



Why the Arts Need CyberSystemics and Vice-Versa, to Help Humankind Now

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OUTLINE

Working definitions of Art and of Cybersystemics

- o The NEEDS of ART today
- o How Cybersystemics can aid Arts
- o The needs of CYBERSYSTEMICS
- o How the Arts can aid Cybersystemics
- o The imperative needs of Humankind
- o COMING TOGETHER FOR ALL?

● ● ● | THE ARTS DEFINED - including advertainments

- The ARTS are activities producing and performing viral information which aesthetically seduces persons into remembering it, and re-creating and propagating it indefinitely.
- IMPORTANT ART surprises people into new (to them) ways of seeing and new options for on-going action.



- ● ● | **ARTS** versus other activities:
science, technology, war etc.

- So Mathematics and sciences and the Martial arts as well as drawing sculpting, composing and performing Operas, advertising etc. are among the Arts, but only when they are aesthetically seductive, memorable advertisements for themselves, which also open new doorways of perception to delight and inspire new endeavours.

- ● ● | Vienna's Splendid
Gebäude > CITY HEATING



System

● ● ● | WHAT DO THE ARTS NEED
TO BE BENEFICIAL TO SOCIETY

X ○ ARTS NEED SCIENTIFICALLY SOUND IDEAS
& COHERENT ALTERNATIVE VISIONS

○ ARTS NEED SCHOOLED AUDIENCES

X ○ ARTS NEED SERIOUS, TIMELY WELL-
GROUNDING, FORMATIVE CRITICISM

e.g. WWW.roverarts.com

○ ARTS NEED: SPACES, TOOLS & MEDIA

○ ARTS NEED CREATORS & PERFORMERS

○ ARTS NEED PRODUCER-ENTREPRENEURS

○ ARTS NEED TRADITIONS, OH AND MONEY!



Cybersystemics is the science of complex steering-systems, which are all biological, or are artefacts made by biological-social beings.

- o Cybersystemics is Science only when it is making explanatory predictive causal models of existing living or artefactual systems, and it is a Technology when it is creating and developing new practical empowering steering-systems.

• • •
 Unintended
 (P.V.P.T.)



● ● ● | HOW CYBERSYSTEMICS CAN CONTRIBUTE to Arts

○ Ideas and Visions- of what might be possible and what is needed and how it might be accomplished

○ Groundings for criticism

○ Spaces tools and media systems

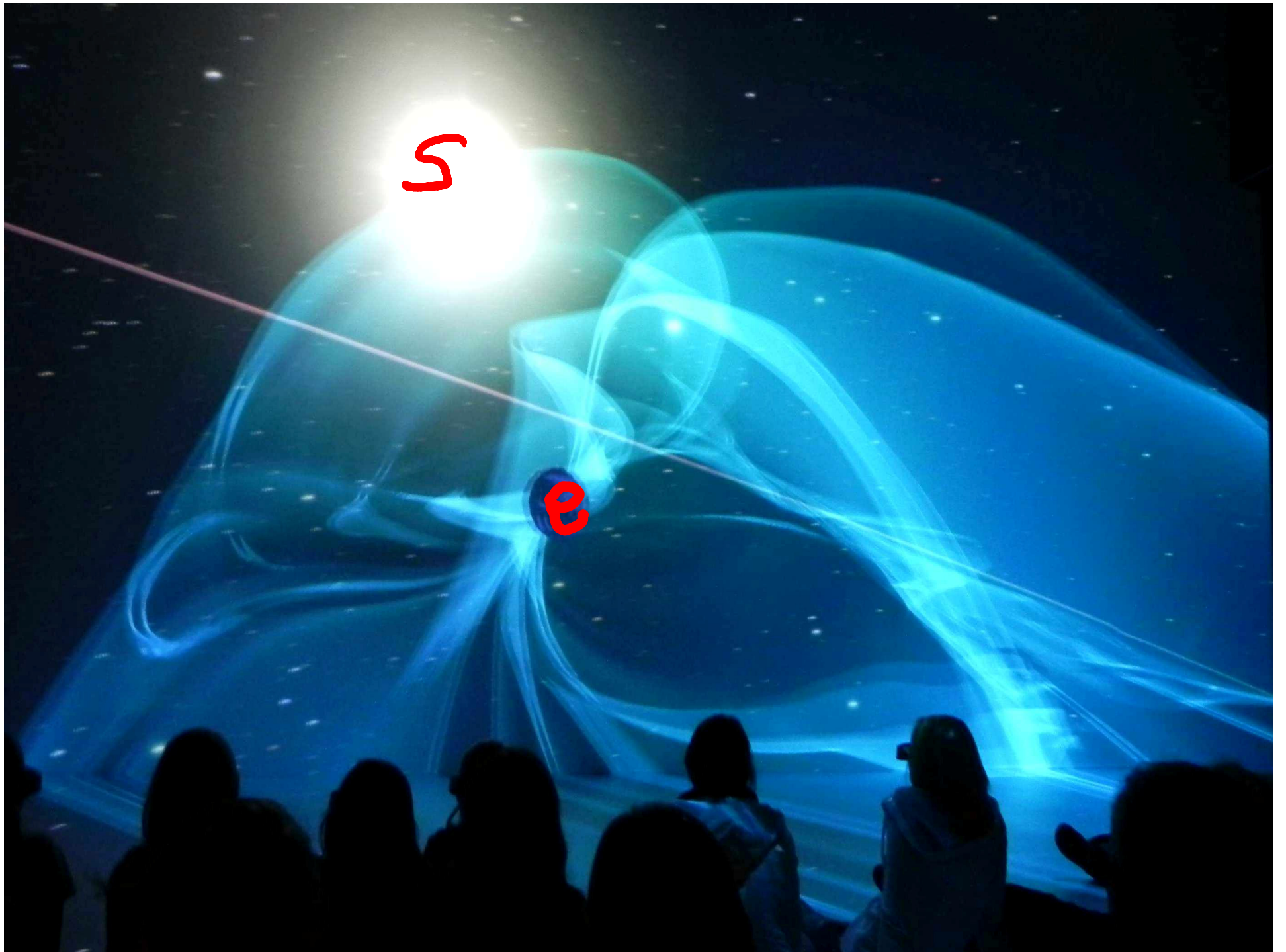
○ Interactive systems for educating:-
audiences & for educating creators,
performers and producers.

