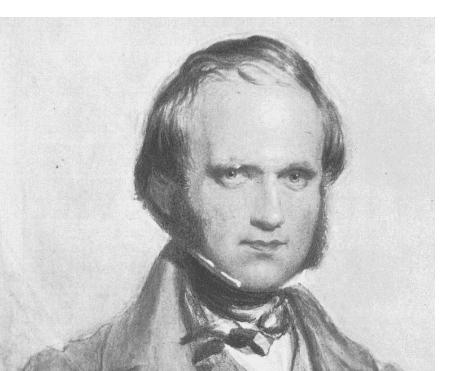
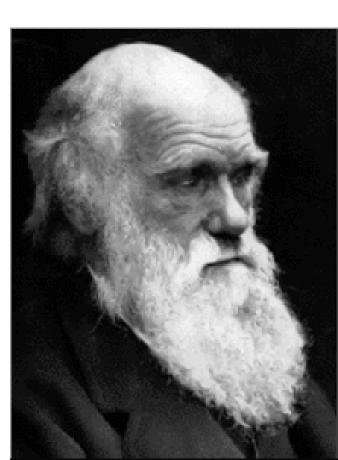
Darwin, my hero - and anti-hero

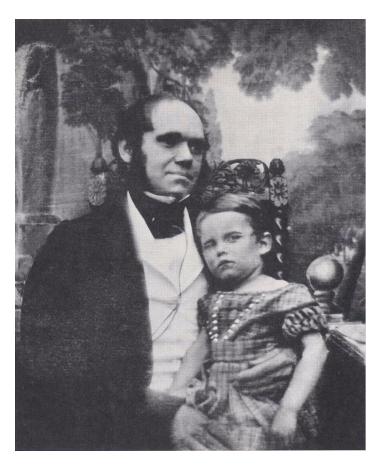








Darwin, the aristocrat





This is the Swestern many Children - (17 leave &id) - . Constant Compania have a his est ment in me - orgent to be the we pill ment in me - better them a dog anyther. -beloved & played with - - Home, & America I take care of have - Clarm of heave Amelia interplate - Incontraction hea I terrible lof of time -In my , it is withered to thank of Spender, one while life; like a renter bee, with y waking a witten often U. - he we won't do ... Ingin him all one soft entry on the high Palm House - Only prating to jusself a trice site whe on a sofa with good fire, + hotos + muesic perhaps - compare Thes vision with the sing raility of It hulks the many - man mary 2.2.D.

manz no children, (no second life) as one to care on me in Ad age . - What is the use of working is withink sports from near a loar friends the and rear a lear freends to \$20. Vept relation Readon to go where our like choice of Iniet & Lille 1 etc. - Konsense I dere men at clubs - hat from the visit relation , + then in every Difes to have the expenses & and if shalfner -July varelling - For of time - ca The Surviyo - fatight is less ansaty , uponsibily - lef money for books - Perkeps my wife wort like freedom to the centeric on bancolment & legeration it indrent, idle for -



Robert FitzRoy, temperamental captain of the *Beagle*.

(Wellcome Institute Library, London)

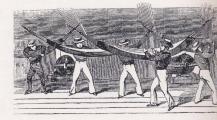
Living on board ship was like being in gaol, said Samuel Johnson, with the added disadvantage of being drowned.

(Illustrated London News)

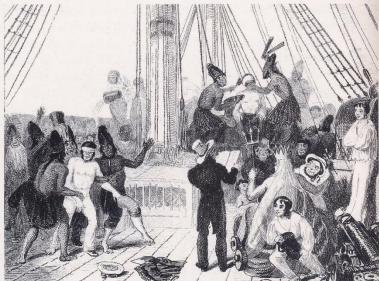
The traditional ceremony of crossing the line, drawn by Augustus Earle, the *Beagle*'s artist.

(R. FitzRoy, *Narrative* 1839. Wellcome Institute Library, London)

