

Pacific
Sea
Grant
Advisory
Program

Inventory

**of Nontechnical Marine Resources,
Publications, and Audiovisual Materials**

**Published for Pacific Sea Grant Advisory Program
by Oregon State University
Extension Marine Advisory Program
A Land Grant / Sea Grant Cooperative
PASGAP 5 Revised May 1979**



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Corvallis, Oregon 97331
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Foreword

You are holding the third edition of a publication that since 1971 has served teachers, scholars, government workers, employees of industrial firms, fishers, and many others—mainly along the West Coast and in Hawaii, but also in a number of other states and in several foreign countries.

The Pacific Sea Grant Advisory Program (PASCAP) has published all three editions. The first two appeared in 1971 and 1972; with the second edition, this publication carried the series designation PASCAP 5.

The Pacific Sea Grant Advisory Program is an international venture in cooperative marine extension. The program grew out of the recognition that regional marine needs could best be met through regional approaches. PASCAP members work together to identify the needs of the Pacific marine community and to help meet those needs through communications media, talent sharing, and specialized projects.

PASCAP is funded by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, through the National Sea Grant Program, under Grant Number 04-7-158-44085. Current members include representatives from:

University of Alaska
University of British Columbia
University of California
University of Southern California
University of Hawaii
University of Idaho
Oregon State University
University of Washington

Objective. The objective of this publication remains modest: to provide a convenient, practical reference to nontechnical materials. Contributors have tried to be thorough, but despite their efforts, the *Inventory* is not comprehensive. No doubt some eligible materials are missing.

In general, entries have met these criteria:

- published or produced by, or available from, one of the PASCAP institutions;
- current and available when the *Inventory* was compiled; and
- intended for audiences that are not strictly scientific, but with broader, more general interests.

Format and use. The *Inventory* has three major sections: the Subject Index, which is alphabetical by subject; the Publications section, alphabetical by title; and the Audiovisual Materials section, also alphabetical by title.

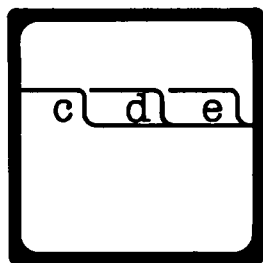
Sample entries from the Publications and Audiovisual Materials sections are explained on pages 22 and 35. You will note that every entry within a section follows the same format and that codes are used for audience level and source.

If you want information on a subject but do not know any specific titles, look under the appropriate subjects or subjects in the Subject Index, page 4, and find the title or titles of interest. The letter *p* following a title in the Subject Index refers you to the Publications section, page 22. The letters *av* following a title in the index refer you to the Audiovisual Materials section, page 35.

When you know the title, look it up in the appropriate section, Audiovisual Materials, page 35, or Publications, page 22, where titles are listed alphabetically, followed by short descriptions. To find where to write for information or materials, look up the mailing address code (the capital letters at the end of each entry) in the Mailing Addresses section, page 48, where the codes are listed alphabetically, each with a complete address.

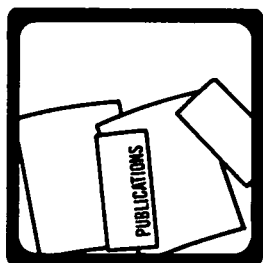
If you would like more information, look through the Other Sources section, page 49.

Contents

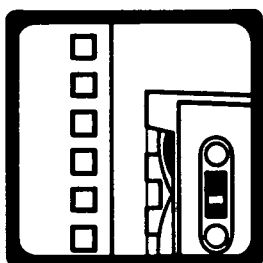


Foreword 2

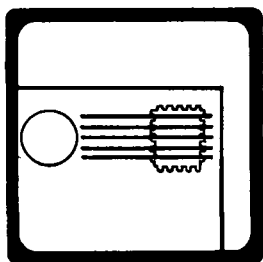
Subject Index 4



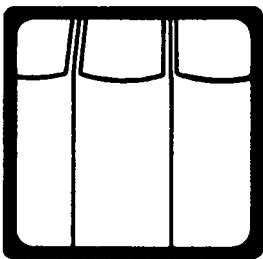
Publications 22



Audiovisual Materials 35



Mailing Addresses 48



Other Sources 49

Subject Index

a a

Accounting *see also* Marine business management

- Analyzing a new marine business *p*
- The basics of depreciation *p*
- Capital Construction Fund: What is it? *p*
- How to meet your Federal employer tax requirements *p*
- How to take the investment credit *p*
- Marine economics data sheets *p*
- Organizing and operating a fishery cooperative: Part 1, Part 2 *p*
- The tax aspects of disposing of business assets *p*

Activities *see also* Arts and crafts; Hobbies; Marine photography; Marine science—teaching aids

- Marine photography *p*
- Pressing algae *p*
- Watching whales *p*

Adaptation

- The biology of the oceanic Pacific *p*
- Marine animals of the open coast: A study of adaptation *av*
- Sea *av*
- Sea lions and fur seals *av*
- Strange partners: Symbiosis in the sea *av*
- Survival factor: Defense mechanisms in the sea *av*
- World in a marsh *av*

Alaska

- Construction and operation of the plumb staff beam trawl *p*
- Inside Passage *av*
- Safety notes for the North Pacific fisherman *p*
- Sea otters of Amchitka *av*
- Seal island *av*

Albacore *see* Tuna

Algae *see also* Seaweeds

- Algae *av*
- Identifying intertidal plants and animals *p*
- Pressing algae *p*
- Watch your step: Wet rocks and algae are slippery! *p*

Anatomy

- Anatomy of the dogfish *av*
- Crayfish anatomy *av*

Angling *see* Fishing, recreational

Animals *see* Marine animals

Anthropology

- Fish or cut bait *p*
- Man and the sea *p*
- Oregon fish fights *p*
- Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*
- Whaling *av*

Antarctic *see* Polar regions

Aquaculture

- Aquaculture in Southeast Asia: A historical overview *p*
- Big Beef Creek *av*
- Chum salmon hatchery rearing in Japan, in Washington *p*
- Clam rearing and management *av*
- Fish farming *av*
- Oyster farming *av*
- Oyster farming: Culturing, harvesting, and processing a product of the Pacific Coast area *p*
- Oysterman *av*
- Predator behavior in the shell-boring snail *av*
- Silvers for San Francisco Bay *av*
- To catch a trout *av*

Aquariums

- Carnival of the sea *av*
- Carnival under the sea *av*
- The home aquarium and its care *p*
- Marine and freshwater aquarium systems for tropical animals *p*

Arctic *see* Polar regions

Arts and crafts

- Gyotaku: Japanese fish printing *p*
- Identifying Oregon driftwood *p*
- Marine photography *p*

Asia

- Aquaculture in Southeast Asia: A historical overview *p*
- Chum salmon hatchery rearing in Japan, in Washington *p*
- Status of the precious coral industry in Japan, Taiwan, and Okinawa: 1970 *p*

Australia *see also* Great Barrier Reef

- Coral wonderland *av*
- Dangerous reef *av*
- Reef at Michaelmas Cay *av*

b b b b b b b b b b b b b b b b b b b b

Bait *see* Fish bait

Bass
Striped bass *p*

Bathymetry
Bathymetric contouring *p*
Bathymetric contouring—Astoria Canyon *p*
Bathymograph observations *av*
Continental shelf sediments off Oregon *p*
Measuring ocean depths *p*

Beachcombing *see also* Safety
Identifying Oregon driftwood *p*
Marine photography *p*
Planning a safe and productive field trip to the beach
p
Understanding tides *p*

Beaches *see* Coastal zone management; Marine animals;
Safety; Sand

Bioacoustics *see* Sounds, underwater

Biology *see* Marine biology; Oceanography, biological

Birds *see* Hobbies; Sea birds

Boatbuilding *see* Marine business management

Boating *see also* Safety; Ships and boats
Boating in coastal waters [Oregon] *p*
Join the wake watchers *p*
Marine atlas of Hawaii: Bays and harbors *p*
Marine sanitation devices . . . ins and outs for small
vessel owners *p*
Outboard motor maintenance tips *p*
Preventing decay in wood boats *p*
Recreational boat insurance *p*
Small craft warnings *av*
So you bought a boat! Practical tips for the mariner *p*
Storage batteries for boats *p*
Using multimeters on boats *p*
Weather to go boating! Hints on coastal boating in
southern California *p*

Boating industry
Boating industry management: Insights from a seminar
p

Boats *see* Ships and boats

Bottle-nose dolphins *see* Dolphins; Marine mammals;
Whales and whaling

Bottomfishing
Bottomfishing provides a pleasant change for Oregon
anglers *p*
Commercial bottom fishing *av*

Buying guides
Buying quality seafood *p*
Coming: The Wholesome Fish Act *p*
Guide for buying Oregon fish and shellfish *p*
How to eye and buy seafood *av*
Seafood facts and bargains *av*
Seafood wise *av*

