

Science is Commerce

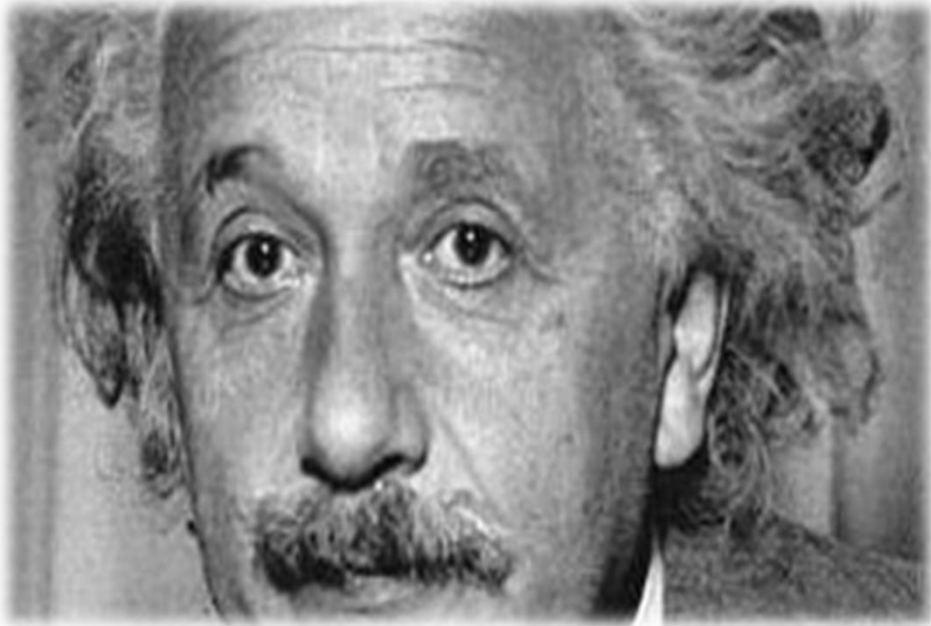


SITKA SOUND
SCIENCE CENTER
ALASKA

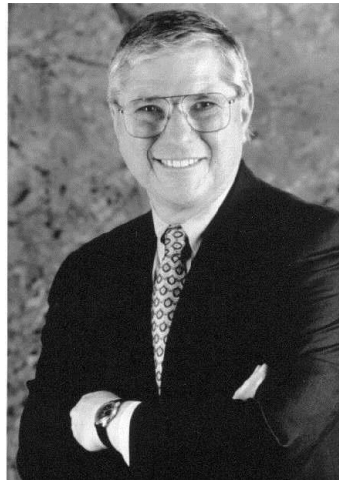
**No, really.
That's very
interesting.**



Please go on.



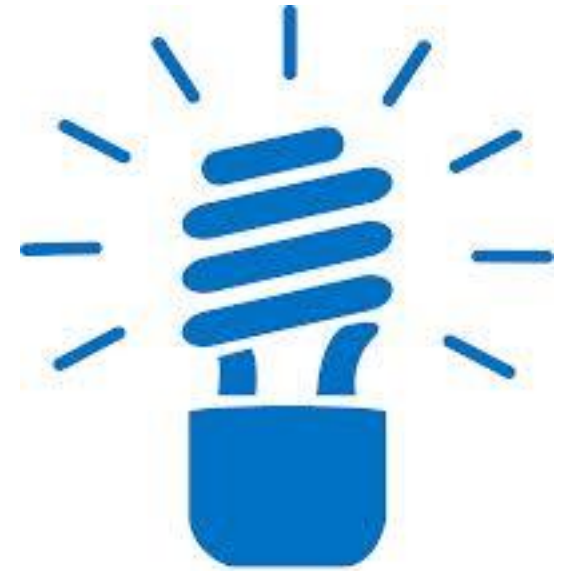
Nothing in life is to be feared. It is to be understood.
- Marie Curie



Interesting People

Creative Ideas

New Innovations





SCIENCE = \$\$

Science Technology Engineering and Math(STEM)

- “ STEM workers can earn higher wages
- “ On average, 65 percent of those who hold a bachelor’s degree in STEM fields will earn more than those who hold master’s degrees in other areas.
- “ Among those with associates degrees in the science and technical fields, 63 percent earn more than those who hold bachelor’s degrees in other subjects.

