

Oregon State
UNIVERSITY

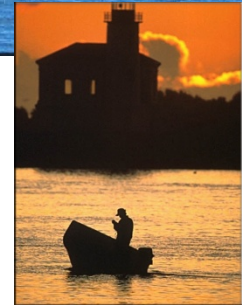
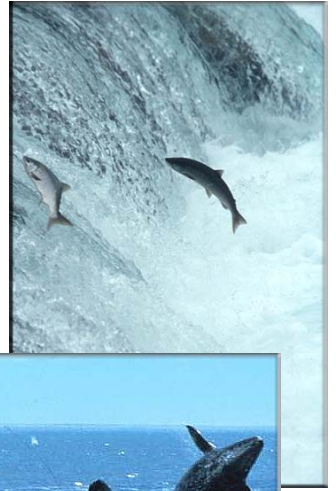
OSU

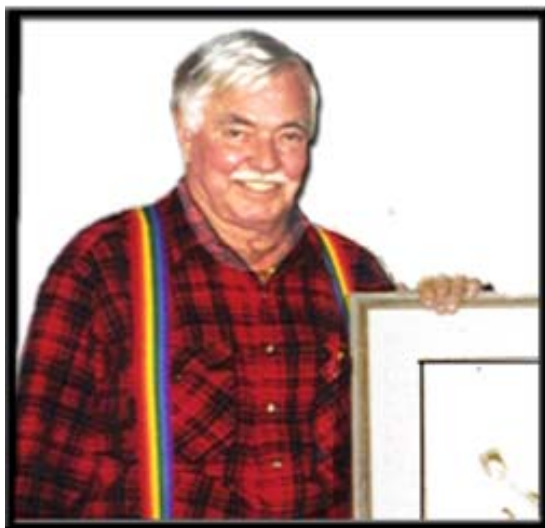
Coastal Oregon Marine
Experiment Station



What Is COMES?

- Largest applied scholarship-based marine research organization in Oregon
- Largest of 11 Branch Agricultural Research Stations in Oregon
- Nationally, the only Branch Experiment Station devoted solely to interdisciplinary marine issues
- Established in 1988 with funding by the Oregon Legislature

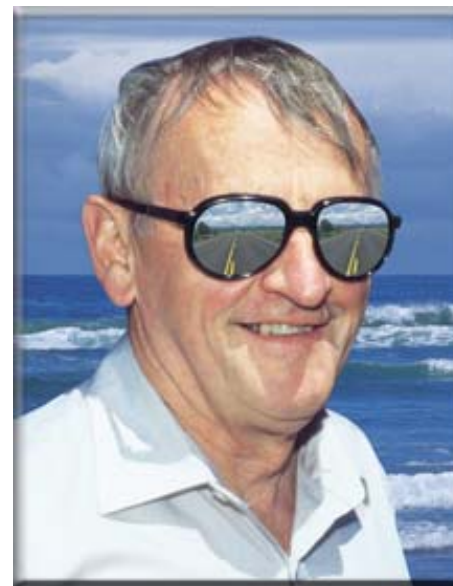




COMES History

- **1939: OSU work on oyster and clam culture in Yaquina Bay began**
- **1940: the Seafood Lab was established in Astoria**
- **1964: OSU's marine science center was dedicated in Newport**

- **1980s: Capt. Barry Fisher and Dr. Lavern Weber led the drive to create a marine experiment station in Oregon**
- **1987 Legislature created and funded the new Marine Experiment Station via Experiment Station budget line/authority**
- **1988: the College of Agricultural Sciences merged positions in the departments of Food Science & Technology and Fisheries & Wildlife to staff this new station**
- **1989: First Board meeting**

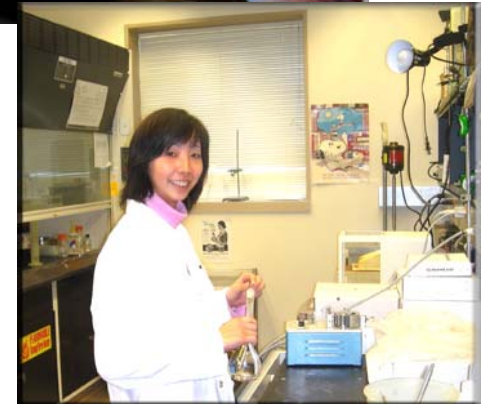


COMES Mission

*. . . to conduct applied marine research
beneficial to Oregon's coastal communities,
the nation, and the world . . .*

Related Objectives:

- Maximize benefits by effectively using and conserving marine resources
- Sustain marine industries, resources, and ecosystems
- Educate students, scientists, managers, industry and the public
- Mentor future leaders in marine science and resource management



COMES Research Programs

12 Faculty; 15 Staff; 40 Graduate Students

- **Aquaculture**
- **Fish Disease**
- **Marine and Fishery Management & Policy**
- **Population Dynamics-Stock Assessment**
- **Marine Fish Ecology**
- **Marine Fisheries Genetics**
- **Marine Mammal Program**
- **Marine Resource Economics & Marke**
- **Seafood Safety**
- **Seafood Protein and Surimi Seafood**
- **Value-Added Seafood Products**



COMES Philosophy

COMES operational style is interdisciplinary and entrepreneurial, focusing on scholarly research which “makes a difference”



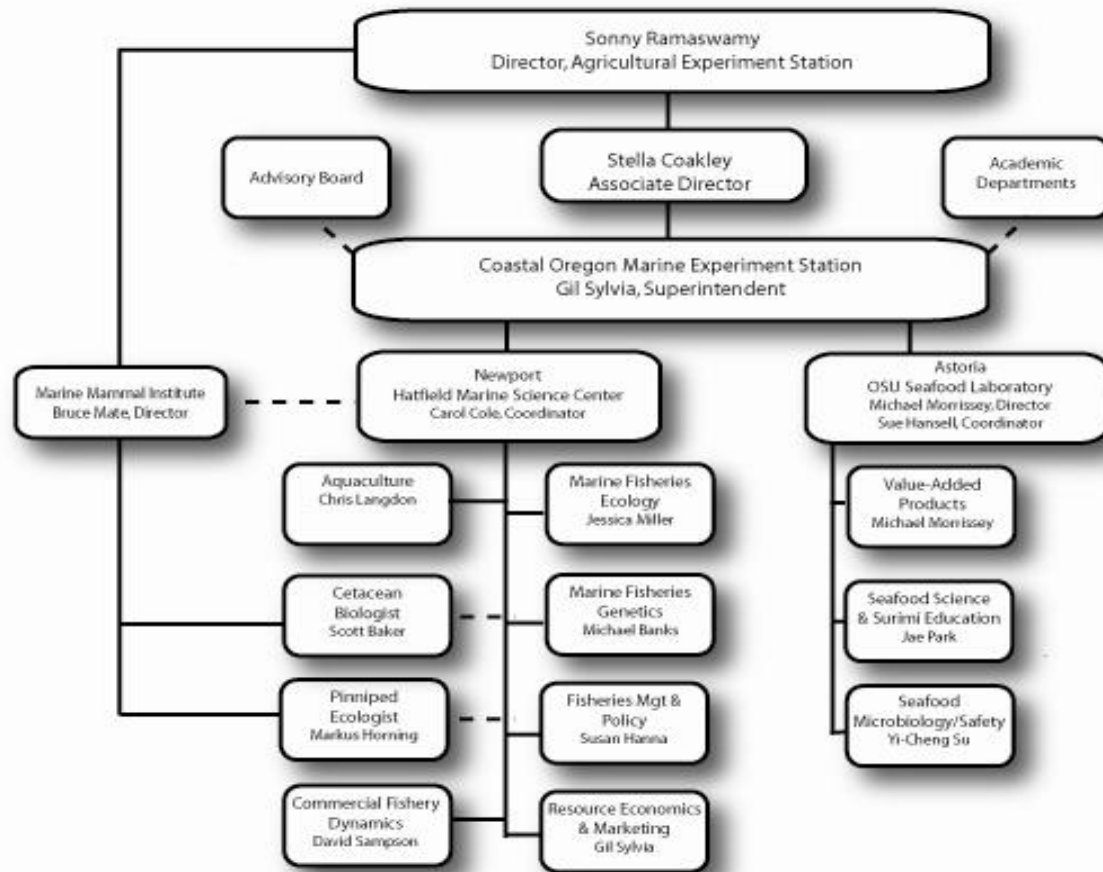
COMES works closely with its partners to address problems, needs, and opportunities



COMES maximizes the creativity and impacts of our programs by anticipating the future, balancing risks with opportunities, and integrating research, outreach, and teaching responsibilities



COMES Organization



COMES Productivity, 2009

- \$4.9 million in grants and contract
- 45 refereed publications; 33 others
- One patent
- Organized five conferences
- 7 graduate classes taught
- 18 graduates:
11 MS, 7 Ph.D.