Byproducts
Utilization and disposal of crab and shrimp wastes *p*

c c

Cable *see* Rope

California
California crab—A seafood favorite *p*
Drowning bay *av*
Introduction to intertidal plants and animals *av*
Major commercial fisheries in California *p*
Men at bay *av*
Pacific Coast tuna fleet *p*
Shark fishing: An added pleasure of the North Coast *p*
Silvers for San Francisco Bay *av*
Those Dungeness crab of the deep blue *av*
Tide pool life *av*
Upwelling in California coastal waters *p*
Weather to go boating! Hints on coastal boating in
southern California *p*
Whales *av*

Canada
Inside Passage *av*
Oysterman *av*
Salmon run *av*
Three fishermen *av*
Tides of Fundy *av*

Canning *see also* Seafood preparation; Seafood
preservation
Canning and freezing fish at home *p*
Canning and freezing fish at home *av*
Canning tuna and salmon at home *p*
Recipes for canned fish *p*
To can fish in glass jars *p*
To can fish in tin cans *p*

Capital Construction Fund *see* Marine business
management

Careers *see* Marine careers

- Caroline Islands**
Commercial potential of precious corals in the western Caroline Islands, Micronesia *p*
- Cartography** *see* California; Hawaii; Oregon; Pacific Northwest; Washington, State of
- Caviar**
Caviar and other fish roe products *p*
Fish eggs for caviar and bait *p*
- Cephalopods**
Catching, cleaning, and cooking squid *p*
Cephalopods: Cuttlefish, octopuses, squids *p*
Colorful cuttle *av*
Night of the squid *av*
- Cetaceans** *see* Marine mammals; Whales and whaling
- Clams**
Clam rearing and management *av*
Fossil mollusks of coastal Oregon *p*
Oregon's captivating clams *p*
Popular bay clam areas *p*
- Cleaning seafoods** *see specific seafood (e.g., Crab)*
- Coastal zone management** *see also* Marine resource management
Artificial reefs *av*
Beach: A river of sand *av*
Future management of the Oregon coast *p*
Marine resource management *p*
Oregon's ever-changing coastline *p*
Shoreline management *av (film)*
Shoreline management *av (slides)*
Shorelines management: The Washington experience *p*
Small craft warnings *av*
The vanishing beach *av*
- Cod**
Fishing partners *av*
- Coelenterates**
Starfish realm *av*
Stinging-celled animals: Coelenterates *av*
Tide pool life *av*
To catch a meal: Feeding in the sea *av*
- Columbia River**
Columbia River gillnetters *av*
Oregon fish fights *p*
Time of the first Moon *av*
- Commercial fishing** *see* Fishing, commercial
- Conservation** *see also* Marine resource management
A bird in the hand breaks the law of the land *p*
Don't bring 'em back . . . dead or alive! *p*
Rocky beach animals: A coloring book *p*
- Continental drift**
Continents adrift *av*
Deep sea drilling project *av*
Project Deep Probe *av*
- Continental shelf**
Continental shelf sediments off Oregon *p*
- Cooking** *see* Recipes; Seafood; Seafood preparation; Seafood preservation; Seafood processing
- Coral**
Behavior and ecology of coral reef *av*
Carnival of the sea *av*
Carnival under the sea *av*
Cloud over a coral reef *av*
Commercial potential of precious corals in the western Caroline Islands, Micronesia *p*
Coral wonderland *av*
Economics and market potential of the precious coral industry in Hawaii *p*
Great Barrier Reef *av*
Life of the coral reef *av*
Marine life *av*
Reef at Michaelmas Cay *av*
Status of the precious coral industry in Japan, Taiwan, and Okinawa: 1970 *p*
- Crab**
California crab—A seafood favorite *p*
Catching and cooking crabs *p*
Catching, cleaning, and cooking bay crabs *p*
Economics of the Dungeness crab industry *p*
Fishing for Dungeness crab *av*
Long-line (set-line) crab pot system *p*
Marine life *av*
Seafood processing *av*
Starfish realm *av*
Those Dungeness crab of the deep blue *av*
Utilization and disposal of crab and shrimp wastes *p*
- Crafts** *see* Arts and crafts
- Crayfish**
Crayfish anatomy *av*
- Crustaceans** *see* Clams; Crab; Crayfish; Lobsters; Mollusks; Mussels; Oysters; Shellfishing; Shrimp
- Currents** *see* Ocean currents
- Cuttlefish**
Cephalopods: Cuttlefish, octopuses, and squids *p*
Colorful cuttle *av*

d d

Decay, fungal

Preventing decay in wood boats *p*

Deep sea drilling *see also* Continental drift

Deep sea drilling project *av*
History, layer by layer *av*
Project Deep Probe *av*

Desalination

Bitter and the sweet *av*

Diving *see* Scuba diving

Dogfish

Anatomy of the dogfish *av*

Dolphins

Capture of a smile *av*

Drift bottles

A drift-bottle experiment using research vessel
[R/V *Yaquina*] data *p*
A drift-bottle experiment you can do *p*
Using drift bottles to measure ocean currents *p*

Driftwood

Identifying Oregon driftwood *p*

e e

Echinoderms

Echinoderms *av*
Sea urchin *av*
Starfish realm *av*

Ecology *see also* Oil spills; Pollution; Zonation

Beach and sea animals *av*
Behavior and ecology of coral reef *av*
Biology of estuarine animals *p*
Drowning bay *av*
Ecology of a tidal slough *av*
Florida Everglades *av*
Inside passage *av*
Isotopes in environmental control *av*
Life in the sea *av*
Man and the sea *p*
Men at bay *av*
Oregon's estuaries *av*
Oregon's nearshore ocean *p*
Plankton and the food chain *p*
Plankton: Pastures of the ocean *av*
Phytoplankton: Grass of the sea *p*
Polar ecology *av*
Reef at Michaelmas Cay *av*

Ecology (continued)

Sea *av*
Sea otters of Amchitka *av*
So you want to get involved *p*
Strange partners: Symbiosis in the sea *av*
Torrey Canyon disaster *av*
World in a marsh *av*

Economics *see also* Marine business management

Commercial potential of precious corals in the western
Caroline Islands, Micronesia *p*
Costs and earnings of tuna vessel in Hawaii *p*
Economics and market potential of the precious coral
industry in Hawaii *p*
Economics of the Dungeness crab industry *p*
Fishing business management and economic
information *p*
Impact of recreational fishing expenditures on the state
and local economies of Hawaii *p*
Marine cost sheet: 42-ft. swordfish boat *p*
Marine economics data sheets *p*
Observed and perceived impacts of distant water
fishing: Oregon otter trawl case *p*
Oregon's commercial fishermen: Characteristics,
profits, and incomes in 1972 *p*
Troubled waters: It's no fish story *av*

Education *see* Marine education

Eels

Electric eel *av*

Electronics *see* Marine electronics

Estuaries *see also* Seashore; Wetlands

Biology of estuarine animals *p*
Coastal estuaries *av*
Ecology of a tidal slough *av*
Hydrology *p*
Intertidal zonation *p*
Oregon's estuaries *av*
Oregon's estuaries: Descriptions and information
sources *p*
Tillamook Bay *av*
Tillamook Bay Task Force report *p*

Experiments *see* Drift bottles; Marine science—
teaching aids

f f

Finance *see* Marine business management

Fire at sea *see* Safety

First aid at sea *see* Medical care; Safety

Fish *see also* Fishes

- Being a bouillabaisse of fascinating facts about fish: The most-asked questions *p*
- Biography of a fish *av*
- Breath of life *av*
- Buying quality seafood *p*
- Canning tuna and salmon at home *p*
- Coming: The Wholesome Fish Act *p*
- Fish: Master of movement *av*
- Guide to buying Oregon fish and shellfish *p*
- What is a fish? *av*

Fish bait

- Fish eggs for caviar and bait *p*
- Preparing cluster egg baits from salmon and steelhead roe *p*

Fish hatcheries *see also* Aquaculture

- Chum salmon hatchery rearing in Japan, in Washington *p*
- To catch a trout *av*

Fish holds

- Cleaning and sanitizing fish holds *p*
- Plastic liners for fish holds *p*
- Plastics as a fish-hold lining material *p*
- Preventing decay in wood boats *p*

Fish pickling

- Fish pickling for home use *p*
- Mild curing, pickling, dry salting, and smoking salmon *p*
- Spiced and pickled seafoods *p*

Fish printing

- Gyotaku: Japanese fish printing *p*

Fish roe

- Caviar and other fish roe products *p*
- Fish eggs for caviar and bait *p*
- Preparing cluster egg baits from salmon and steelhead roe *p*

Fish salting *see also* Seafood preservation

- Mild curing, pickling, dry salting, and smoking salmon *p*
- To salt fish *p*

Fish smoking *see also* Seafood preservation

- Mild curing, pickling, dry salting, and smoking salmon *p*
- Smoked shark and shark jerky for home and trail *p*
- Smoking fish at home *p*

Fish spoilage *see also* Sanitation; Seafood handling

- Coming: The Wholesome Fish Act *p*
- Epidemiology of salmonellosis in man and animals *av*
- Handling and storing seafoods *av*
- Life begins at 40°F: How to use a seafood-handler's thermometer *p*
- Why fish spoil *p*