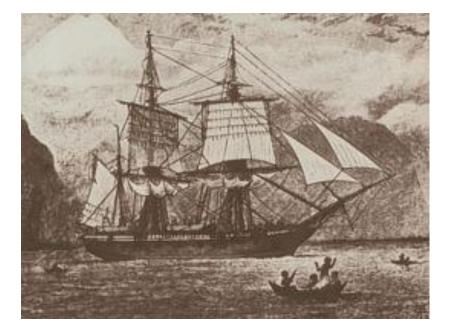




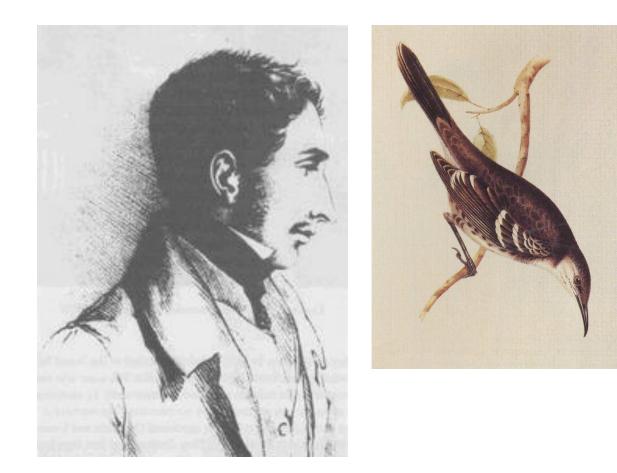




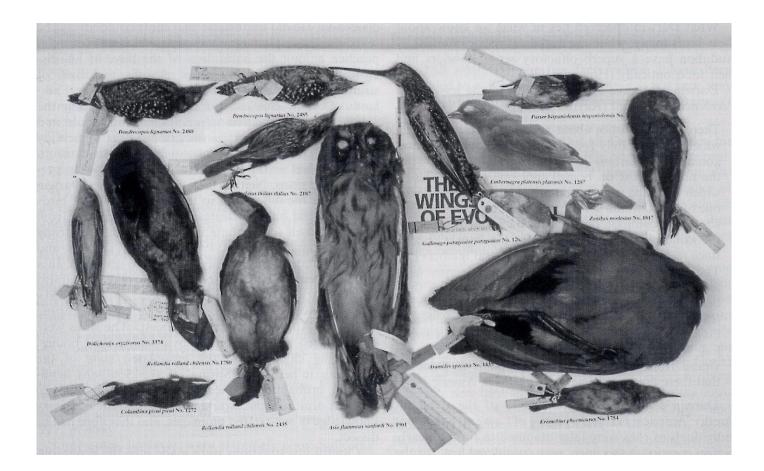
H. M. S. Beagle



Captain Robert FitzRoy

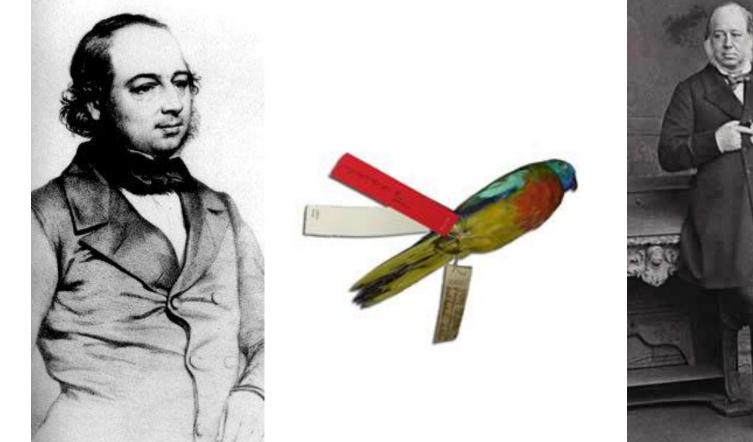


Darwin's specimens



Darwin's labels

John Gould





Taxidermy and ornithology



The red bird of paradise (Paradisea sanguinea) by William Hart, from The Birds of New Guinea and the Adjacent Papuan Islands.







