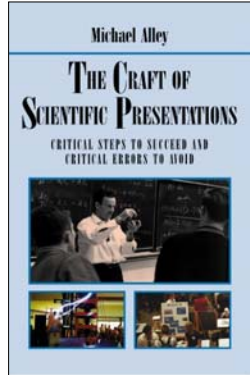


The Craft of Scientific Presentations

[Feynman] developed into an accomplished and inspiring teacher and lecturer, who gave virtuoso performances full of showmanship, humor, with his own inimitable brilliance, style, and manner.

Jagdish Mehra

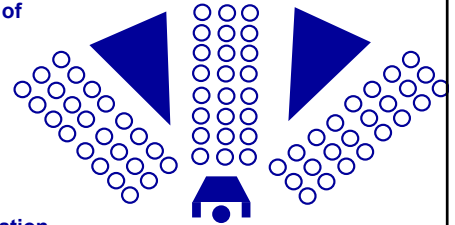


Because presentations are expensive, one should consider whether a presentation is truly needed

Cost in salaries of audience

Cost in time for presentation

Cost in time to prepare presentation



2

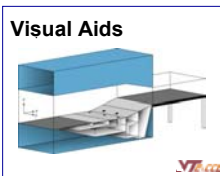
Presentations can be viewed from three stylistic perspectives

Structure and Speech



© 1999 MINTEVEREST

Visual Aids



ME.GZ

Delivery



ARCHIVES, CalTech



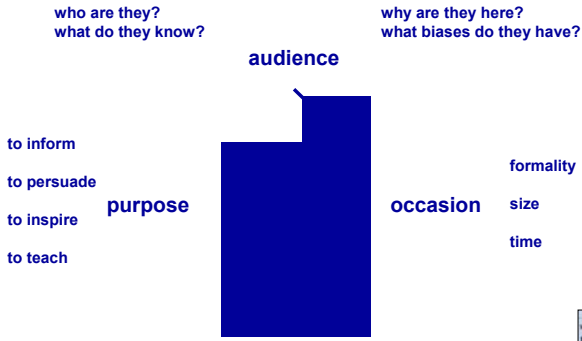
One critical error of structure is giving the wrong speech



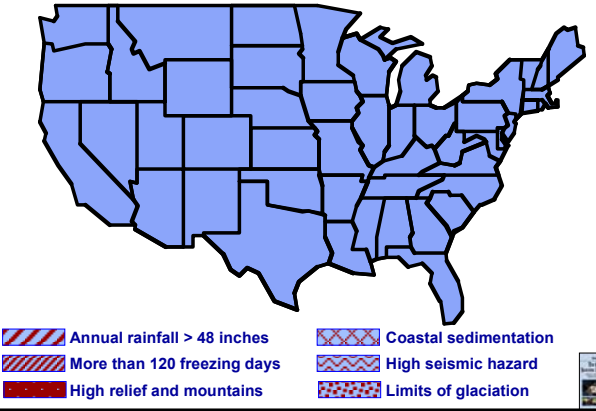
4



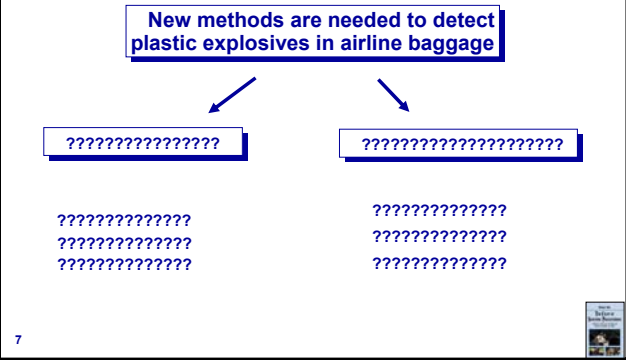
You begin preparing a scientific presentation by analyzing your constraints



The purpose affects how you support assertions



A proposal presents a statement of the need, often called a problem statement



Another critical error of structure is leaving the audience at the dock



Beginnings prepare the audience for the work to be presented

Defines work

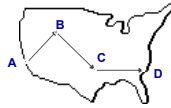
Shows importance

$$Work = A + B$$



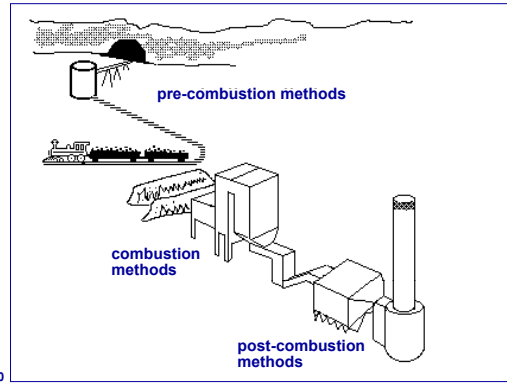
Gives background

Maps presentation



9

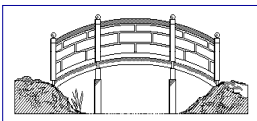
The middle presents the work in a logical order



10

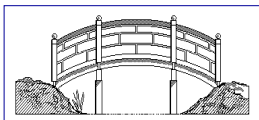
In the middle, you make smooth transitions between major points

pre-combustion methods



combustion methods

combustion methods



post-combustion methods

11

The ending summarizes main points and places those results in the context of the big picture

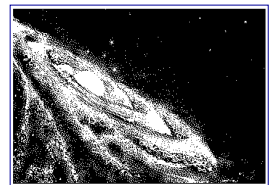
point 1
point 2
point 3
point 4

point 5
point 6
point 7
point 8



point 1
point 7

Summary



Big Picture

12