Fisheries *see also* Fishing, commercial; Fishing, recreational

- The biology of the oceanic Pacific *p*
- Ocean bounty *av*

Fisheries regulation

- Boldt decision: Impact and implementation *av*
- Coming: The Wholesome Fish Act *p*
- Fish or cut bait *p*
- Fishing success in a regulated commons *p*
- Marine resource laws and regulations *p*
- Time of the first Moon *av*
- Troubled waters: It's no fish story *av*
- Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*
- What is limited entry? *p*

Fisheries research

- Big Beef Creek *av*
- Fishing partners *av*
- Salmon research: Water pollution *av*

Fishers

- Columbia River gillnetters *av*
- First aid for fishermen *p*
- Fishing partners *av*
- Medical care for commercial fishermen *p*
- Oregon trawler *av*
- Oregon's commercial fishermen: Characteristics, profits and incomes in 1972 *p*
- Safety notes for the North Pacific fisherman *p*
- Three fishermen *av*
- Troubled waters: It's no fish story *av*

Fishery cooperatives

- Organizing and operating a fishery cooperative, Part 1, Part 2 *p*

Fishes *see also* Fish; Sharks; Tuna

- Anatomy of the dogfish *av*
- [Butterfly fish] Behavior and ecology of coral reef *av*
- Carnival under the sea *av*
- Checklist of Puget Sound fishes *p*
- Chum salmon hatchery rearing in Japan, in Washington *p*
- Electric eel *av*
- Embryonic development of a fish *av*
- Field guide to common marine and bay fishes of Oregon *p*

Fishes (continued)

- Field guide to the fish of Puget Sound and the Northwest coast *p*
 - Fish, Moon, and tides: The grunion story *av*
 - Fish out of water *av*
 - Life of the sockeye salmon *av*
 - Pacific salmon *p*
 - Salmon: Life cycle of the sockeye *av*
 - Salmon run *av*
 - Sea horse *av*
 - Silvers for San Francisco Bay *av*
 - Striped bass *p*
 - Structure and senses of fishes *p*
- Fishing** *see* Fishing, commercial; Fishing, recreational; Indian fishing rights
- Fishing business management** *see* Marine business management
- Fishing, commercial** *see also* Fish holds; Fishing gear, commercial; Marine business management
- Boldt decision: Impact and implementation *av*
 - Columbia River gillnetters *av*
 - Commercial bottom fishing *av*
 - Commercial fisheries in Oregon *av*
 - Construction and operation of the plumb staff beam trawl *p*
 - First aid for fishermen *p*
 - Fish and the seine net *av*
 - Fish or cut bait *p*
 - Fishing for Dungeness crab *av*
 - Fishing partners *av*
 - Granton trawler *av*
 - Incorporating a fishing business *p*
 - Major commercial fisheries in California *p*
 - Medical care for commercial fishermen *p*
 - Observed and perceived impacts of distant water fishing: Oregon otter trawl case *p*
 - Ocean fresh: The story of tuna packing in Hawaii *av*
 - Oregon fish fights *p*
 - Oregon trawler *av*
 - Oregon's commercial fishermen: Characteristics, profits, and incomes in 1972 *p*
 - Outboard motor maintenance tips *p*
 - Pacific coast tuna fleet *p*
 - Safety notes for the North Pacific fisherman *p*
 - Some ABC's of fo'c'sle living *p*
 - Storage of dressed salmon in refrigerated sea water *p*
 - Three fishermen *av*
 - Time of the first Moon *av*
 - Troubled waters: It's no fish story *av*
 - Tuna fishing *av*
 - Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*
 - What is limited entry? *p*

Fishing gear, commercial *see also* Nets; Rope; Trawling; Trolling

- Characteristics of rope used in the fishing industry *p*
- Cleaning and sanitizing fish holds *p*
- Construction and operation of the plumb staff beam trawl *p*
- Effective combination trawl for West Coast draggers: Atlantic and Western trawls *p*
- Fish and the seine net *av*
- Hydraulic fishing machinery systems for outboard-motor powered boats *p*
- Long-line (set-line) crab pot systems *p*
- Net mending and patching *p*
- Storage of dressed salmon in refrigerated sea water *p*

Fishing—history

- Fish or cut bait *p*
- Oregon fish fights *p*
- Pacific Coast tuna fleet *p*
- Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*

Fishing industry *see also* Marine business management

- Economics of the Dungeness crab industry *p*

Fishing methods *see* Nets; Seining; Trawling; Trolling

Fishing, recreational *see also* Fish bait; Seafood preparation; Shellfishing

- Artificial reefs *av*
- Bottomfishing provides a pleasant change for Oregon anglers *p*
- Catching and cooking crabs *p*
- Catching, cleaning, and cooking bay crabs *p*
- Checklist of Puget Sound fishes *p*
- Field guide to common marine and bay fishes of Oregon *p*
- Fish eggs for caviar and bait *p*
- Impact of recreational fishing expenditures on the state and local economies of Hawaii *p*
- Oregon's captivating clams *p*
- Outboard motor maintenance tips *p*
- Poke pole fishing *p*
- Preparing cluster egg baits from salmon and steelhead roe *p*
- Shark fishing: An added pleasure of the North Coast [California] *p*
- Silvers for San Francisco Bay *av*
- Sport fisherman's guide to holding and freezing fish *p*
- To catch a trout *av*

Florida

- Florida Everglades *av*

Food chains

- Epidemiology of salmonellosis in man and animals *av*
- Phytoplankton: Grass of the Sea *p*
- Plankton and the food chain *p*
- Plankton and the open sea *av*
- Plankton: The endless harvest *av*

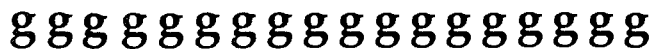
Fossils

- Fossil mollusks of coastal Oregon *p*

4-H activities *see* Marine science—teaching aids

Freezing seafood *see also* Seafood preservation

- Canning and freezing fish at home *p*
- Canning and freezing fish at home *av*
- Cutting and freezing salmon and steelhead at home *p*
- Freezing of fish to maintain quality *p*
- Freezing systems for seafood processors *p*
- Home freezing of seafood *p*
- Sport fisherman's guide to holding and freezing fish *p*
- To freeze fish *p*
- Tuna packing *av*



Galapagos Islands

- Aquatic locomotion *av*
- Marine iguana: Variations on a theme *av*

Geology *see* Continental drift; Continental shelf; Ocean floor; Ocean sediments; Oceanography, physical

Gillnetting

- Columbia River gillnetters *av*

Great Barrier Reef

- Coral wonderland *av*
- Great Barrier Reef *av*

Grunion

- Fish, Moon, and tides: The grunion story *av*
- Fish out of water *av*

Gyotaku *see* Fish printing



Hatcheries *see* Aquaculture

Hawaii

- Cloud over a coral reef *av*
- Costs and earnings of tuna vessels in Hawaii *p*
- Directory of marine-related activities in the State of Hawaii *p*

Hawaii (continued)

- Economics and market potential of the precious coral industry in Hawaii *p*
- E komo kai [Welcome to the ocean] *av*
- Impact of recreational fishing expenditures on the state and local economies of Hawaii *p*
- Makahiki Kai student workbook *p*
- Marine atlas of Hawaii: Bays and harbors *p*
- Ocean fresh: The story of tuna packing in Hawaii *av*
- University of Hawaii *av*

Hobbies

- Fossil mollusks of coastal Oregon *p*
- Gyotaku: Japanese fish printing *p*
- The home aquarium and its care *p*
- Identifying Oregon driftwood *p*
- Identifying seashore birds *p*
- Marine and freshwater aquarium systems for tropical animals *p*
- Marine photography *p*
- Pressing algae *p*

Home preparation of seafoods *see* Seafood preparation; Seafood preservation; Seafood processing

Hydra

- Stinging-celled animals: Coelenterates *av*

Hydrology *see* Water resources

Hypothermia

- Man in cold water *p*
- Survival in cold water *av*



Ichthyology *see* Fish; Marine biology

Idaho

- Atlas of the Pacific Northwest *p*

Indian fishing rights

- Boldt decision: Impact and implementation *av*
- Time of the first Moon *av*
- Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*

Inside passage, the

- Inside passage *av*

Intertidal life *see also* Ecology; Tide pools; Zonation

- Beach and sea animals *av*
- Between the tides *av*
- Identifying intertidal plants and animals *p*
- Intertidal zonation *p*
- Intertidal zone *av*

Intertidal life (continued)

- Introduction to intertidal plants and animals *av*
- Oregon's estuaries *av*
- Oregon's rocky intertidal life *av*
- Seaweeds at ebb tide *p*
- Tide pool life *av*

Invertebrates *see* Intertidal life; Marine invertebrates



Japan

- Chum salmon hatchery rearing in Japan, in Washington *p*
- Gyotaku: Japanese fish printing *p*
- Status of the precious coral industry in Japan, Taiwan, and Okinawa: 1970 *p*

Jellyfish

- Stinging-celled animals: Coelenterates *av*



Law of the sea

- Ocean land grab *av*

Laws and regulations

- A bird in the hand breaks the law of the land *p*
- Boldt decision: Impact and implementation *av*
- Coming: The Wholesome Fish Act *p*
- Fish or cut bait *p*
- Fishing success in a regulated commons *p*
- Future management of the Oregon coast *p*
- How to meet your Federal employer tax requirements *p*
- How to take the investment credit *p*
- Incorporating a fishing business *p*
- Internal Revenue Service and tax withholding *av*
- Investment credit in relation to taxes *av*
- Marine resource laws and regulations *p*
- Marine sanitation devices . . . ins and outs for small vessel owners *p*
- Medical care for commercial fishermen *p*
- Oregon fish fights *p*
- Organizing and operating a fishery cooperative: Part 1, Part 2 *p*
- Pacific Coast tuna fleet *p*
- Shoreline management *av (film)*
- Shoreline management *av (slides)*
- The tax aspects of disposing of business assets *p*
- Tax deductions *av*
- Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians *p*

Literature *see* Ocean in literature

Lobsters

- Suggestions for holding live American lobsters in tanks *p*

Locomotion

- Aquatic locomotion *av*
- Fish: Master of movement *av*



Mariculture *see* Aquaculture

Marine animals *see also* Fishes; Marine biology; Marine mammals; Sea birds; Seashore life; *and names of specific animals* (Bass, Crab, Crayfish, etc.)

