1. Logic at the end of the 20th century

Success: concepts
insights

Failures: practical applications
cultural penetration

2. Information and Cognition: the context

- the general trend in academia and society
- convergences between disciplines:
  logic, linguistics, computer science, psychology
- Great Challenges: empirical/theoretical: e.g.,
  efficiency of cognition
  laws of information

Interaction: academia/society: useful

1. The achievements of logic

- meaning, reasoning, computing
  after World War II:
  only “fine-structure” of the Great Discoveries?
  Or also genuinely new themes: e.g. complexity
  Influence via: concepts, theorems, methods

- convergences
  logic and computer science: computance
  logic and linguistics: meaning
  logic and AI: reasoning

  still continuing?

- new definition for the field?
  fundamental study of information structures and the
  processes that modify them

- historical point: the agenda of logic has always been subject to change

1. **New things that I would like to see:**

- write a different history of 2Oth century logic bringing out the deeper trends (information, dynamics) rather than the accidental features of the agenda

- change our research atmosphere from "reflective" to "pro-active" (experiment, change the world)

- cross barriers much more radically, e.g. towards psychology and biology

- teach differently, e.g. looking for
  different "talent types" = use of logic
  theorem provers, philosophers – modellers, programmers

- write new textbooks along (these) different lines emphasising our "base contribution" to general intellectual culture

- be much more active in general culture