John Gould His Birds and Beasts



Elizabeth Gould



Expeditions to Australia









Hummingbird exhibition





Long-tailed Mockingbird



Galapagos Mockingbird







Hood Mockingbird

Chatham Mockingbird

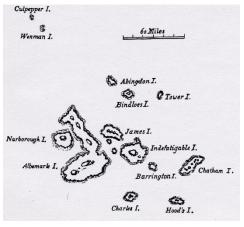
Galapagos hawk





woodpecker finch

warbler finch





Adaptive radiation

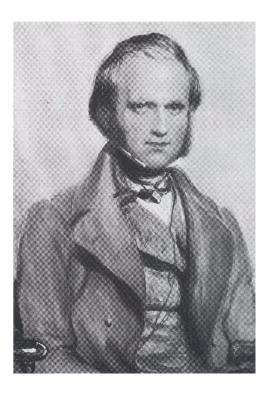


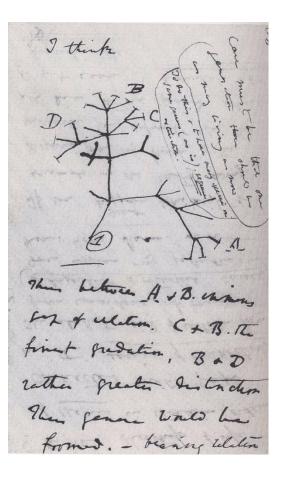






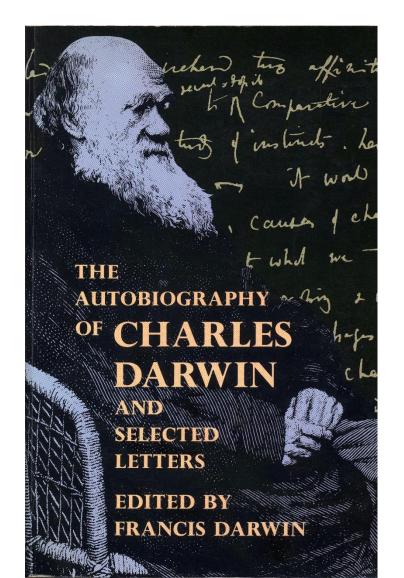
Note by Darwin from the Zoological Society



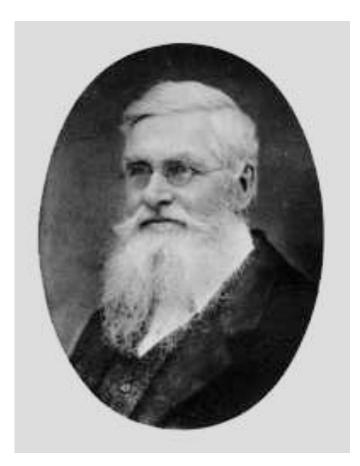




Darwin's autobiography: Where is Gould?



Alfred Russel Wallace - forgotten hero



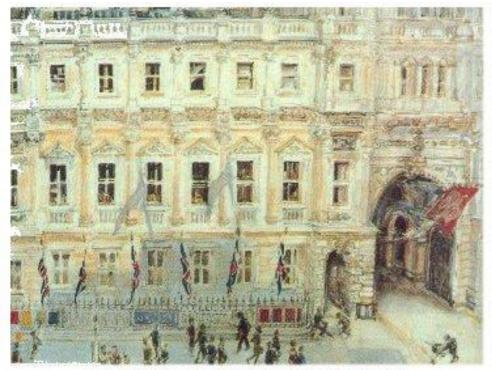
Joseph D. Hooker



Sir Charles Lyell



The Linnean Society



Burlington House, West Piccadilly Facade watercolour by Janet Q. Hardman, 1990 LINNEAN SOCIETY OF LONDON ©





Reading Room

The joint publication

On the Tendency of Species to form Varieties; and on the Perpetuation of Varieties and Species by Natural Means of Selection. By Charles Darwin, Esq., F.R.S., F.L.S., & F.G.S., and Alfred Wallace, Esq. Communicated by Sir Charles Lyell, F.R.S., F.L.S., and J. D. Hooker, Esq., M.D., V.P.R.S., F.L.S, &c.

[Read July 1st, 1858.] London, June 30th, 1858.

MY DEAR SIR,—The accompanying papers, which we have the honour of communicating to the Linnean Society, and which all relate to the same subject, viz. the Laws which affect the Production of Varieties, Races, and Species, contain the results of the investigations of two indefatigable naturalists, Mr. Charles Darwin and Mr. Alfred Wallace.

Ethical issues

- Why did Darwin only ask his own friends?
- Why did Darwin put his faith in his two friends?
- Why did Darwin accept to write a paper **after** Wallace had already written his paper?
- Why was Darwin first author and Wallace second when the papers were read?
- And why were the papers communicated by Lyell and Hooker?

Ethical issues

- Scientists are trained extensively to address issues about animal experimentation
- Why is there no training to deal with the ubiquitous ethical issues in human interactions?

What is the point?

- We all have a duty to address ethical issues properly and adequately
- Scientists have a duty to train students in handling ethical issues properly and adequately
- Heads of departments are **ultimately responsible** for ethical issues being handled properly and adequately

Authorships: Who and when?

- Authorship is the most frequent cause of ethical conflict
- Authorship is a right
- Authorship also implies duties and responsibilities
- Who are authors, in which order, and when?

Authorship: Ecological Society of America rules

- Who got the idea? Co-author and first author
- Who did most of the work? Co-author
- Who did significant amounts of analyses? Co-author
- Who wrote that paper? Co-author
- Who contributed otherwise? Acknowledgments!