- Aquatic locomotion *av*
- Beach and sea animals *av*
- Biology of estuarine animals *p*
- Biography of a fish *av*
- Blood circulation in marine animals *av*
- Breath of life *av*
- Carnival of the sea *av*
- Carnival under the sea *av*
- Cephalopods: Cuttlefish, octopuses, squids *p*
- Colorful cuttle *av*
- Great Barrier Reef *av*
- Homely mollusk: *Octopus vulgaris* *av*
- Identifying intertidal plants and animals *p*
- Intertidal zone *av*
- Introduction to intertidal plants and animals *av*
- Marine and freshwater aquarium systems for tropical animals *p*
- Marine animals *av*
- Marine animals of the open coast: A study of adaptation *av*
- Marine iguana: Variations on a theme *av*
- Marine life *av*
- Marine mammals *p*
- Mollusks: Snails, mussels, oysters, octopuses, and their relatives *av*
- Night of the squid *av*
- Sea horse *av*
- Sea urchin *av*
- Stinging-celled animals: Coelenterates *av*
- Strange partners: Symbiosis in the sea *av*
- Survival factor: Defense mechanisms in the sea *av*
- To catch a meal: Feeding in the sea *av*
- What is a fish? *av*

Marine business management *see also* Economics

- Analyzing a new marine business *p*
- The basics of depreciation *p*
- Boating industry management: Insights from a seminar *p*
- Capital Construction Fund: What is it? *p*

Marine business management (continued)

- Costs and earnings of tuna vessels in Hawaii *p*
- Decision making *av*
- Delicatessen fish products *p*
- Depreciation *av*
- Farm Credit System: A new source of fishery loans *p*
- Financial analysis *av*
- The fisherman as borrower *p*
- Fishing business management and economic information *p*
- How to meet your Federal employer tax requirements *p*
- How to take the investment credit *p*
- Incorporating a fishing business *p*
- Internal Revenue Service and tax withholding *av*
- Investment credit in relation to taxes *av*
- Marine cost sheet: 42-ft. swordfish boat *p*
- Marine economics data sheets *p*
- Operations manual for seafood retailers *p*
- Oregon's commercial fishermen: Characteristics, profits, and incomes in 1972 *p*
- Organizing and operating a fishery cooperative, Part 1, Part 2 *p*
- Profit: What is it? *av*
- Record keeping *av*
- Review of Professional Fishermen's Marine Economics Workshop *av*
- Risk in decision making *av*
- The tax aspects of disposing of business assets *p*
- Tax deductions *av*

Marine biology *see also* Adaptation; Algae; Aquaculture; Estuaries; Fishes; Intertidal life; Marine mammals; Zonation

- Anatomy of the dogfish *av*
- Aquatic locomotion *av*
- Attack patterns of sharks *av*
- Biology of estuarine animals *p*
- The biology of the oceanic Pacific *p*
- Blood circulation in marine animals *av*
- Breath of life *av*
- Cephalopods: Cuttlefish, octopuses, squids *p*
- Echinoderms *av*
- First many-celled animals: Sponges *av*
- Fish: Master of movement *av*
- Fossil mollusks of coastal Oregon *p*
- Homely mollusk: *Octopus vulgaris* *av*
- Intertidal zonation *p*
- Life in the sea *av*
- Marine animals of the open coast: A study of adaptation *av*
- Marine biology: An introduction to its problems and results *p*
- Marine iguana: Variations on a theme *av*
- Mollusca, reel 1 *av*

Marine biology (continued)

- Mollusks: Snails, mussels, oysters, octopuses, and their relatives *av*
- Octopus: The unique mollusk *av*
- Paralytic shellfish poisoning *p*
- Paralytic shellfish poisoning and red tides *p*
- Phytoplankton: Grass of the sea *p*
- Plankton and the open sea *av*
- Salmon research: Water pollution *av*
- Sea horse *av*
- Sea urchin *av*
- Sounds in the sea *av*
- Strange partners: Symbiosis in the sea *av*
- Structure and senses of fish *p*
- Survival factor: Defense mechanisms in the sea *av*
- To catch a meal: Feeding in the sea *av*
- Upwelling in California coastal waters *p*
- What is a fish? *av*

Marine careers

- Career opportunities in water resources *p*
- Careers in oceanography *p*
- Makahiki Kai student workbook *p*
- Marine careers *p*
- Marine resource management *p*
- Today's youth in tomorrow's sea *p*

Marine education *see also* Marine science—teaching aids; Water resources

- Advanced education in water resources at Oregon State University *p*
- Graduate studies in water resources: Oregon State University *p*
- Marine education bibliography *p*
- Marine resource management *p*
- School of Oceanography, Oregon State University *p*
- Secondary school instruction in biological oceanography *p*
- Today's youth in tomorrow's sea *p*

Marine electronics

- Storage batteries for boats *p*
- Using multimeters on boats *p*

Marine iguana

- Marine iguana: Variations on a theme *av*

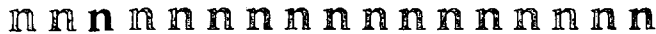
Marine invertebrates *see also* Cephalopods; Cuttlefish; Echinoderms; Intertidal life; Squid

- First many-celled animals: Sponges *av*
- Stinging-celled animals: Coelenterates *av*

- Marine mammals** *see also* Seals and sea lions; Whales and whaling
 Capture of a smile *av*
 Marine life *av*
 Marine mammals *p*
 Marine mammals *av*
 Marine mammals of the open coast: A study of adaptation *av*
 Sea otters of Amchitka *av*
- Marine photography**
 Marine photography *p*
- Marine and maritime history**
 Fish or cut bait *p*
 Oregon fish fights *p*
- Marine plants** *see also* Algae
 Identifying intertidal plants and animals *p*
 Intertidal zone *av*
 Introduction to intertidal plants and animals *av*
 Phytoplankton: Grass of the sea *p*
 Plankton and the food chain *p*
 Sampling plankton *p*
 Seaweeds *av*
 Seaweeds at ebb tide *p*
- Marine recreation** *see* Arts and crafts; Beachcombing; Boating; Fishing, recreational; Marine business management; Shellfishing
- Marine resource management** *see also* Fisheries regulation; Law of the sea; Laws and regulations; Pollution; Water resources
 Artificial reefs *av*
 Fishing success in a regulated commons *p*
 Future management of the Oregon coast *p*
 Man and the sea *p*
 Man: Linked in the hydrologic cycle *p*
 Marine resource laws and regulations *p*
 Marine resource management *p*
 Observed and perceived impacts of distant water fishing: Oregon otter trawl case *p*
 Oregon's estuaries: Descriptions and information sources *p*
 Shorelines management: The Washington experience *p*
 So you want to get involved *p*
 Tillamook Bay Task Force report *p*
 What is limited entry? *p*
- Marine science** *see specific science*: Oceanography—biological, chemical, or physical
- Marine science—teaching aids** *see also* Marine education
 Aquatic locomotion *av*
 Bathymetric contouring *p*
 Bathymetric contouring—Astoria Canyon *p*
- Marine science—teaching aids** (*continued*)
 Developing local 4-H marine science programs *p*
 A drift-bottle experiment using research vessel [R/V *Yaquina*] data *p*
 A drift-bottle experiment you can do *p*
 4-H ocean adventures: Leader's guide and member's book *p*
 Gyotaku: Japanese fish printing *p*
 Identifying Oregon driftwood *p*
 Makahiki Kai student workbook *p*
 Measuring ocean depths *p*
 Ocean currents *p*
 Places of interest to visit and see on the Oregon coast *p*
 Plankton and the food chain *p*
 Planning a safe and productive field trip to the beach *p*
 Pressing algae *p*
 Sampling plankton *p*
 Sediment contouring—Astoria Canyon [Oregon coast] *p*
 Sediment plotting and contouring—Cape Blanco to Cape Sebastian [Oregon coast] *p*
 Sharks: An annotated list of selected references *p*
 Using drift bottles to measure ocean currents *p*
- Marine transportation** *see also* Ports and harbors
 Barge building *av*
 Marine transportation *av*
 Rebuilding of a port *av*
- Maritime commerce** *See* Marine transportation; Ports and harbors
- Medical care**
 First aid for fishermen *p*
 Man in cold water *p*
 Medical care for commercial fishermen *p*
 Safety notes for the North Pacific fisherman *p*
 Survival in cold water *av*
- Micronesia**
 Commercial potential of precious corals in the western Caroline Islands, Micronesia *p*
- Mixing** *see* Ocean currents; Ocean temperature; Oceanography, physical
- Mollusks** *see also* Clams, Mussels, Oysters
 Fossil mollusks of coastal Oregon *p*
 Homely mollusk: *Octopus vulgaris* *av*
 Mollusca, reel 1 *av*
 Mollusks: Snails, mussels, oysters, octopuses, and their relatives *av*
 Octopus: The unique mollusk *av*
 Predator behavior in the shell-boring snail *av*

