

First perspective on the science and society: the social structure of scientific work

Stories of female pioneers in science highlight:

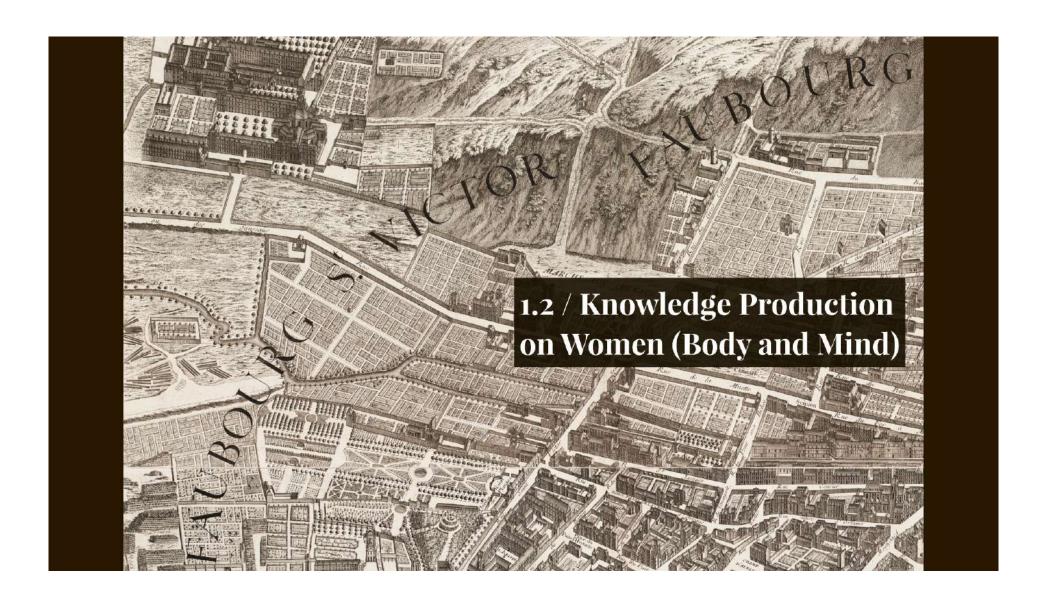
- the predominance of tacit (social, cultural or moral) rules versus the formal regulation of gender roles;
- a non-linear, non-progressive evolution of women's acceptance or recognition of their contributions.
- → humanities and social sciences have to adapt their methodology in order to make women's role visible

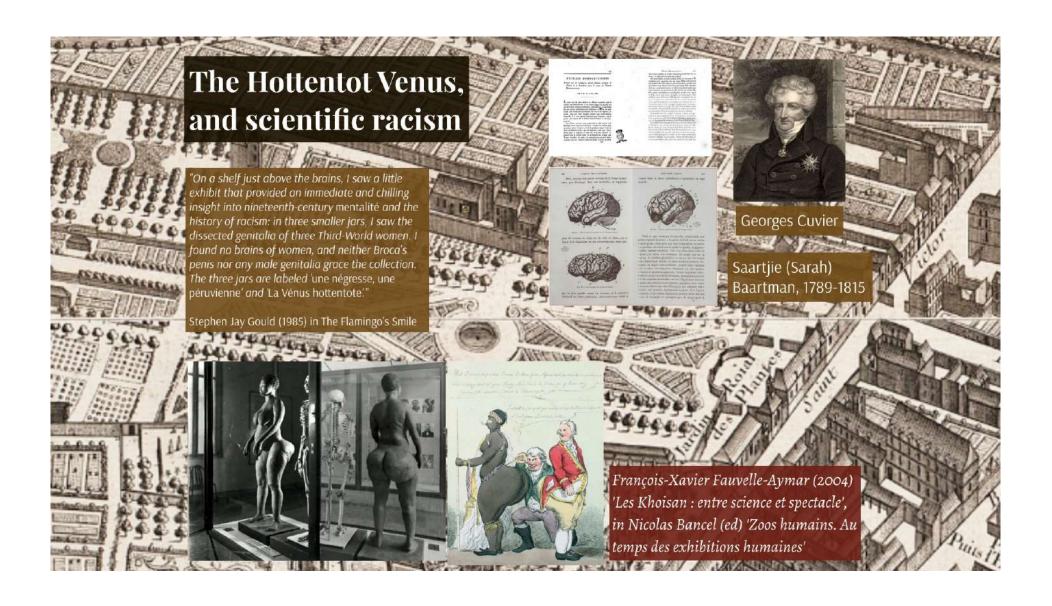
'Many studies focus on women who have a claim to greatness or whose activities put them at the center of major historical events [...] Career-based identities historically privilege a male subject, rarely taking into account the often circuitous and discontinuous nature of women's working lives or the social pressures placed upon women to privilege nonprofessional categories in constructing their identities.' (Mar Hicks)

