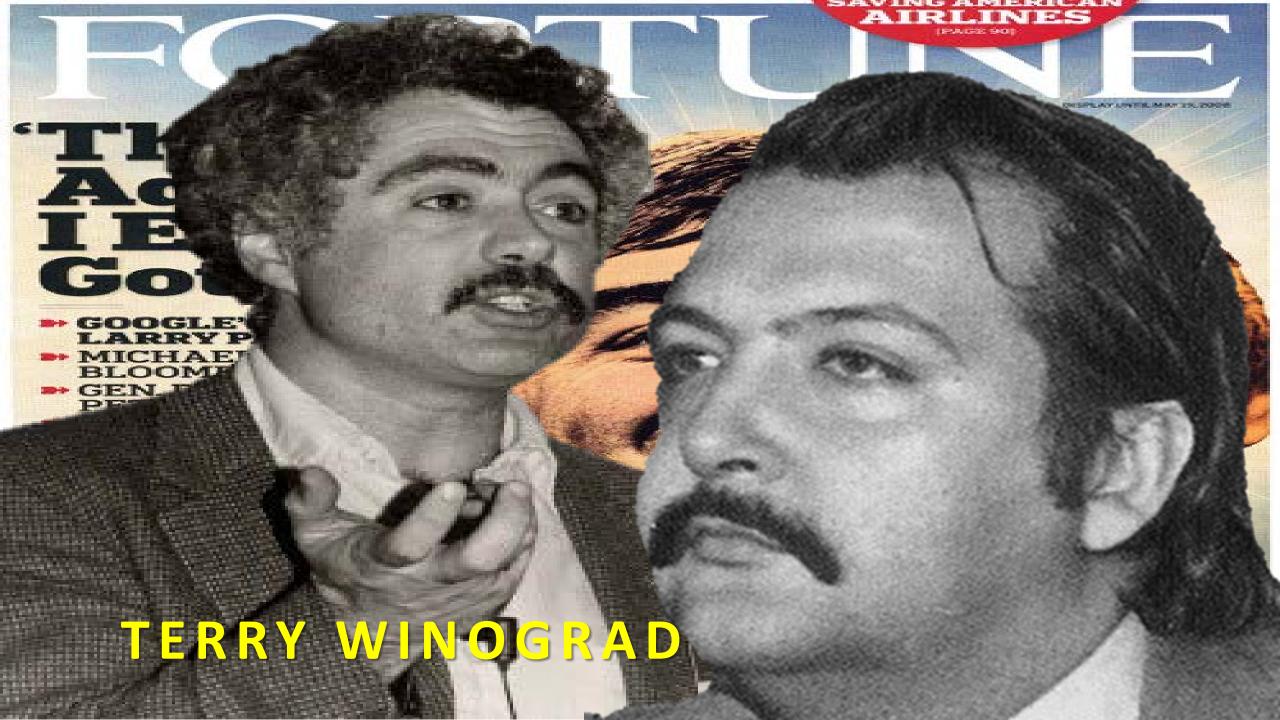
Approver Workflow with Google formMule





Ray Ozzie Chief Technical Officer Microsoft Corporation





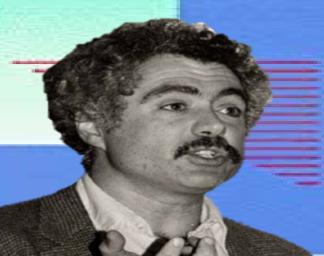
Understanding Computers and 1985 Cognition



TERRY WINOGRAD FERNANDO FLORES

This is a ground breaking book. It is about computers, artificial intelligence, language it is a deeply thought out work."

Joseph Weissenbaum, M.I.T.