--NYTIMES 2011 - study at Georgetown

Science Brings Commerce to Communities

- “ Research dollars
- “ Jobs
- “ Attraction
- “ Ripple Effect





Falmouth, MA
-Woods Hole
Oceanographic Institution



La Jolla, CA
-Scripps Institution of
Oceanography

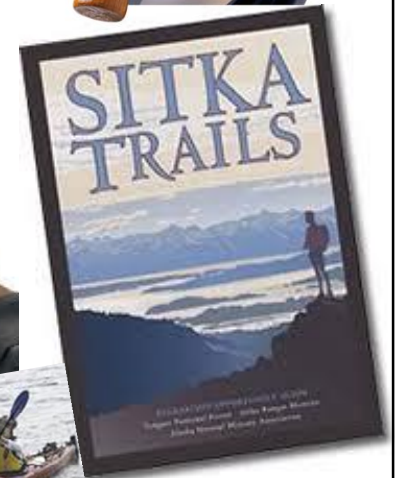
Newport, OR
-Hatfield Research Center



Monterey Bay, CA.
-Monterey Bay Aquarium
Research Institute

What Researchers Need:

ATMOSPHERE
SUPPORT
FOOD
SUPPLIES
LODGING
DRINK
ENTERTAINMENT
SHOPPING



Scientists Bring Other Things to a Community

Spinoff Businesses – Silicon Sandbar

Economic Sustainability

Expertise

Involvement - Community Service

Better Understandings of our Environment



They are EVERYWHERE.....

**United States Forest Service
Alaska Department of Fish and Game
U.S. Coast Guard
U.S. Fish and Wildlife
University of Alaska
NSRAA
National Park Service
Sitka School District
SEARHC**



Science Center for Sitka

- “ 40 jobs(full time, year round and seasonal)
- “ \$3.2 million in grants
- “ \$1.85 million Hatchery contribution to Commercial and Sport Fishery
- “ Attracted other universities/researchers
- “ Students and researchers need to eat, buy beers, outfitting and places to stay
- “ Training and opportunities for Sitka students
- “ 12,000 visitors 2012
- “ New way to talk about Sitka



Science Research

Sitka Sound Science Center

- ” Gulf of Alaska - \$18 million
- ” Wild Hatchery Study - \$4.5 million
- ” Marine Mammal Depredation-
 - ” Marine debris
 - ” Intertidal
 - ” Forest Ecosystem
 - ” Ocean Acidification



Education



**Education at:
Sitka Sound Science Center**

UAS Fisheries Technology
Program

Training for
Aquaculture Industry
\$237 million for Southeast AK.

Only training facility of its
kind

Supported by DIPAC and
NSRAA



K-12 Education

- “ Enrichment
- “ Summer camps
- “ After school
- “ Preschool
- “ Mentorships
- “ Scientists in the Schools



Undergraduate Field Courses

- ” Stanford
- ” Knox College
- ” University of San Francisco
- ” University of Alaska



- ” Gonzaga
- ” Yale
- ” Duke
- ” Northeastern
- ” Colgate College



INFORMAL SCIENCE EDUCATION





Sitka Whalefest



- “ Commerce to Sitka during shoulder season
- “ Brings people here b/c of interest in Science
- “ Educational



They are COMING.....

University of Washington
Duke
University of California
Scripps Oceanographic
Yale
Northeastern University
University of Oregon
Oregon State
University of Alaska
NOAA
Woods Hole

12/2/2014
PHOTOGRAPHY

Partners



- ” City of Sitka
- ” UAS/UAF
- ” Silver Bay Seafoods
- ” Visitor Industry
- ” NSRAA and DIPAC
- Sitka Fine Arts Camp
- ” USDA,NSF,ADFG
- ” Sitka School District
- Edgecumbe High School
- Sitka Conservation Society
- ” Private Foundations
- ” NOAA Auke Bay Lab

BUSINESS NEED SCIENCE

To inform management decisions

Help our businesses be more efficient

Be more effective

Smarter

More appealing

SCIENCE IS A LIMITLESS RESOURCE



THAT WE CAN USE TO BUILD OUR ECONOMY



**SITKA SOUND
SCIENCE CENTER
ALASKA**