

Science as an open enterprise

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THE
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SOCIETY



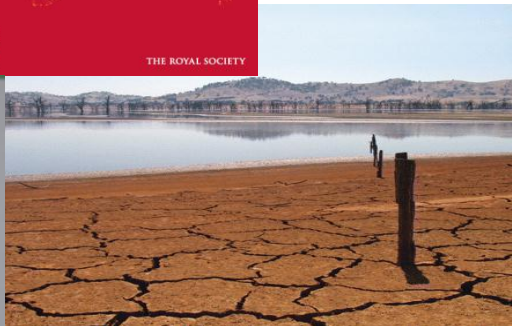
Introduction to the Royal Society

- Fellowship of the world's most eminent scientists - 1,450 in total
- UK Academy of Science
- Founded in 1660
- Mission: to recognise, promote, and support excellence in science and to encourage the development and use of science for the benefit of humanity.



Strategic objectives

- Promoting science and its benefits
- Recognising excellence in science
- Supporting outstanding science
- Providing scientific advice for policy
- Fostering international and global co-operation
- Education and public engagement



Open science: where it all began

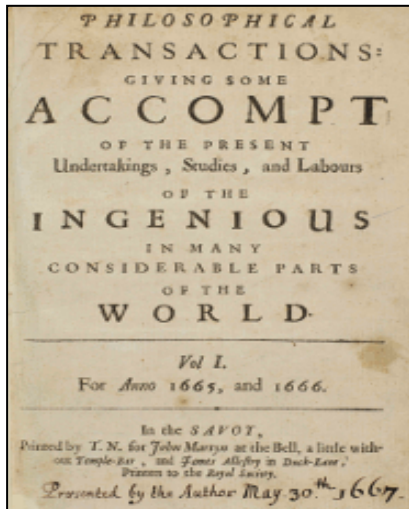
Henry Oldenburg (b.1619)



History

6th March 1665

- *Philosophical Transactions*
the world's first scientific journal
- established the principle of
scientific priority
- peer review
- initially covered the whole
of science in one journal



The Royal Society's journals today

life sciences

cross-disciplinary
sciences

physical sciences



open
Biology

history of science



Science as an open enterprise

Open enquiry is at the heart of the scientific enterprise

- Drivers of open science
- Rapid technological change creating new ways of acquiring, storing, manipulating and transmitting vast data sets, and stimulating new ways of communication and collaboration
- Public scrutiny and growth of “citizen science”
- International collaboration
- Report considers how scientists need to adapt to changing technological, social and political landscape, with profound implications for the way that science is conducted and communicated



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