COMES Estimated Economic Impacts in Oregon in 2009

- Fisheries: \$7.2 million
- Aquaculture: \$5.0 million
- Other: \$1.6 million



COMES Geographic Area

- Oregon (50%)
 - Nearshore (10%)
 - Estuaries (10%)
 - Adjacent Federal (30%)
- Region (20%)
- Nation (20%)
- International (10%)

COMES Annual Funding

- Base State Funding \$1.4 Million
- Grants and Contracts
 - Federal \$2.0 M
 - State \$300K
 - Private \$400K
- Total \$4.1M

COMES Advisory Board

The COMES Advisory Board is a 9-member board, chaired currently by Joe Easley. Members work with the COMES faculty and represent specific constituencies, including fisheries, other sectors of the seafood industry, the coastal community, and environmental concerns.

Current members include:

Joe Easley, Chair

(Former Chair, Oregon
Trawl Commission)

Robert Schoning

(NOAA, retired)

Dave Nisbett

(Nisbet/Goose Point Oysters)

Tom Libby

(Point Adams Packing Compan)

Michael Graybill

(South Slough Reserve)

Fred Postlewaite

(Oregon Coast Bank)

Terry Thompson

(Lincoln County Commissioner)

Mike Dickerson

(Shorebank Enterprise Pacific)

Brad Pettinger

(Oregon Trawl Commission)



COMES Research Programs

- Aquaculture
- Fish Disease
- Fishery Management & Policy
- Marine & Diadromous Fish Ecology
- Marine Fisheries Genetics
- Marine Mammal Program
- Marine Resource Economics & Marketing
- Seafood Safety
- Surimi and Surimi Seafood
- Value-Added Seafood Products

