

Faraday 04



Faraday Lecture Staff

Joseph Davicsin
Gabriel Vega
Joshua Cabrera

Thasha Ramdas
Rozalia Ziobro
Steve Rodan
David Maiullo
Mark Croft

All Pictures
courtesy
of Carl Blesch

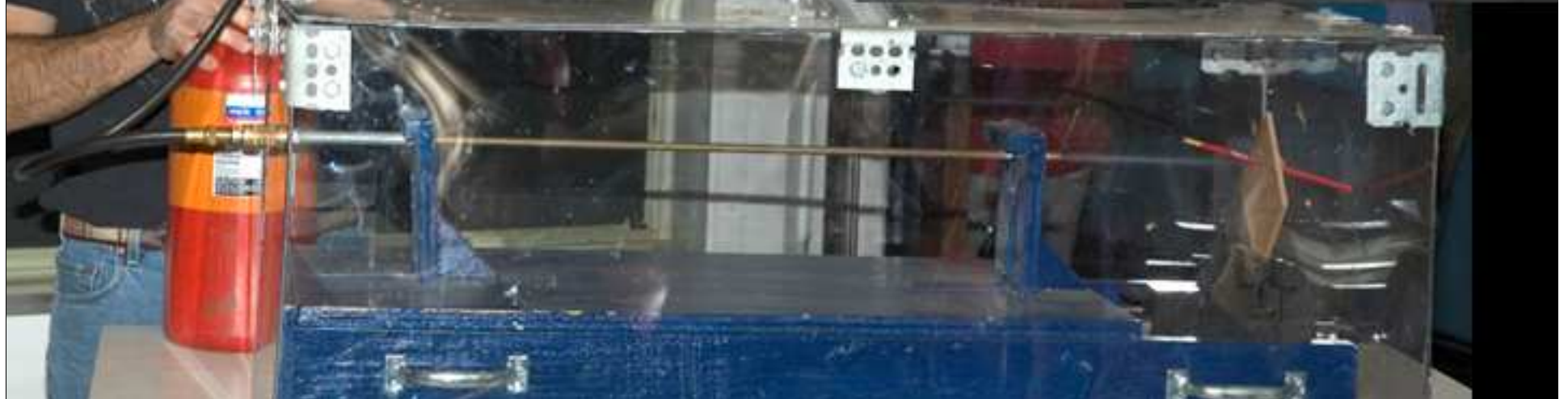
David Maiullo
Rozalia Ziobro
Thasha Ramdas
Gabriel Vega
Mark Croft
Oren
Joseph Davicsin.

Not picured
Chris Navarro
Joshua Cabrera



Faraday 05

Pencil penetrating wood demo





force-reaction force



mass resistance to acceleration

Rotation





Rotation



**lead weighted bicycle
wheel gyroscope**



Waiters Tray

Waiters Tray



Vibrations





Faraday Lecture attendees “before breakfast, on the morning after the show... trying to make sounds with different volumes of water in wine glasses.”

Vibrations (and what its all about)

Faraday Lecture wine glass the night before

Waves





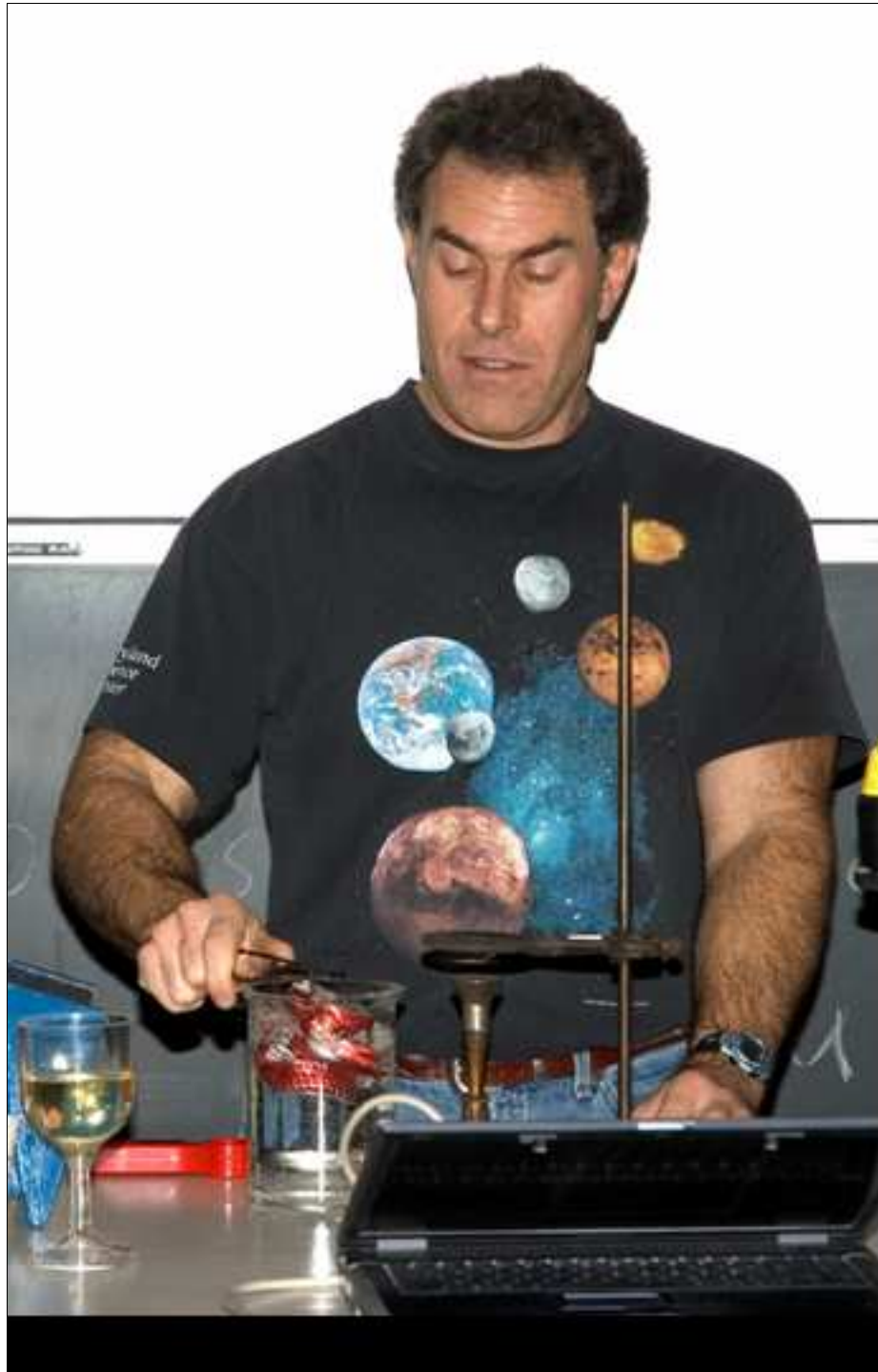
Bernoulli Effect

propagating smoke rings





density & buoyancy



**Atmospheric Pressure
can crushes: little and BIG**



He balloon cooled
in liquid N_2

- denser
than air
- falls



He balloon –warmed
- less dense than air
- rises



Liquid N_2

balloons shrinking
when cooled by N_2





**Embrittled
flower**



Bed of Nails (3000 nails, low force per nail)



Bed-of-nails: Force/unit area demos

cinder block breaking

**Professor (baloney ?)
Sandwich**



Electricity and Magnetism



**Faraday Effect
ring flinger**





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