· **method** – knowing what one is doing – necessary for human act

specialist in large-scale, long-term scientific enterprise

what can we do now, as contribution to what, by what steps.

in what resources, means, techniques,

in what results, in sc., in scientific community [how when to present it]

essentially reflexive not about objects immediately electrons atoms cells plants animals

but about sc. operations

not only logical operations | positing & defining terms
positing & defining propositions
formulation [means, mode of procedure] limitation theorem
ideal constructs

but also 1° questions, problems, lining up of probs (problematic)

2° heuristic structures [generalization of notions]
3° normalizing simplification, description, comparison, ~~[illegible]~~ verification
4° working hypotheses, deduction,

5° constructs, systems, succession of systems

6° know-how

learned as an art c.f. procedure of understanding – habitus of sc. community

precept & example

reading, lectures, observatory

[working science – learning sc. –

justified by its fruits

cannot be grounded in an empirical sc. 1st. explained: what exactly happens: why it works: limitations

limited to what settled by known data

method grounded in data of consciousness – transcendental method
or
introspection, self-collection methods

needs to CS, hist. sc., phil

built-in autonomy = built-in headlessness

improvements to extrinsicist philosophy

α extrinsicist philosophy treats of objects

β sc. knows more about the objects, + does not claim to be last knowledge, provisional
empirical system not by calling off head – try heart

γ philosophy has to formulate via method, to do so it must be methodical
= solve "critical" problem