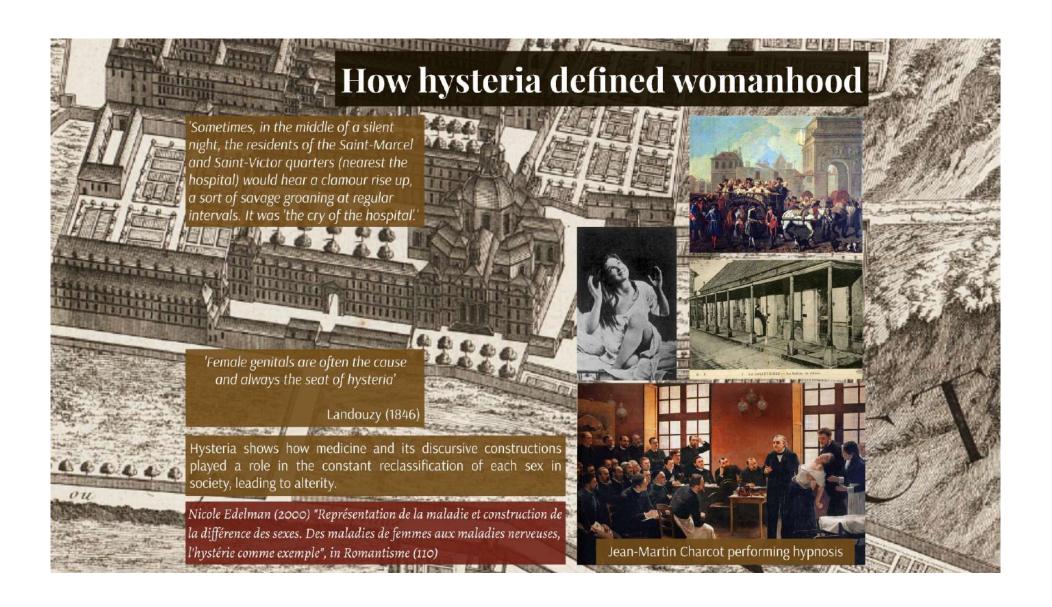
Mar Hicks (2017) Programmed Inequality: How Britain Discarded Women Technologists and Lost Its Edge in Computing (MIT Press)