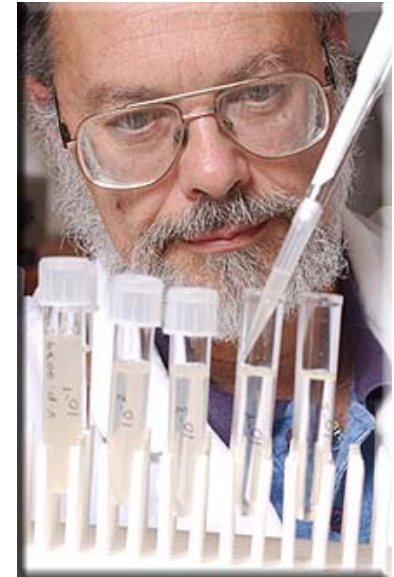


COMES - Newport



COMES - Newport

Michael Banks
Marine Fisheries Genetics



Paul Reno
Fish Disease



Chris Langdon
Molluscan Broodstock Program

Bruce Mate
Marine Mammal Institute



COMES - Newport



David Sampson
Marine Fisheries Dynamics



Susan Hanna
Marine Fisheries
Management & Policy



Gil Sylvia
Marine Resource Economics

COMES - Newport



Jessica Miller
Marine Fisheries Ecology

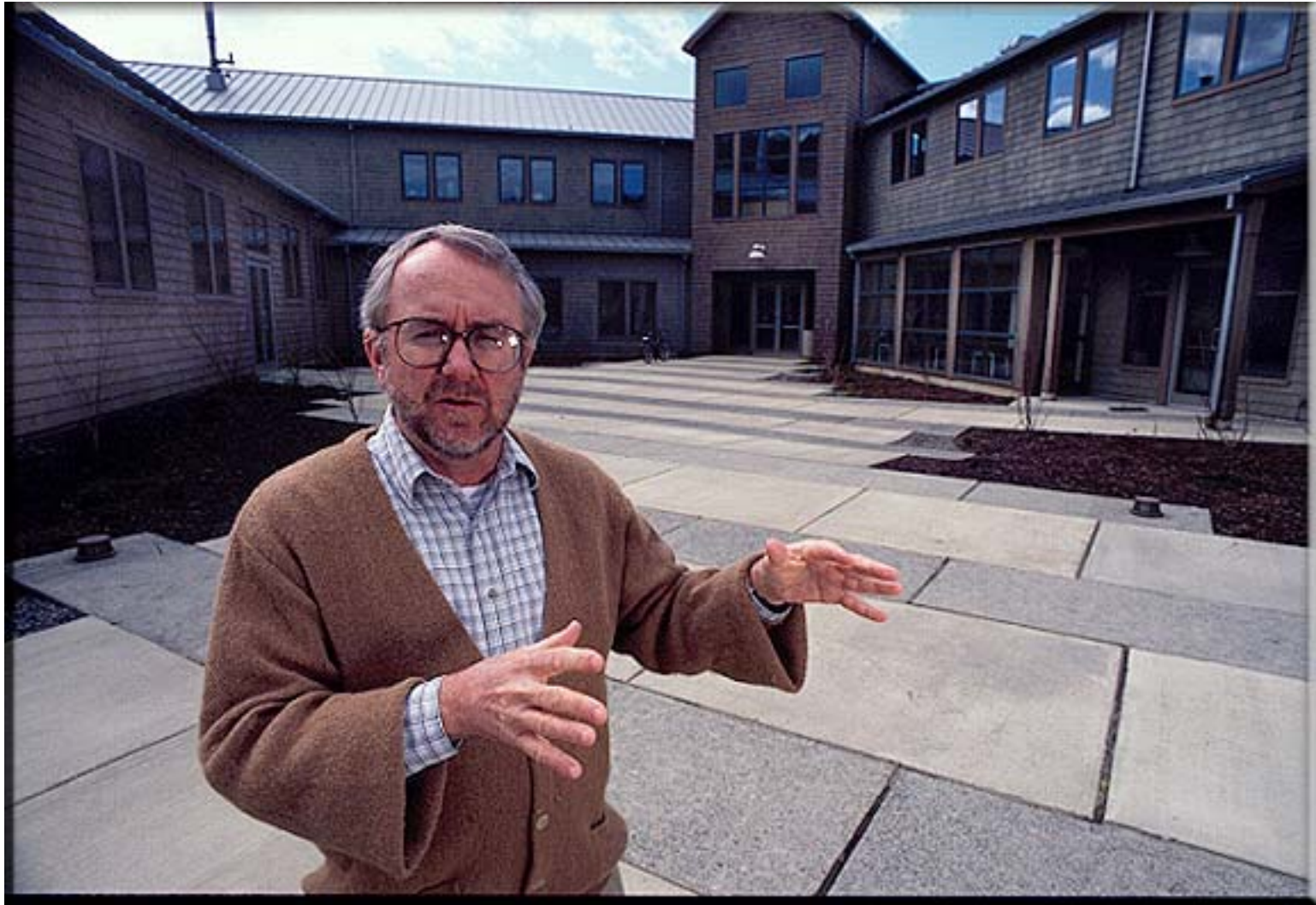


Scott Baker
Marine Mammal Institute



Markus Horning
Marine Mammal Institute

COMES - Astoria



COMES - Astoria

Seafood Research and Education Center



Jae Park
Seafood Science &
Surimi Education



Michael Morrissey
Value-Added
Products



Yi-Cheng Su
Seafood Microbiology
& Safety

COMES Staff & Students



COMES Signature Programs

- The Pacific Whiting Project, 1989-2005
- Marine Mammal Endowed Program
- OSU Surimi Research and Technology School
- Salmon and Marine Fisheries Ecology Initiative—Project CROOS
- Community Seafood Initiative
- Molluscan Broodstock Program



Community
Seafood
Initiative



COMES Coordination Functions

- OSU University Administration
- Industry and Communities (Advisory Board)
 - Strategic Plan (Faculty, Board and Partners)
 - Board Meetings
 - Ex: Nearshore White papers
- Shared staff
 - ODF&W (Dave Sampson)
 - Sea Grant (Susan Hanna)
- Partnerships and programs
 - Ex: Strategic nearshore research needs
- **But no explicit statewide coordinating role**

Linkage of Science and Management/Policy

- Strong Linkage via recognized problems/opportunities but not agency driven
- Public Management
 - Fisheries Utilization and Conservation
- Private Management
 - Fishing and aquaculture operations
 - Seafood processing

Data Collection and Sharing

- No overarching data collection/sharing responsibility
- Individual scientist or program driven

COMES Criteria for Setting Priorities

- Long Term
 - Consistent with Mission, Goals, and Strategic Plan
 - Deliberate Anticipation of long term needs (20 years)
 - Priority Staffing Process (Tenure Track faculty)
- Short Term
 - Strategic Plan
 - “Immediate problems and needs (1-5 years)
 - (individual research and education projects)

COMES Strengths

- Dual Utilization and Sustainability Mission
- Impact and Problem/Opportunity Driven
- Highly Interdisciplinary
- Cooperative and Collaborative
 - Strong partnerships
- Live in coastal communities
- Nationally/Internationally recognized faculty in their respective fields

COMES Weaknesses

- Greater dependence on federal and private funding/major state budget cuts
- Weak board turnover
- Weak coordination within OSU
- No formal planning and coordination with state agencies
 - Ad hoc