Delight fully



Artists' use of the EQUATIONS FOR THE
VAN ALLEN BELTS & THE EARTH'S
Magnetosphere particle flows:

- o Maxwell's equations
- o And the Continuity-DIFFUSION Equation
- o And some "boundary conditions" and some stereo geometry software.
- o AND VOILA: Marvellous dynamic Art
- o (That's a comet streaking across from Upper Left to Lower Right)
- o The audience is sitting on the floor of the 4D Ars Elektronica projection space in Linz.



● ● ● | *How the Arts contribute to
Cybersystemic Science*

○ INSPIRATIONS

○ HEURISTICS, PARDOXes, HUMOUR!

○ RECRUITMENT

○ PERSISTENCE

○ COMMUNAL COHESION - esprit de corps.

○ PLEASURE

○ (eg. Cybernetics and Human knowing)



"It's all new, but it doesn't do anything."



The New Yorker

The Imperatives of Humankind



Our universal evolved-in
Oughts That Are :-

o 1. Biological identity (genetic, cytosomic, phenotypic) survival and reproduction - children with my red hair and green eyes - forever! (selfish genes).

~~o~~ 2. Cultural identity survival conjugation propagation and re-creation - children and neighbours who speak something like Shakespeare's English and my God's beautiful truth- forever! (selfish memes).

● ● ● | NEEDS for good NOW'S
AND good FOREVERS



- 1. AVAILABLE ENERGY & geophysichemical RESOURCES
- 2. REQUISITE CONTROL VARIETY AT ALL OF OUR EMERGENT LEVELS OF HUMAN BEING - including:
- 3. REQUISITE COMMUNICATIVE STANDARDIZATION FOR WISE CONCERTED ACTION (Babelfish).



REAL URGENCY NOW ?

- ~~o~~ CLIMATE CHANGE
- ~~o~~ POPULATION OVERSHOOT
- ~~o~~ THE GLOBAL CRIMEPETITIVE CORPOCRACY
- o DEMORALISATION & ALIENATION & ANGER OF "SURPLUS" YOUTH
- o COSTS OF DESPAIRING AGEING POPULATIONS AMUSING THEMSELVES TO DEATH





BOTH ARTS & CYBERSYSTEMICS
COMING TOGETHER AS OUR NEW
EUDAEMONIC EARTHLY
IMMORTABILITY TECHNOLOGY:
SYMVIABILITY !

ASK
o LET'S JUST DO IT; YES WE CAN !