Mussels

- Mussel specialist *av*
- Tide pool life *av*



Nets

- Columbia River gillnetters *av*
- Fish and the seine net *av*
- Net mending and patching *p*
- Oregon trawler *av*

New Caledonia

- Carnival under the sea *av*

Northwest see Pacific Northwest

Norway

- Ocean bounty *av*

Nudibranchs

- Mollusca, reel 1 *av*



Ocean

- Boating in coastal waters [Oregon] *p*
- Challenge of the oceans *av*
- Conquering the sea *av*
- Oregon's nearshore ocean *p*
- Restless sea *av*
- Sea *av*

Ocean currents see also Ocean tides; Upwelling

- A drift-bottle experiment using research vessel [R/V *Yaquina*] data *p*
- A drift-bottle experiment you can do *p*
- Isotopes in environmental control *av*
- Ocean currents *p*
- Ocean currents *av*
- Restless sea *av*
- Science of the sea *av*
- Tracing ocean currents *p*
- Turbulent ocean *av*
- Upwelling in California coastal waters *p*
- Using drift bottles to measure ocean currents *p*

Ocean exploration see Ocean; Oceanography—research; Voyages

Ocean floor see also Deep sea drilling; Ocean sediments

- Continental shelf sediments off Oregon *p*
- Isotopes in environmental control *av*
- Measuring ocean depths *p*
- Science of the sea *av*

Ocean in literature

- Literature and the sea *p*

Ocean, nearshore see also Beaches; Upwelling

- Boating in coastal waters [Oregon] *p*
- Oregon's ever-changing coastline *p*
- Oregon's nearshore ocean *p*
- Upwelling in California coastal waters *p*

Ocean sediments see also Ocean floor

- Continental shelf sediments off Oregon *p*
- History, layer by layer *av*
- Project Deep Probe *av*
- Sediment contouring—Astoria Canyon [Oregon coast] *p*
- Sediment plotting and contouring—Cape Blanco to Cape Sebastian [Oregon coast] *p*

Ocean temperature

- Bathythermograph observations *p*
- Occupying an oceanographic station *av*
- Using satellite photos to locate [ocean] temperature fronts *p*

Ocean tides

- Ocean tides *av*
- Ocean tides: Bay of Fundy *av*
- Oceanography and the Puget Sound model *av*
- Restless sea *av*
- Tide prints: Surface tidal currents in Puget Sound *p*
- Tides of the ocean *av*
- Understanding tides *p*
- Washington tides *p*

Ocean waves

- Breaking waves *av*
- Restless sea *av*
- Ripple tank wave phenomena I: Reflection, refraction and dispersion *av*
- Schlieren imaging of acoustic waves *av*
- Wave and surf action *av*
- Waves across the Pacific *av*
- Waves in fluids *av*
- Waves on water *av*

Oceanographic research see also Bathymetry

- Challenge of the oceans *av*
- Conquering the sea *av*
- Fishing partners *av*
- Flying at the bottom of the sea *av*
- History, layer by layer *av*
- Hunters of the reef *av*

Oceanographic research (continued)

- Occupying an oceanographic station *av*
- Oceanographers in the polar regions *av*
- Oceanography and the Puget Sound model *av*
- Project Deep Probe *av*
- Research vessels *av*
- Ripple tank wave phenomena I: Reflection, refraction and dispersion *av*
- Science of the sea *av*
- Sea *av*
- Turbulent ocean *av*
- Vermillion Sea expedition: Hydrographic work *av*
- Waves across the Pacific *av*
- Waves in fluids *av*
- Waves on water *av*

Oceanography *see also specific marine sciences*

- The biology of the oceanic Pacific *p*
- Careers in oceanography *p*
- Occupying an oceanographic station *av*
- Oceanographers in the polar regions *av*
- Oceanography and the Puget Sound model *av*
- Research vessels *av*
- The restless sea *av*
- Science of the sea *av*
- School of Oceanography, Oregon State University *p*

Oceanography, biological *see also Marine biology*

- The biology of the oceanic Pacific *p*
- Fossil mollusks of coastal Oregon *p*
- Marine biology: An introduction to its problems and results *p*
- Secondary school instruction in biological oceanography *p*

Oceanography—careers *see Marine careers*

Oceanography, chemical

- Bitter and the sweet *av*
- Occupying an oceanographic station *av*
- Science of the sea *av*

Oceanography—education

- School of Oceanography, Oregon State University *p*
- Secondary school instruction in biological oceanography *p*
- Today's youth in tomorrow's sea *p*
- University of Hawaii *av*

Oceanography, physical *see also Ocean waves*

- Bathythermograph observations *av*
- Beach: A river of sand *av*
- Continental shelf sediments off Oregon *p*
- Continents adrift *av*
- Deep sea drilling project *av*
- History, layer by layer *av*
- Ocean currents *p*

Oceanography, physical (continued)

- Oregon's ever-changing coastline *p*
- Oregon's nearshore ocean *p*
- Project Deep Probe *av*
- Ripple tank wave phenomena I: Reflection, refraction and dispersion *av*
- Schlieren imaging of acoustic waves *av*
- Tracing ocean currents *p*
- Upwelling in California coastal waters *p*
- Using satellite photos to locate [ocean] temperature fronts *p*
- Vermillion Sea expedition: Hydrographic work *av*
- Waves across the Pacific *av*
- Waves in fluids *av*
- Waves on water *av*

Oceanography—teaching aids *see Marine science—teaching aids*

Octopuses *see also Mollusks*

- Cephalopods: Cuttlefish, octopuses, squids *p*
- Homely mollusk: *Octopus vulgaris* *av*
- Marine life *av*
- Octopus: The unique mollusk *av*
- Starfish realm *av*
- To catch a meal: Feeding in the sea *av*

Oil spills

- Isotopes in environmental control *av*
- Oil on Washington waters *av*
- Torrey Canyon disaster *av*

Oregon *see also Columbia River*

- Atlas of the Pacific Northwest *p*
- Boating in coastal waters [Oregon] *p*
- Bottomfishing provides a pleasant change for Oregon anglers *p*
- Coastal birds of Oregon *av*
- Commercial bottom fishing *av*
- Commercial fisheries in Oregon *av*
- Continental shelf sediments off Oregon *p*
- Economics of the Dungeness crab industry *p*
- Field guide to common marine and bay fishes of Oregon *p*
- Fish or cut bait *p*
- Fishing for Dungeness crab *av*
- Fossil mollusks of coastal Oregon *p*
- Future management of the Oregon coast *p*
- Guide for buying Oregon fish and shellfish *p*
- Identifying Oregon driftwood *p*
- Marine mammals *av*
- Observed and perceived impacts of distant water trawling: Oregon otter trawl case *p*
- Oregon fish fights *p*
- Oregon trawler *av*
- Oregon's captivating clams *p*

Oregon (continued)

- Oregon's commercial fishermen: Characteristics, profits, and incomes in 1972 *p*
- Oregon's estuaries *av*
- Oregon's estuaries: Descriptions and information sources *p*
- Oregon's ever-changing coastline *p*
- Oregon's nearshore ocean *p*
- Oregon's rocky intertidal life *av*
- Oyster farming *av*
- Places of interest to visit and see on the Oregon coast *p*
- Pollution in paradise *av*
- Popular bay clam areas *p*
- Sea Grant: A report on recent accomplishments [Oregon] *p*
- Sediment contouring—Astoria Canyon [Oregon coast] *p*
- Sediment plotting and contouring—Cape Blanco to Cape Sebastian [Oregon coast] *p*
- They share the sea *av*
- Tillamook Bay *av*
- Tillamook Bay Task Force report *p*

Oregon State University

- Advanced education in water resources at Oregon State University *p*
- Graduate studies in water resources at Oregon State University *p*
- Marine resource management *p*
- School of Oceanography, Oregon State University *p*
- Sea Grant: A report on recent accomplishments [Oregon] *p*

Otters see Sea otters

Oysters see also Mollusks

- Development of improved techniques for shucking Pacific oysters *p*
- Oyster farming *av*
- Oyster farming: Culturing, harvesting, and processing a product of the Pacific Coast area *p*
- Oysterman *av*
- Predator behavior in the shell-boring snail *av*

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Pacific Coast

- Field guide to common marine and bay fishes of Oregon *p*
- Field guide to the fish of Puget Sound and the Northwest coast *p*
- Oregon's nearshore ocean *p*
- Pacific coast tuna fleet *p*