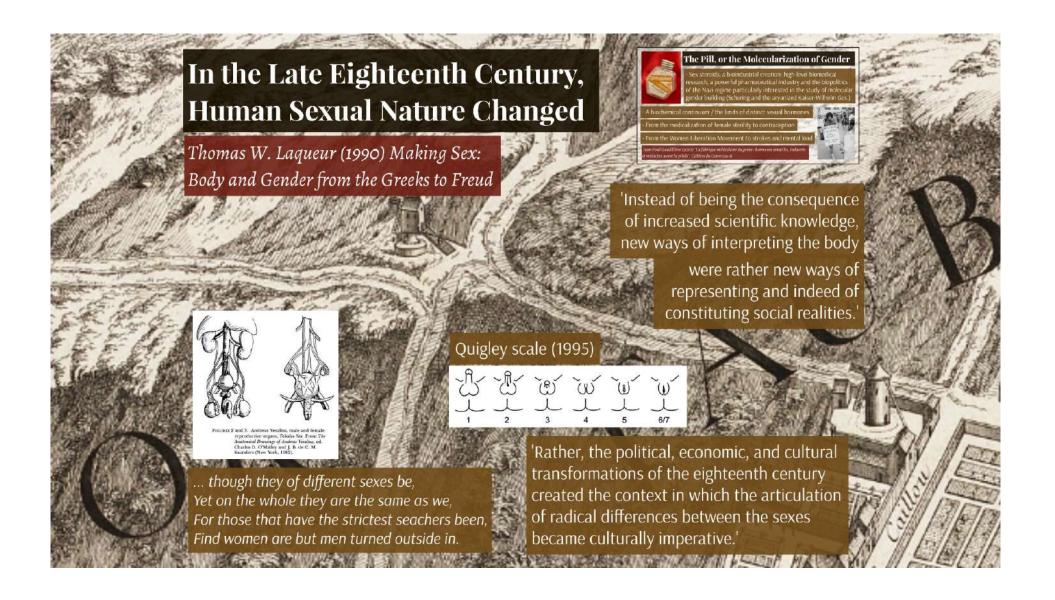












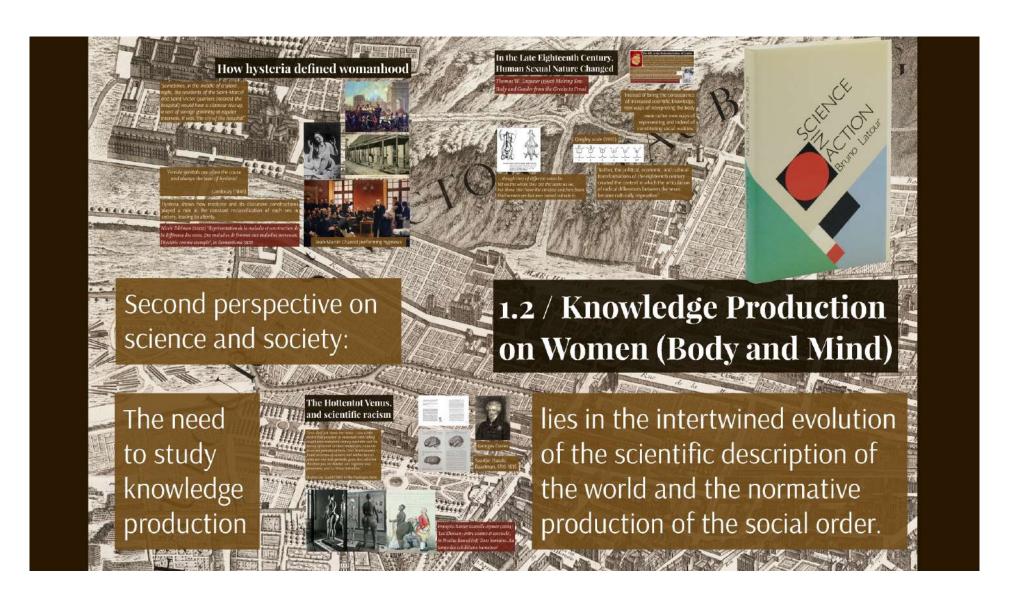


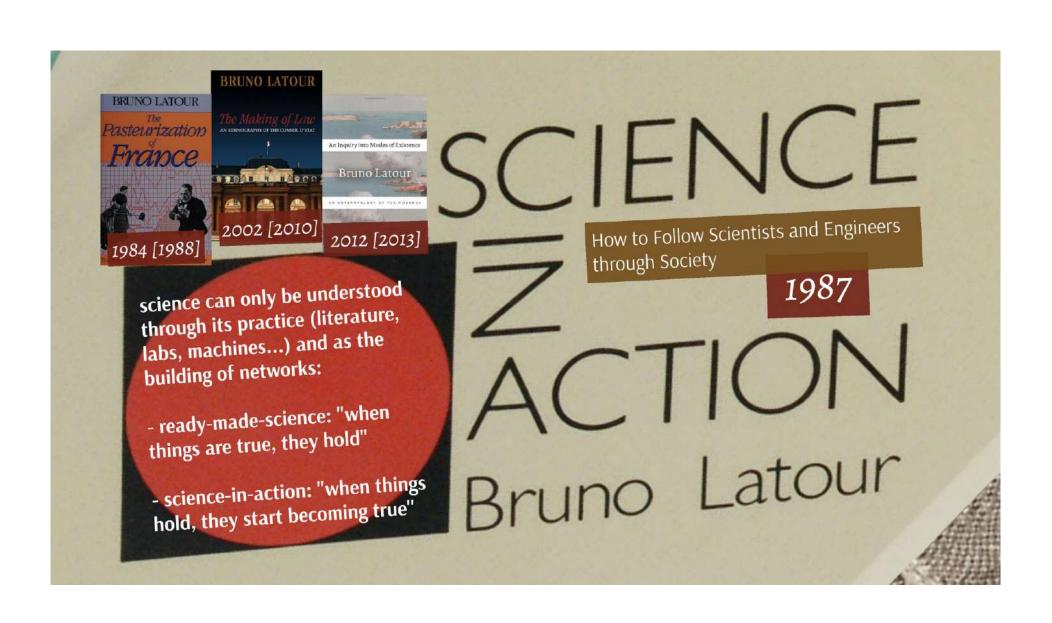
The Pill, or the Molecularization of Gender

