MBARI’s Education and Outreach Efforts and Legacy

George I. Matsumoto
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Postdoctoral Fellows
MBARI’s first decade
1987 - 1997

Michael Begnaud  Bill Burgess  Russ Hopkroft  Hans Jannasch  Raphael Kudela

Dave Mellinger  Thomas Naehr  Chris Scholin  Franz Hover  Yafang Su  Mario Tamburri
97 Postdoctoral Fellows
MBARI’s second and third decades
97 scholars (35 females and 62 males)
1997 - 2017

13 are current post docs
5 hold regular staff positions

Steve Haddock
Senior Scientist

Crissy Huffard
Senior Research Technician

Monique Messié
Research Specialist

John Ryan
Senior Research Specialist

Kakani Katija
Principal Engineer
30 years of MBARI Postdocs
Where are they now?

108 postdoctoral fellows in 16 countries
36 females, 72 males
42 external grants
MBARI’s second and third decade
1997-2017 Intern Program
George Matsumoto, PhD

Summer program for undergraduates, graduate students, educators
300-350 applicants a year for 12 to 20 positions

"I think it was really great that there were efforts to provide activities for the interns as a group, and that there were times we all met, and things for us all to collaborate on. Past internships did not really bring the interns together. I liked the MBARI approach better."
307 MBARI Interns (2017)
Where were they from?
37 states and 16 countries

Top States
136 CA
18 MA
9 HI
8 WA
8 NC

16 countries

- Canada 5
  - US 257
  - Mexico 2
- Sweden 2
  - Scotland 4
  - England 8
  - Wales 1
  - Germany 1
  - France 5
  - Spain 6
- Ukraine 1
- Brazil 1
- India 2
- Sri Lanka 1
- New Zealand 1
- Australia 4
307 MBARI interns: Where are they now?

STEM
81 graduate students
40 academia/research
27 engineering
18 K-12 education
10 postdoctoral fellowships
5 MBARI staff
~ 100 publications
MBARI Interns
Where are they now?

Teri Nicholson – Monterey Bay Aquarium
Brian Schlining – MBARI software engineer
Katrina Hoffman – CEO, Prince William Sound Science Museum
Jenny de la Hoz – US Fish and Wildlife; Aquarium teen programs; PhD Oregon State Univ.
Caren Braby – Marine Resources, Department of Fish and Wildlife
Ann Marie Thomas – PhD Cal Tech; University of Saint Thomas
Ashley Blacow - Oceanus Policy and Communications Manager
Amos Winter – PhD, faculty MIT
Guiding Student Research
MBARI staff mentors

121 High school students’ projects
(107 from Watsonville Area Teens Conserving Habitats)
Monterey Bay Aquarium Education program

College student projects and theses
• 93 Undergraduates
• 68 Masters students
• 127 PhD students
Guiding Student Research
58 MBARI mentors - 409 projects

12 countries

Top Schools:
- Pajaro Valley 91
- UC 72
- Stanford 66
- MLML 33
- CSUMB 26
2003 – 2017 teacher workshops
Education and Research: Testing Hypotheses

Workshops 7 @ MBARI, others in NH, NJ, NC, FL, OR, AK, HI
20 - 30 educators served each year
12 satellite workshops since 2012

“EARTH is one of the best teacher workshops I’ve ever had the chance to participate in. We can take that amazing data back to the classroom to our students. And it’s real; it’s relevant.”
Legacy from MBARI Education Programs

108 Postdocs
307 Interns
409 student projects
186 EARTH educators
and thousands of their students

Shana Goffredi
Occidental College, California

Henry Ruhl
National Oceanography Centre, UK

Victoria Orphan
California Institute of Technology

Karen Osborn
Smithsonian Institution, Washington, DC

MBARI Adjuncts