Pacific Northwest

- Atlas of the Pacific Northwest *p*
- Pollution in paradise *av*
- Salmon: Life cycle of the sockeye *av*

Pacific Ocean

- Atlas of the Pacific Northwest *p*
- The biology of the oceanic Pacific *p*
- Safety notes for the North Pacific fisherman *p*
- Waves across the Pacific *av*

Phytoplankton see Plankton

Pinnipeds see Marine mammals; Seals and sea lions

Plankton

- Life in the sea *av*
- Phytoplankton: Grass of the sea *p*
- Plankton and the food chain *p*
- Plankton and the open sea *av*
- Plankton: The endless harvest *av*
- Plankton: Pastures of the ocean *av*
- Sampling plankton *p*

Pleasure boating see Boating; Safety

Poisoning see also Salmon poisoning; Shellfish poisoning, paralytic

- Epidemiology of salmonellosis in man and animals *av*
- Mercury in seafood *p*

Polar regions

- Oceanographers in the polar regions *av*
- Polar ecology *av*

Pollution see also Ecology; Marine resource management; Oil spills

- Cloud over a coral reef *av*
- Drowning bay *av*
- Isotopes in environmental control *av*
- Marine sanitation devices . . . ins and outs for small vessels *p*
- Men at bay *av*
- Pollution in paradise *av*
- Salmon research: Water pollution *av*
- Water resources management and public policy *p*

Poriferans see Sponges

Porpoises see Marine mammals; Whales and whaling

Ports and harbors see also Marine transportation

- Rebuilding of a port *av*
- Small craft warnings *av*
- Tillamook Bay *av*
- Tillamook Bay Task Force report *p*

Salmon, sockeye

- Life of the sockeye salmon *av*
- Salmon: Life cycle of the sockeye *av*
- Salmon run *av*

Salmonellosis

- Epidemiology of salmonellosis in man and animals *av*

San Francisco Bay region

- Drowning bay *av*
- Men at bay *av*
- Silvers for San Francisco Bay *av*

Sand

- Beach: a river of sand *av*
- Isotopes in environmental control *av*
- Oregon's ever-changing coastline *p*
- The vanishing beach *av*

Sand dollars

- Echinoderms *av*

Sanitation *see also* Fish spoilage; Seafood handling; Shellfish poisoning, paralytic

- Cleaning and sanitizing agents for seafood processing plants *p*
- Cleaning and sanitizing fish holds *p*
- Epidemiology of salmonellosis in man and animals *av*
- Fish plant sanitation and cleaning procedures *p*
- Marine sanitation devices . . . ins and outs for small vessel owners *p*
- Mercury in seafood *p*
- Plastic fish liners for fish holds *p*
- Plastics as a fish-hold lining material *p*

Scuba diving

- Scuba safety *p*

Sea birds

- Between the tides *av*
- A bird in the hand breaks the law of the land *p*
- Coastal birds of Oregon *av*
- Great Barrier Reef *av*
- Identifying seashore birds *p*
- Mussel specialist *av*

Sea Grant Program

- Sea Grant: A report on recent accomplishments [Oregon] *p*
- They share the sea *av*

Sea horses

- Sea horse *av*
- To catch a meal: Feeding in the sea *av*

Sea otters *see also* Marine mammals

- Sea otters of Amchitka *av*

Sea urchins *see also* Echinoderms

- Marine life *av*
- Sea urchin *av*
- Tide pool life *av*

Seafloor spreading *see* Continental drift**Seafood *see also* Caviar; Fish; Fish roe; Fishing, commercial; Fishing, recreational; Seafood handling; Seafood preservation; Seafood processing; Shellfishing**

- Buying quality seafood *p*
- Caviar and other fish roe products *p*
- Coming: The Wholesome Fish Act *p*
- Delicatessen fish products *p*
- Guide to buying Oregon fish and shellfish *p*
- How to eye and buy seafood *av*
- Seafood facts and bargains *av*
- Those Dungeness crab of the deep blue *av*

Seafood handling *see also* Fish holds; Fish spoilage

- Coming: The Wholesome Fish Act *p*
- Handling and storing seafoods *av*
- Life begins at 40°F: How to use a seafood-handler's thermometer *p*
- Mercury in seafood *p*
- Ocean bounty *av*
- Operations manual for seafood retailers *p*
- Storage of dressed salmon in refrigerated sea water *p*
- Suggestions for holding live American lobsters in tanks *p*

Seafood preparation *see also* Seafood preservation

- Buying quality seafood *p*
- Catching and cooking crabs *p*
- Catching, cleaning, and cooking bay crabs *p*
- Catching, cleaning, and cooking squid *p*
- Cutting and freezing salmon and steelhead at home *p*
- Fish and shellfish over the coals *p*
- Fish pickling for home use *p*
- Mild curing, pickling, dry salting, and smoking salmon *p*
- Oregon's captivating clams *p*
- Preparation of shark and skate *p*
- Quick and easy ways with salmon *p*
- Recipes for canned fish *p*
- Smoked shark and shark jerky for home and trail *p*
- Smoking fish at home *p*
- Those Dungeness crab of the deep blue *av*

Seafood preservation *see also* Canning; Fish pickling; Fish salting; Fish smoking; Freezing seafood; Salmonellosis

- Cutting and freezing salmon and steelhead at home *p*
- Sport fishermen's guide to holding and freezing fish *p*

Seafood processing *see also* **Byproducts**

- Cleaning and sanitizing agents for seafood processing plants *p*
- Delicatessen fish products *p*
- Development of improved techniques for shucking Pacific oysters *p*
- Fish plant sanitation and cleaning procedures *p*
- Freezing systems for seafood processors *p*
- Mercury in seafood *p*
- Ocean fresh: The story of tuna packing in Hawaii *av*
- Operations manual for seafood retailers *p*
- Seafood processing *av*
- Tuna packing *av*

Seals and sea lions *see also* **Marine mammals**

- Dangerous reef *av*
- Northern elephant seal *av*
- Sea lions and fur seals *av*
- Seal island *av*

Seashore *see also* **Seashore life**

- Beach: A river of sand *av*
- Ecology of a tidal slough *av*
- Seaweeds at ebb tide *p*
- Watch your step: Wet rocks and algae are slippery! *p*

Seashore life *see also* **Intertidal life; Marine animals; Marine biology; Marine mammals; Seaweed; Tide pools**

- Between the tides *av*
- Rocky beach animals: A coloring book *p*

Sea water *see* **Oceanography, chemical**

Seaweed

- Identifying intertidal plants and animals *p*
- Restless sea *av*
- Seaweeds *av*
- Seaweeds at ebb tide *p*

Sediments *see* **Ocean sediments**

Seining

- Fish and the seine net *av*
- Net mending and patching *p*
- Pacific Coast tuna fleet *p*

Sharks

- Anatomy of the dogfish *av*
- Attack patterns of sharks *av*
- Preparation of shark and skate *p*
- Shark fishing: An added pleasure of the North Coast [California] *p*
- Sharks: An annotated list of selected references *p*
- Smoked shark and shark jerky for home and trail *p*

Shellfish poisoning, paralytic

- Paralytic shellfish poisoning *p*
- Paralytic shellfish poisoning and red tides *p*
- Shellfish and the red tide *p*

Shellfishing *see* **Clams; Crab; Crustaceans; Mussels; Oysters; Shellfish poisoning, paralytic**

Shipping *see* **Marine transportation; Ports and harbors**

Ships and boats *see also* **Boating; Fishing fleets**

- Barge building *av*
- Marine cost sheet: 42-ft. swordfish boat *p*
- Marine economics data sheets *p*
- Preventing decay in wood boats *p*
- Research vessels *av*
- Waves across the Pacific *av*

Shrimp

- Utilization and disposal of crab and shrimp wastes *p*

Skate

- Preparation of shark and skate *p*

Snails *see also* **Mollusks**

- Mollusca, reel 1 *av*
- Predator behavior in the shell-boring snail *av*

Sound, underwater

- Schlieren imaging of acoustic waves *av*
- Sounds in the sea *av*

Southeast Asia

- Aquaculture in Southeast Asia: A historical overview *p*

Sponges

- First many-celled animals: Sponges *av*

Sportfishing *see* **Fishing, recreational**

Squid

- Catching, cleaning, and cooking squid *p*
- Cephalopods: Cuttlefish, octopuses, squids *p*
- Mollusca, reel 1 *av*
- Night of the squid *av*

Starfish

- Carnival under the sea *av*
- Echinoderms *av*
- Starfish realm *av*

Steelhead

- Boldt decision: Impact and implementation *av*
- Cutting and freezing salmon and steelhead at home *p*
- Preparing cluster egg baits from salmon and steelhead roe *p*

Water resources *see also* Hydrology; Marine resource management
 Advanced education in water resources at Oregon State University *p*
 Bitter and the sweet *av*
 Career opportunities in water resources *p*
 Graduate studies in water resources at Oregon State University *p*
 Graduate studies in water resources: Universities Council on Water Resources *p*
 Hydrology *p*
 Man: Linked in the hydrologic cycle *p*
 Water resources management and public policy *p*

Waves *see* Ocean waves

Weather

Using satellite photos to locate [ocean] temperature fronts *p*
 Weather to go boating! Hints on coastal boating in southern California *p*

Wetlands

Ecology of a tidal slough *av*
 Identifying intertidal plants and animals *p*
 Intertidal zonation *p*
 World in a marsh *av*

Whales and whaling *see also* Marine mammals

Gray whales *p*
 Watching whales *p*
 Whaling *av*
 Whales *av*

World fisheries *see also* Fisheries

Seafood facts and bargains *av*

Z Z

Zonation

Between the tides *av*
 Identifying intertidal plants and animals *p*
 Intertidal zonation *p*
 Intertidal zone *av*
 Introduction to intertidal plants and animals *av*
 Marine mammals of the open coast: A study of adaptation *av*
 Oregon's rocky intertidal life *av*

Zooplankton *see* Plankton

Publications

This section of the *Inventory* lists and describes publications available from participating sources. These are listed alphabetically by title. Each entry lists descriptive information in this order:

- title
- author
- publication year
- description
- code indicating level of difficulty
- code indicating source(s)
- series number, if any (in parentheses)
- price (for a single copy)
- special notes, if any

The sample entry (right) illustrates this standard format. When one or another descriptor is missing, the source did not provide it. Information may vary when more than one source offers a publication. In this situation, the variable data appear immediately after the source code.