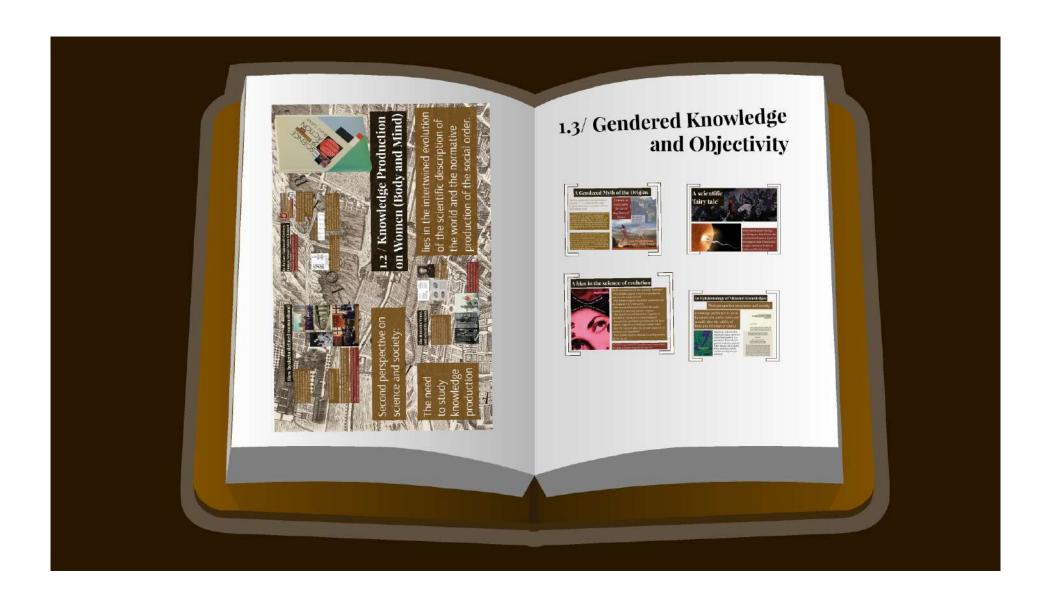
- Sex steroids, a bioindustrial creation: high-level biomedical research, a powerful pharmaceutical industry and the biopolitics of the Nazi regime particularly interested in the study of molecular gender building (Schering and the aryanized Kaiser-Wilhelm Ges.)
- A biochemical continuum / the limits of distinct sexual hormones
- From the medicalization of female sterility to contraception
- From the Women Liberation Movement to strokes and mental load

Jean-Paul Gaudillière (2003) "La fabrique moléculaire du genre : hormones sexuelles, industrie et médecine avant la pilule", Cahiers du Genre (34-1)







