

# Encouraging Young Scientists in the American Meteorological Society



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# Meteorology (Atmospheric Sciences) is ...

- ❖ young ...
- ❖ and small:
  - ❖ O(10,000) AMS members (~75% meteorologists in 2005)
- ❖ and not just for Ph.D.s!
  - ❖ 2005: 23% had terminal Bachelor's
  - ❖ 21% had terminal Master's
  - ❖ 33% had Ph.D.
  - ❖ 23% were students

# Before the Terminal Degree

- ❖ Graduate Fellowships; Undergraduate Scholarships “plus”
  - ❖ trip to Annual Meeting (& to D.C. for grad students)
  - ❖ mentoring partnerships for Minority Scholarship winners
- ❖ Student Conference; Meeting Travel Grants
- ❖ Committee and Board Membership
  - ❖ 1970’s, “3 of us invited to advise the Council”
  - ❖ 2000’s, Education and Human Resources Commission boards have 1 graduate, 1 undergraduate member

# At the Student/Professional Interface

## ❖ Mentoring Program

- ❖ Board for Private Sector Meteorologists
- ❖ pool of mentors ( $\geq 5$  years in field)
- ❖ commit to 1 year of monthly contacts

## ❖ Role Modelling for Career Paths

- ❖ “Private Sector Profiles” (online)
- ❖ “Community Profiles” (online)
- ❖ Certified Consulting Meteorologist profiles in  
“Real-World Meteorology” (*Bulletin of the AMS*)

## After the Degree(s)

- ❖ Within 10 years of final degree or under 40
  - ❖ Clarence Leroy Meisinger (Research) Award
    - ❖ dynamical meteorology - observation, theory, or modeling
  - ❖ Henry G. Houghton (Research) Award
    - ❖ physical meteorology, including atmospheric chemistry
  - ❖ Nicholas P. Fofonoff (Research) Award
    - ❖ physical oceanography - instrument, obs., theory, or modeling

## After the Degree(s), con't.

- ❖ Summer Community Meeting
  - ❖ private/government/academic sectors; location & topics vary
- ❖ AMS Washington Forum
  - ❖ private/government/academic sectors; legislative/agency focus
- ❖ Summer Policy Colloquium
  - ❖ “ten-day immersion in atmospheric policy”; D.C.
- ❖ Beacons Program (debuting 2011)
  - ❖ good-will ambassadors; Annual Meeting, others

## For More Information

- ❖ <http://www.ametsoc.org>
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