Difficulty-level (or intended-audience) codes have mostly been supplied by the sources:

- k* kindergarten and preschool
- p* primary (grades 1 to 3)
- i* intermediate (grades 4 to 6)
- j* junior high (grades 7 to 9)
- h* senior high (grades 10 to 12)
- c* college
- y* juvenile or youth
- a* adult, nontechnical
- s* adult, semitechnical

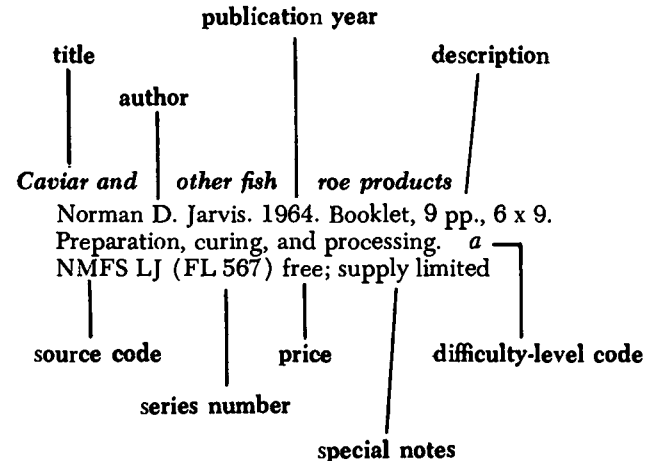
You will find the source codes explained on page 48, with a mailing address for each one.

Prices indicated are for single copies only. If no cost is indicated, or if you want information about quantity sales, write to the source indicated.

Publications listed were in stock at the time this *Inventory* was compiled. Keep in mind, however, that publications may go out of print and that price information may change.

Special information. Oregon State University publications: with few exceptions, single copies of Agricultural Experiment Station and Extension Service publications are free to Oregon residents and to research workers. Nonresidents should obtain information about prices by writing to the source indicated by the mailing-address code.

University of Washington publications: purchases by Washington residents are subject to sales-tax laws of that state.



a a

Advanced education in water resources at Oregon State University
Water Resources Research Institute. 1974. Booklet, 9 pp., 8½ x 11. Courses available. *a*
OSU WRRRI free

Analyzing a new marine business
Frederick J. Smith. 1976. Booklet, 8 pp., 8½ x 11. Objectives—and resources to meet them; assessing your own resources; financial projections; profit and loss; cash flow; net worth; making your decision. Five-year projections (tables) for 3 businesses: charter fishing, baitfish aquaculture, commercial fishing. *a*
OSU BC (SG 34) free

Aquaculture in Southeast Asia: A historical overview
Shao-Wen Ling. 1977. Book. History, origin, progression, present status, current trends and problems. Illustrated. *h-c-s*
UW UWP cloth (ISBN 0-295-95560) \$19.50
UW UWP paper (ISBN 0-295-95563-5) \$7.50

Atlas of the Pacific Northwest

Richard Highsmith, Jr., ed. 5th ed., 1974. Book, 136 pp., 8½ x 11. Summary of resources and development of Oregon, Idaho, and Washington. Authors are regional specialists in geography, economics, history. Maps, graphs, photos, charts. *h-a-s*
OSU UP (0-87071-407-4) \$13.50 cloth
OSU UP (0-87071-406-6) \$7.50 paper

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The basics of depreciation

John L. Ball. 1976. Booklet, 4 pp., 8½ x 11. Condensed outline of IRS rules: depreciation, "basis" of property, computing methods. Glossary. *a*
OSU BC (SG 36) free

Bathymetric contouring

David F. Gosser. 1975. Folder, 4 pp., 8½ x 11. Classroom or 4-H exercise. Maps. *y*
OSU MSC (MSET) free

Bathymetric contouring—Astoria canyon

David F. Gosser. 1975. Folder, 4 pp., 8½ x 11. Classroom or 4-H exercise, keyed to sea floor off mouth of Columbia River. Maps. *y*
OSU MSC (MSET) free

Being a bouillabaisse of fascinating facts about fish: The most-asked questions

Reprinted 1973. Booklet, 8 pp., 11½ x 9. Drawings. *y-a*
NMFS LJ free

Biology of estuarine animals

J. Green. 1968. Book, 411 pp. Structure and dynamics of estuaries: salinity and other chemical factors, vegetation, fauna, plankton, macrobenthos, fish, birds, parasites and epibionts, food web, freshwater and terrestrial components of estuaries. 100+ drawings. *s*
UW UWP \$9.50

The biology of the oceanic Pacific

Charles Miller, ed. 1974. Book, 160 pp., 6 x 9. Proceedings of OSU's 33rd Biology Colloquium: nature and control of oceanic ecosystems, pelagic and benthic communities, fishery potential, biochemical adaptations, assessment of 100 years of Pacific oceanography. Photos, charts, graphs. *s*
OSU UP (0-87071-172-5) \$7.00 cloth

A bird in the hand breaks the law of the land

OSU Extension Service, Sea Grant Marine Advisory Program. 1977. Poster, 8½ x 11. Dramatizes fact that virtually all wild birds are protected by law. Federal permits are necessary. *i-h-a*
OSU BC (SG 40) free

Boating in coastal waters

Oregon State Marine Board and OSU Extension Service, Sea Grant Marine Advisory Program. Booklet, 52 pp., 8½ x 11. Aerial photos, notes, and maps keyed to danger areas, for 20 Oregon coastal rivers and bays. Storm warnings and signals, aids to navigation, Coast Guard data, safety equipment. *h-a*
OSU EB (Manual 3) \$1.00

Boating industry management: Insights from a seminar

Susan H. Anderson, ed. 1977. Booklet, 12 pp., 6 x 9. Problems faced by California businesses that deal with marine industry: how to get money out of banks; alternative financing for capital acquisition; accounting as a management tool; practical problems in marine insurance; marketing and advertising; potential legal liabilities; delegating responsibility for more effective management. *a*
USC SG (USC-SG-AS1-77) free

Bottomfishing provides a pleasant change for Oregon anglers

Paul Heikkila. Revised 1979. Fact sheet, 8½ x 11. Methods and species. Diagrams of gear, technique, some species. *a*
OSU BC (SG 14) free

Buying quality seafood

Robert J. Price. 1977. Fact sheet, 8½ x 11. How to select high-quality seafoods. *h-c-a*
UC MAP (MB 11) free

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California crab—A seafood favorite

Ruth Crawford. 1978. Leaflet, 8½ x 11. Preparation and recipes. *h-a*
UC MAP (2411) free

Canning and freezing fish at home

Christine Groppe and Ruth Crawford, revised 1977 by George K. York. Leaflet, 8½ x 11. *h-a*
UC MAP (2425) free

Canning tuna and salmon at home

Food and nutrition specialists, Oregon State University. Revised 1973. Fact sheet, 8½ x 11. *a*
OSU BC (FS 21) free

Capital Construction Fund: What is it?