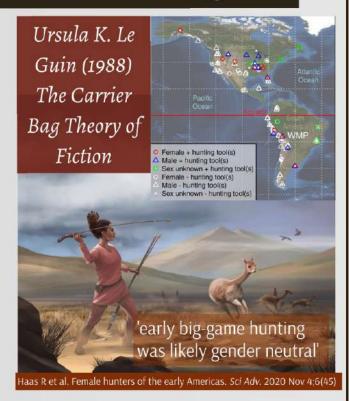


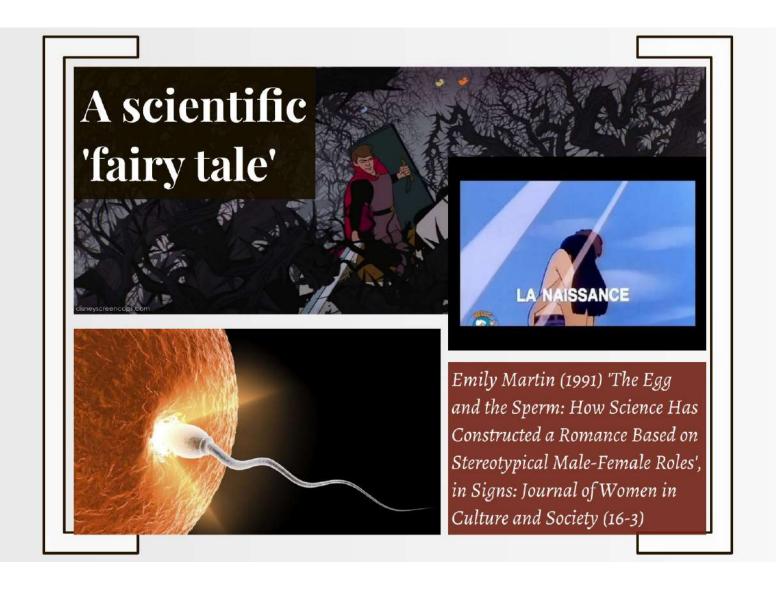
A Gendered Myth of the Origins

'The first cultural device was probably a recipient. [...] It is hard to tell a really gripping tale of how I wrestled a wild-oat seed from its husk'

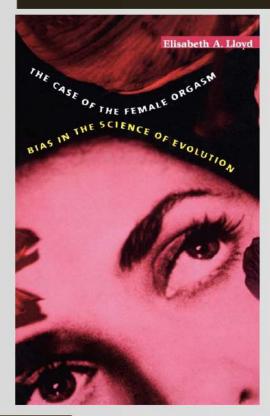
So long as culture was explained as originating from and elaborating upon the use of long, hard objects for sticking, bashing, and killing, I never thought that I had, or wanted, any particular share in it. The society, the civilization they were talking about, these theoreticians, was evidently theirs; they owned it, they liked it; they were human, fully human, bashing, sticking, thrusting, killing, [...]

If it is a human thing to do to put something you want, because it's useful, edible, or beautiful, into a bag, or a basket, or a bit of rolled bark or leaf, or a net woven of your own hair, or what have you, and then take it home with you, home being another, larger kind of pouch or bag, a container for people, [...] — if to do that is human, if that's what it takes, then I am a human being after all. Fully, freely, gladly, for the first time.





A bias in the science of evolution



faulty assumptions in the scientific literature:

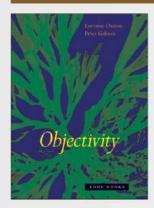
- that female orgasm is tied to reproductive success [an adaptionism]
- that female orgasm should be examined only as it appears w/intercourse
- that sexual intercourse evokes the same response in men and women, orgasm
- that female sexual interest or response is dictated by hormones in early hominids
- that female nonhuman primates do not have orgasm [orgasm is a uniquely human trait]
- that the natural place for female orgasm is in heterosexual copulation
- that female orgasm induces a sucking motion of the uterus

Elisabeth A. Lloyd (2006), The Case of the Female Orgasm, Bias in the Science of Evolution. Harvard University Press

An Epistemology of Situated Knowledges

Third perspective on science and society:

Knowledge production is social by nature and purity claims can actually alter the validity of facts and the value of science



Objectivity understood as impartiality and a "view from above, from nowhere" is a perspective that under the guise of neutrality, may hide many cultural, social biases. It has an history and the 'mechanical' objectivity is outdated.

SITUATED KNOWLEDGES: THE SCIENCE QUESTION IN FEMINISM AND THE PRIVILEGE OF PARTIAL PERSPECTIVE

DONNA HARAWAY

Academic and activist feminist inquiry has repeatedly tried to come to terms with the question of what we might mean by the curious and inescapable term 'objectivity'. We have used a lot of toxic ink and trees processed into paper decrying what they have meant and how it hurts us. The imagined they' constitute a kind

Objectivity or Heroism? On the Invisibility of Women in Science

Naomi Oreske

OBJECTIVITY AND WOMEN IN SCIENCE

Of course, it is occasionally necessary to make experiments which one knows are dangerous, for example, in determining how a disease is transmitted. A number of people have ided his way and that one monthly have a second to be a second to be a second to the second to be a sec

CENTRAL THEME of Margaret Rossiter's prosecting work on women scientists in America is that the false mythology of science as an almost exclusively male preserve has been made possible by the rear invisibility of women scientists. Women have been present in American science throughout the inteteenth and twenthet centrals, but their contributions have been placed in the background rather than the foreground of scientific innevation and discovery. The invisibility of women's contributions is a membed with the question of why some lands of scientific to understand and evaluate women's contributions in the context of the option of the scientific chapter of the present of the context of the option of the foliation o