PAGE WAS WINOGRAD'S

PHD STUDENT FROM

1995

TO

1998





BBC

"One of the most intriguing minds in the Villatern world." Windhington Post

JAMES BURKE'S

002Z 100Z 100Z 100Z

THE COMPLETE SERIES The science historian and futurologist explores the interlinking ideas and events that shaped today's

interlinking ideas and events that shaped today's technology

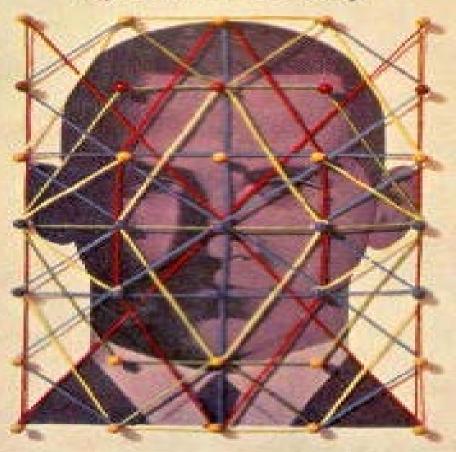






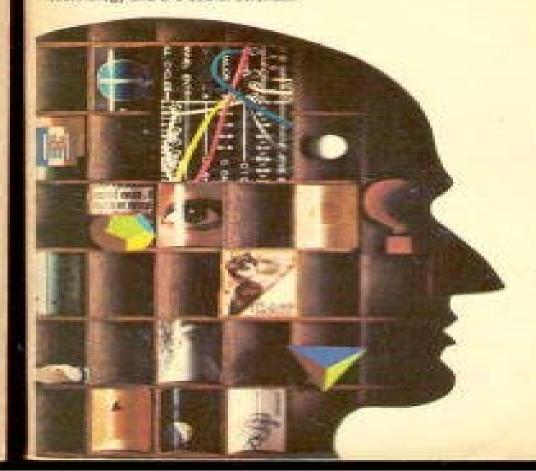
The single most important and influential work on man's role in an automated world.

Norbert Wiener The Human Use of Human Beings



THE HUMAN USE OF HUMAN BEINGS Cybernetics and Society By Norbert Wiener

The single most important and influential work on the relation between computer technology and the social sciences.



"I have spoken of machines, but not only of machines having brains of brass and thews of iron. When human atoms are knit into an organization in which they are used, not in their full right as responsible human beings, but as cogs and levers and rods, it matters little that their raw material is flesh and blood. What is used as an element in a machine, is in fact an element in the machine. Whether we entrust our decisions to machines of metal, or to those of machines of flesh and blood which are bureaus and vast laboratories and armies and corporations, we shall never receive the right answers to our questions unless we ask the right questions."

"The hour is very late, and the choice of good and evil knocks at our door"

The Victorian Belief That a Train Ride Could Cause Instant Insanity

"Railway madmen" were thought to be activated by the sounds and motion of train travel.

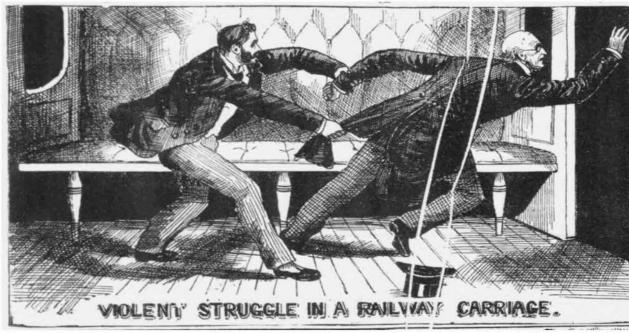
BY JOSEPH HAYES MAY 12, 2017











An illustration from the *Illustrated Police News*, Saturday 11 May 1889. ALL IMAGES: © THE BRITISH LIBRARY BOARD. ALL RIGHTS RESERVED/ COURTESY THE BRITISH NEWSPAPER ARCHIVE

DIME NOVELS ARE BLANIED IN COURT

West Norwalk Man Says Boy Read Too Many Tales and Told Too Many Stories.

BOYS ARE RUINFN

Dime Novels Cause Lads to Murder

DIME NOVELS TO BLAME

Two Lads Who Held Up Deputy Treasurer John I. Drew Read Lurid Books and Then Dramatize Them.