Practical issues

- Students and technicians
 - Despite the rules
- Some journals (e. g. Evolution) require that coauthors can explain everything in the paper
 - A very serious issue
- The project leader paid for the costs
 Does money rule? Not a valid reason
- The head of department wants to be co-author
 Not a valid reason
- The head of the group needs a publication
 Not a valid reason

Ethical scenarios from real life (1): Grant proposals

- X (junior) and Y (senior) write a proposal that is submitted, but not funded
- Five years later X submits exactly the same proposal, but Y is eliminated as applicant without being told
- The grant is funded
- Is this ethically appropriate behavior?
- What to do?

Ethical scenarios from real life (2): Research project

- Y (senior) proposes a very specific research project to X (post-doc of Y), and both agree to proceed
- Z (junior) gets involved because he is working in research centre XX, where the data to test the hypothesis can be easily collected and analysed
- Y and X ask Z five times during the next three years about progress, but none is reported
- Five years later a post-doc working with Z, originally from research centre XX, publishes a paper in PNAS with X and Z as co-authors. Y is nowhere to be found in the paper
- Is this ethically appropriate behavior?
- What to do?

Ethical scenarios from real life (3): Conference presentation

- X (junior) has a PhD student Z who develops very valuable genetic markers
- X presents the results of the project of Z at a Juan March workshop, without more than mentioning the name of Z together with 20 others
- Z finishes her thesis, but refuses to provide information about the markers to X
- Is this ethically appropriate behavior?
- What to do?

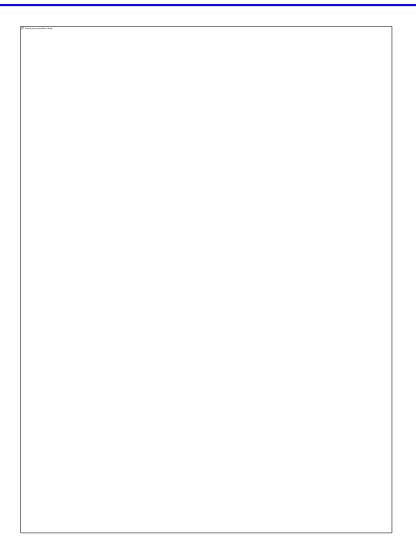
Ethical scenarios from real life (4): Job application

- X has an idea for a CSIC position for Y
- X presents the idea at a seminar where Z, W, V and many others are present
- When applications for CSIC jobs are evaluated the next time, there are two applications by Y and Z that are almost identical
- Y gets the job
- Is this ethically appropriate behavior?
- What to do?

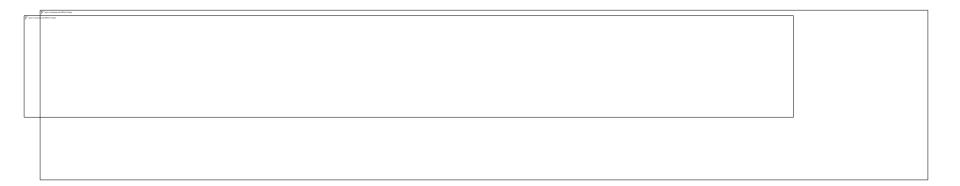
What to do if there is a potential ethical conflict?

- Always bring out ethical issues in the open. Problems cannot be resolved if they remain hidden
- Ask the person(s) concerned
- If in doubt, ask at least two senior colleagues with more experience
- If still in doubt, ask the head of the lab
- Ask for a meeting with the parties of the conflict and two independent councils (i. e. do not do as Darwin did)
- Adopt and expand an ethical code of the department

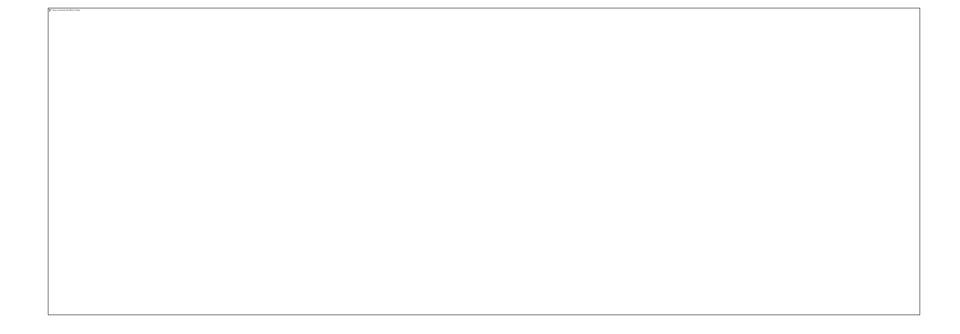
Code of ethics



Code of ethics (1)



Code of ethics (2)



Code of ethics (3)

Code of ethics (4)



Code of ethics (5)

Reserve proving parafilter Fingu.	

Code of ethics (6)



Code of ethics (7)









