

Astrophysics Seminar 2007 Spring

- **To Read**
journal papers, news, ..., anything
- **To Present**
how to show (what you want to show) by a talk? By a poster?
- **To Write**
- **To Listen**
how to be an audience

HW070307

- Do a survey, as comprehensive as possible, of journals that publish astronomy- and astrophysics-related research results. Which of them have associated publications, e.g., letters or supplements?
- How often does each journal publish?
In what language?
(By what publisher?)
(Do we subscribe to it?) ...
- How does the 'style' of each journal differ from each other? Note the title, abstract, references.
- Zoom in to one particular '**core**' journal and browse through one recent paper in it. Do the same for one off-core journal.
- What is the Science Citation Index?

How to do a presentation ...

Why? What? To whom? When? Where?

- Be prepared (to show only 10% of what you know/prepare)
- Be confident
- Practice efficient language
- Use proper media (overhead, slides, PowerPoint; words only, blackboard ...)
- Write legibly (text & graphics)

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How to do a presentation (*cont.*)

- Exercise gestures/body language (walk around sometimes)
- Do **NOT** block the screen
- Stick to the time limit
- Pay attention to your audience
- Sprinkle a touch of humor (yes, only a touch!)

How to be an audience?

- Homework/preview work
- Learn a thing or/then two
- Do **NOT** chat with others
- Ask questions
- ...

HW070314

- Choose one paper in the Astrophysical Journal (ApJ) Centennial issue. What is the paper about? By whom? State your impression of the paper.
- Choose one paper in the 1st issue of the ApJ. Do the same.
- What is the “***astro-ph***”? Write a small essay with your own words.

Reference Styles

Nature

1. Whipple, F. L. Origin of the comets. *Proc. Natl Acad. Sci. USA* **51**, 711–715 (1964).
2. Mumma, M. I., Weissman, P. R. & Stern, S. A. in *Protostars and Planets III* (eds Levy, E. H., Lunine, J. I. & Matthews, M. S.) 1177–1252 (Univ. Arizona Press, Tucson, 1993).
3. Whipple, F. L. A comet model I: The acceleration of comet Encke. *Astrophys. J.* **111**, 375–394 (1950).

Astrophysical Journal

Beech, M., & Mitalas, R. 1994, *ApJS*, 95, 517

Chlebowski, T., & Garmany, C. D. 1991, *ApJ*, 368, 241

Conti, P. S., Garmany, C. D, deLoore, C., & Vanbeveren, D. 1983, *ApJ*, 274, 302

Annual Review of Astronomy and Astrophysics

Adams, JD, Stauffer, JR, Monet, DG, Skrutskie, MF & Beichman, CA. 2001, *Ap.J.*, 121:2053-2064

Allen, C & Poveda, A. 1974, in *The Stability of the Solar System and of Small Stellar Systems*, ed. Y. Kozai, pp. 239-246. Dodrecht: Kluwer.