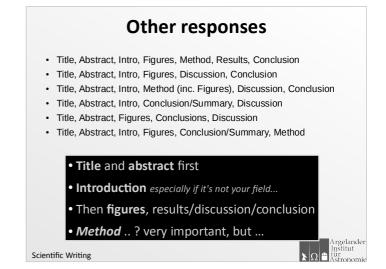
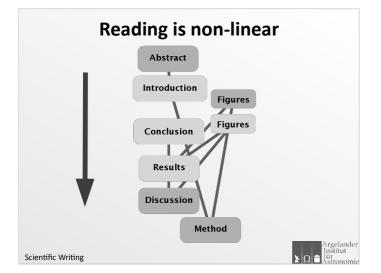
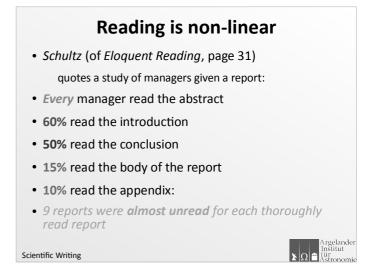


Class 1 Homework "Email me the answer over the weekend" **Typical responses:** 1.Title 1.Title 2.Abstract 2.Abstract 3.Introduction 3.Introduction 4.Figures 4. Figures 5.Methods 5.Results 6.Discussion 6.Results 7.Conclusion 7.Conclusions 8. Discussion 8.Method Scientific Writing











Good Titles

- Informative
- Accurate
- Clear
- Concise
- · Command attention!

These may conflict, it is up to you to choose!

Based on Lipton, W. J., 1998: The Science Editor's Soapbox 93: See Schultz' Eloquent Writing

Scientific Writing



Good Titles

- Informative: sell the main points of the paper
- Accurate
- Clear
- Concise
- Command attention!

Be as specific as possible without details Choose words carefully One or two points maximum!

Scientific Writing



Good Titles

- Informative: sell the main points of the paper
- Accurate: be truthful!
- Clear
- Concise
- · Command attention!
 - No exaggerated claims
 - Do not lie to make it sound more exciting than it really is!

Scientific Writing



Good Titles

- Informative: sell the main points of the paper
- · Accurate: be truthful, no exaggerated claims!
- Clear: do not make the reader guess what you mean
- Concise:
- Command attention!

A title may be open to interpretation: do not allow this! Ask colleagues for their opinion:

What do they think your paper is about?

Scientific Writing



Good Titles

- · Informative: sell the main points of the paper
- · Accurate: be truthful, no exaggerated claims!
- · Clear: do not make the reader guess what you mean
- · Concise:
- · Command attention!

Short titles jump off the page/screen/e-book reader Every word should be there for a reason Every word should contribute meaning

Scientific Writing



Good Titles

- Informative: sell the main points of the paper
- · Accurate: be truthful, no exaggerated claims!
- · Clear: do not make the reader guess what you mean
- · Concise: instant recognition!

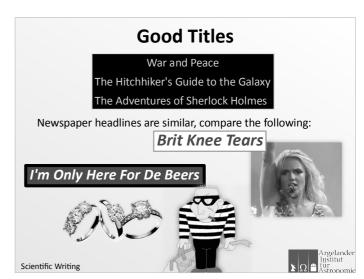
Command attention!

If you can meet the four previous criteria AND make it sound exciting (perhaps provocative) then do it!

Scientific Writing







Title Structure

- · Keywords: search engines will use these!
- Word order: "Binary star" vs "Star in a binary"
- · Avoid unnecessary first words:
 - "An observational study of..." should be "Observations of" etc.
- · Avoid acronyms: e.g. BSE
 - "Binary Star Evolution" or "Bovine spongiform encephalopathy" or "Breast self-examination" or "Bone surface element" etc.
- Avoid "Using"! "Modelling galaxies using numerical codes":

the galaxies are using the numerical code? Really?!

Scientific Writing



Title Structure

- "On ..." sounds pretentious and is imprecise.
 e.g. "On the evolution of the Sun" (... what about it?)
- Headline titles: fine for Nature but not for MNRAS!
- Annoying titles: do not render your work trivial!
- Titles as questions can be provocative,

e.g. "Will the Sun explode tomorrow?"

- Colons can be used to move the important word to the front of the title. (These tend to elongate the title)
- Multipart papers are dangerous ... Scientific Writing

Argelande Institut

Titles Class Exercise (part 1)

Informative Accurate Clear Concise Attention!

Take today's title list from astro-ph

Rate them according to the above criteria:

- 1. Excellent
- 2. Adequate
- 3. Poor

Decide which are the three best and three worst!

Scientific Writing



Titles Class Exercise (part 2)

Informative Accurate Clear Concise Attention!

Each group should them suggest new and improved titles for the *worst* three! Remember the criteria above!

Followed by short presentations giving the best, worst and replacement titles ...

Scientific Writing



