

Panel on Informatics Education

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Joint ACM-E and IE White Paper (2018)

Informatics for All The strategy

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Two-tier
strategy



Two-tier strategy:

Informatics

- as subject (specialisation)
- in all subjects (integration)

[at all educational levels]

Some challenges

Specialisation: "Import" of more and more diverse students

- How can we recruit more students to Informatics – e.g. students who are already set on a humanities path?
- How can we improve diversity among Informatics students to better reflect the entire population (gender, ethnicity, ...)?

Integration: "Export" of elements of Informatics

- Which elements of Informatics should be integrated in other study programmes, particularly in the humanities, but also in the social sciences (law, economy, ...)?

C.P. Snow (1905-1980)

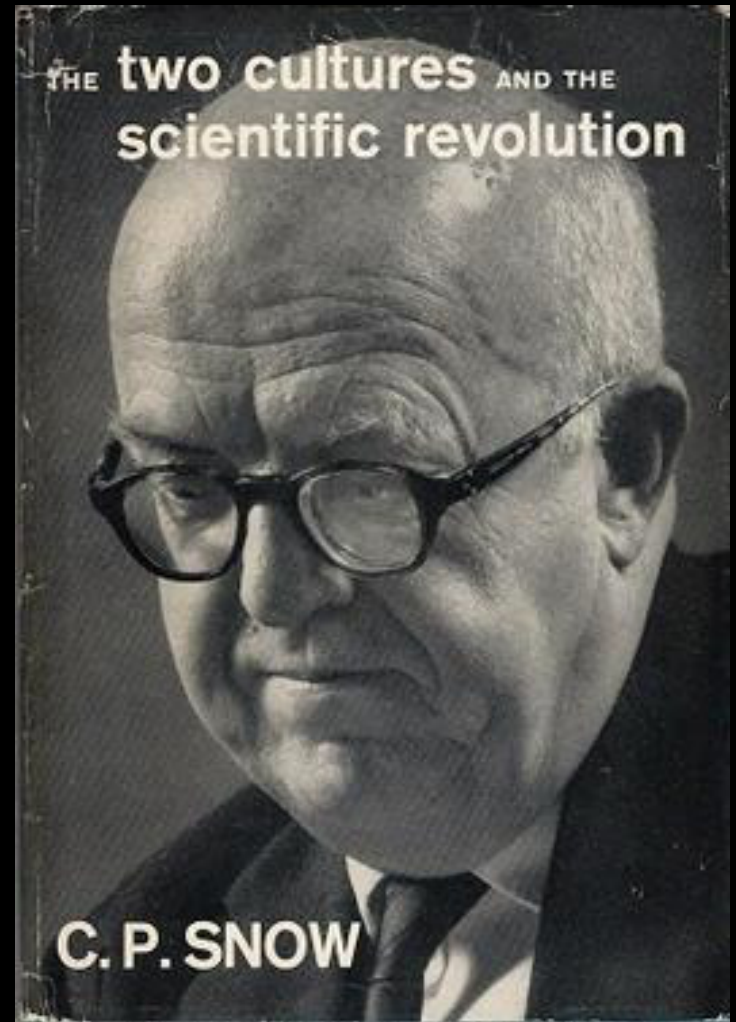
Article in New Statesman from 1956

Lecture at Cambridge University in 1959

Published as a book in 1961

*Those who don't understand algorithms,
can't understand how decisions are made.*

*A handful of people,
having no relation to the will of society, having
no communication
with the rest of society,
will be taking decisions in secret
which are going to affect our lives
in the deepest sense.*



Discussion of the split between
science and the humanities;
the split doesn't contribute to
solutions to the problems of the world

How the Enlightenment Ends

Philosophically, intellectually—in every way—human society is unprepared for the rise of artificial intelligence.

HENRY A. KISSINGER JUNE 2018 ISSUE



The Enlightenment started with essentially philosophical insights spread by a new technology. Our period is moving in the opposite direction. It has generated a potentially dominating technology in search of a guiding philosophy. Other countries have made AI a major national project. The United States has not yet, as a nation, systematically explored its full scope, studied its implications, or begun the process of ultimate learning. This should be given a high national priority, above all, from the point of view of relating AI to humanistic traditions.

Schedule

Initial statements

- Georgi Dimitrov (talk: EU Perspectives on Digital Education)
- Hilde G. Corneliusen
- Gianfranco Basti

Reactions from all three panellists

Open discussion, panellists/auditorium