Home News Weird Will Large Hadron Collider destroy Earth? CERN admits experiments could create black holes

Will Large Hadron Collider destroy Earth? CERN admits experiments could create black holes

ONE way or another the huge Large Hadron Collider is going to "finish off the planet", according to conspiracy theorists.

MUST READ ARE 8 NEW 'SPECTRE-CLASS' FLAWS ABOUT TO BE EXPOSED? INTEL CONFIRMS IT'S READYING FIXES

IoT devices can be hacked in minutes, warn researchers

Security company ForeScout has warned that hackers can steal data or cause physical damage, thanks to certain types of inherently insecure connected devices.

















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News > The internet of things can be hacked – and the risks are growing every day

The internet of things can be hacked – and the risks are growing every day

By Nicholas Fearn February 12, 2017 World of tech

Mo' tech, mo' problems



















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09/02/2015 16:10 GMT | **Updated** 06/12/2017 22:20 GMT

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David MoyeThe Huffington Post





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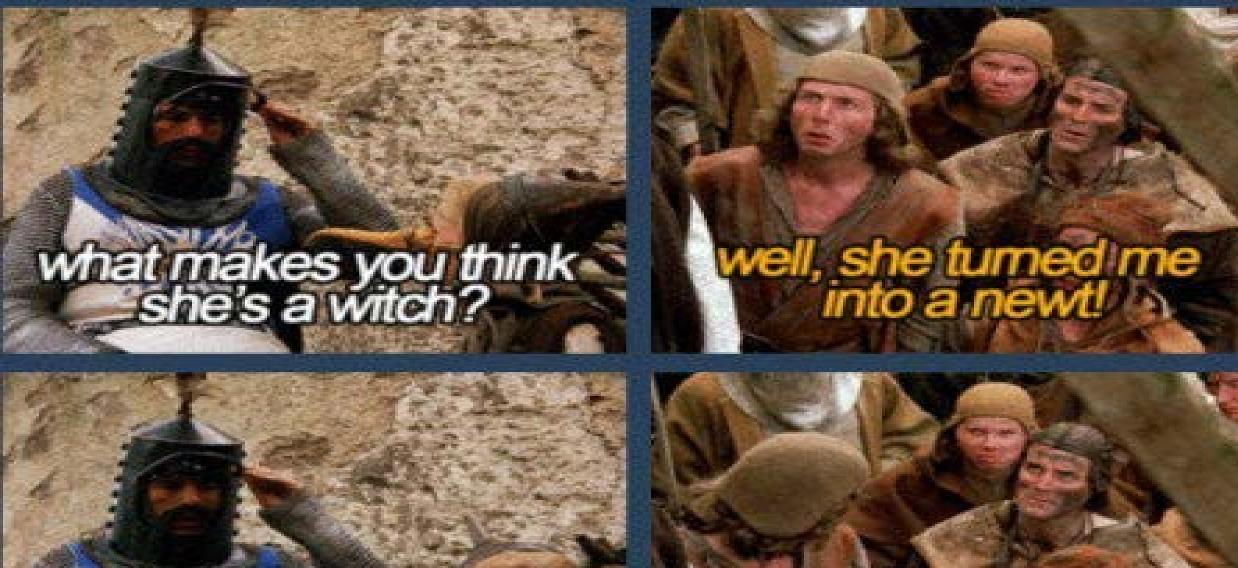
WORLD

Cayla, the connected doll, is a spy and must be destroyed

By Jana Kasperkevic April 14, 2017 | 7:59 PM









"If all the computers went on the blink, the country would be practically paralyzed: plants would shut down, finances would be thrown into chaos, most telephones would go dead, and the skies would be left virtually defenseless against enemy attack."

"Just out of its teens, the computer is beginning to affect the very fabric of society, kindling both wonder and widespread apprehension ... human society is surely headed for some deepreaching changes."

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VOL. 85 NO. 14

WEEKLY NEWSMAGAZINE



"Can man build a superman"