Marine Advisory-Extension Service, Humboldt State University. 1973. Folder, 4 pp., 8½ x 11. How CCF operates; who is eligible; deposits and withdrawals. Tables. *a*
HSU MAES free; supply limited

Career opportunities in water resources

Universities Council on Water Resources. 1973. Booklet, 10 pp., 6 x 8. Hydrologic cycle; special demands on the individual. Photos. *a*
OSU WRRRI free

Careers in oceanography

Victor T. Neal. Revised 1976. Booklet, 8 pp., 4 x 8½. Employment outlook, working conditions, preparation for careers. *y-a*
OSU SO free

Catching and cooking crabs

Christopher Dewees and Jon K. Hooper. 1974. Fact sheet, 8½ x 11. Methods. Drawing. *y-a*
UC DAS (AXT-445-4/2546) free

Catching, cleaning, and cooking bay crabs

Jay B. Long. Reprinted 1974. Booklet, 12 pp., 8½ x 11. Photos, drawings. *a*
OSU BC (SG 30) free

Catching, cleaning, and cooking squid

Mildred Townsend, Christopher Dewees, and Robert J. Price. Fact sheet, 8½ x 11. Methods. *h-y-a*
UC MAP (MB 3) free

Caviar and other fish roe products

Norman D. Jarvis. 1964. Booklet, 9 pp., 6 x 9. Preparation, curing, and processing. *a*
NMFS LJ (FL 567) free; supply limited

Cephalopods: Cuttlefish, octopuses, squids

Lola T. Dees. 1961. Booklet, 10 pp., 10½ x 8. Brief life histories; uses. Photos. *a*
NMFS LJ (FL 524) free

Characteristics of rope used in the fishing industry

Bruce Wyatt and Christopher M. Dewees. 1976. Leaflet, 8½ x 11. Types and uses. *a*
UC MAP free

Checklist of Puget Sound fishes

Allan C. DeLacy, Bruce S. Miller, and Steven F. Borton. 1972. Paperback, 43 pp., 8½ x 11. Data on distribution of 211 species; indicates frequency with which a species has been reported in 12 areas of the sound. Index to common names. Maps, charts. *a*
UW DMR (WSG 72-3) \$.50 handling charge

Chum salmon hatchery rearing in Japan, in Washington

Stephen B. Mathews and Harry G. Senn. 1975. Booklet, 24 pp., 8½ x 11. Surveys and compares Japan's successful chum salmon hatchery program with Washington's: techniques for trapping adults, spawning and egg shipment, incubation and fry rearing. Illustrations, tables. *s*
UW DMR (WSG-TA 75-3) \$.50 handling charge

Cleaning and sanitizing agents for seafood processing plants

Jong Lee. 1973. Folder, 6 pp., 8½ x 11. Strengths and weaknesses of types of cleaners. Glossary. Table. *s*
OSU BC (SG 21) free

Cleaning and sanitizing fish holds

Kirby Hayes, William Schumacher, and Curtis Wilder. 1971. Fact sheet, 8½ x 11. *a*
UH SG (Fish 'n' Facts IS 165) free

Coming: The Wholesome Fish Act

Kirby Hayes, William Schumacher, and Curtis Wilder. 1972. Fact Sheet, 8½ x 11. *a*
UH SG (Fish 'n' Facts IS 167) free

Commercial potential of precious corals in the western Caroline Islands, Micronesia

Richard W. Grigg. 1975. Booklet, 14 pp., 8½ x 11. Photos. *a-s*
UH SG (UNIHI-SEAGRANT-AR-75-03) \$1.25

Construction and operation of the plumb staff beam trawl

A. K. Larssen. 1975. Booklet, 17 pp., 6 x 9. Development, operation, and construction. Drawing, photos. *s*
UA CES (MAB 4) free

Continental shelf sediments off Oregon

John V. Byrne and Daniel A. Panshin. Revised 1977. Folder, 6 pp., 8½ x 11. Types and locations of sediments; types of bathymetric charts. Map, chart, photos. *a*
OSU BC (SG 8) free

Costs and earnings of tuna vessels in Hawaii

Abu Ekram Ahsan, John L. Ball, Jr., and Jack R. Davidson. 1972. Booklet, 22 pp., 8½ x 11. *a-s*
UH SG (UNIHI-SEAGRANT-AR-72-01) free

Cutting and freezing salmon and steelhead at home

Andrew S. Landforce. 1972. Fact sheet, 8½ x 11. Filleting and cutting into sections of any round, long-bodied fish. *a*
OSU FWL (FS 183) free

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Delicatessen fish products

Norman D. Jarvis. 1963. Booklet, 6 pp., 6 x 9. Bulk recipes for preparing seafood products to be sold in a delicatessen. s
NMFS LJ (FL 553) free; supply limited

Developing local 4-H marine science programs

Christopher M. Dewees and Jon L. Hooper. 1974. Fact sheet, 8½ x 11. Setting up projects. a
UC DAS (4-H 242) free

Development of improved techniques for shucking Pacific oysters

John D. Smith. 1971. Booklet, 40 pp., 8½ x 11. Identifies and assesses feasibility of improved automated methods. A study conducted at Pacific Northwest Laboratory of Battelle Memorial Institute, funded by Pacific Coast Oyster Growers Assn. and Washington Sea Grant. s
UW DMR (WSG 71-1) \$.50 handling charge

Directory of marine-related activities in the State of Hawaii

1974. Booklet, 52 pp., 8½ x 11. y-a
UH SG (UNIHI-SEAGRANT-MS-73-01) \$2.00

Don't bring 'em back . . . dead or alive!

OSU Extension Service, Sea Grant Marine Advisory Program. Revised 1978. Poster, 8½ x 11. Oregon law protects nonfood intertidal animals; some areas require permits; need to check latest regulations. j-h-a
OSU BC (SG 3) free

A drift-bottle experiment using research vessel [R/V Yaquina] data

David F. Gosser. 1975. Folder, 4 pp., 8½ x 11. Classroom and 4-H material. Plotting drift-bottle data. Map. y
OSU MSC (MSET) free

A drift-bottle experiment you can do

David F. Gosser. 1975. Folder, 4 pp., 8½ x 11. Classroom and 4-H material. How to prepare a drift bottle. y
OSU MSC (MSET) free

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Economics and market potential of the precious coral industry in Hawaii

Kok-Kian Poh. 1971. Booklet, 22 pp., 8½ x 11. a-s
UH SG (UNIHI-SEAGRANT-AR-71-03) free

Economics of the Dungeness crab industry

James G. Youde and John R. Wix. 1967. Booklet, 24 pp., 6 x 8. Photos, graphs, tables. s
OSU BC (CI 627) free

Effective combination trawl for West Coast draggers: Atlantic and western trawls

R. Barry Fisher. 1972. Booklet, 33 pp., 8½ x 11. Photos, diagrams. s
OSU BC (SB 613) free

Enjoy the beaches—in safety

Revised 1978. Folder, 4-3/16 x 9, 6 panels. Careful driving on the beach, tides, high waves, undertows or rip currents, hiking and climbing, sand dunes, beach fires, bay areas, emergency contacts, safety pointers. Drawings aimed at children. j-h-c-y-a
OSU BC (SG 51) free

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Farm Credit System: A new source of fishery loans

Christopher M. Dewees. 1976. Fact sheet, 8½ x 11. a
UC MAP (MB 1) free

Field guide to common marine and bay fishes of Oregon

Carl E. Bond and Alan J. Beardsley. Revised 1978 (former SB 607). Booklet, 60 pp., 4 x 8½. Describes 62 fishes, almost all illustrated; tide pools; indexes to common and scientific names. a
OSU EB (Manual 4) \$1.25

Field guide to the fish of Puget Sound and the Northwest coast

David Somerton and Craig Murray. 1976. Paperback, printed on water-resistant stock. Drawings of 99 species commonly found in Puget Sound and adjacent waters. j-h-c-y-a
UW UWP (ISBN 0-295-95497-3) \$5.95

First aid for fishermen

Pacific Sea Grant Advisory Program. Reprinted 1978. Folder, poster (opens to 20 x 9½). Reprinted from an insert to *Australian Fisheries*, February 1971. Artificial respiration, removing imbedded fish hooks, survival in water, burns and scalds, bleeding, wounds and infection, shock, etc. Drawings. a
OSU BC (PASCAP 7) free

Fish and shellfish over the coals

1972. Booklet, 24 pp., 5½ x 8½. Buying guide; starting the fire, approximate cooking times for some recipes. Color photos. a
NMFS TI (BCF Test Kitchen Series 14) free; supply limited

Fish eggs for caviar and bait

Robert Price. 1977. Fact sheet, 8½ x 11. How to prepare them. *h-a*
UC MAP (MB 16) free

Fish or cut bait

Courtland L. Smith. 1977. Booklet, 38 pp., 8 x 8½. A history of Oregon's commercial fisheries: reaching out, salmon for subsistence, when salmon was king, diversification, fish or cut bait, in search of stability. Photos, map, drawing, tables. *a*
OSU SGC (ORES-U-77-006) free

Fish pickling for home use

Kenneth S. Hilderbrand, Jr. 1978. Folder (opens to 8½ x 11). Salt curing and brining; recipe and procedure; basic pickling solution; storage. Table. *a*
OSU BC (PNW 183) free

Fish plant sanitation and cleaning procedures

J. P. Doyle. 1970. Booklet, 10 pp., 6 x 9. Basic for plants without quality-control professionals. *a*
UA FEMA (Bulletin 1) free

The fisherman as borrower

Michael Bird. 1972. Folder, 4 pp., 8½ x 11. Sources of financing; typical loan interview; sample financial statement. An attempt to fill the fisherman-loan agency gap. *s*
OSU BC (SG 20) free

Fishing business management and economic information

Frederick J. Smith. Revised 1973. Folder, 6 pp., 8½ x 11. Business management procedures; ways to increase profits; how to interpret economic information. *s*
OSU BC (SG 6) free

Fishing success in a regulated commons

Courtland L. Smith. 1974. Reprint from *Ocean Development and International Law Journal*, 1(4): 369-381; 13 pp., 5 x 9. What Oregon salmon troll fishermen think about reduced catches. Graph. *s*
OSU SGC (ORES-U-74-008) free

Fossil mollusks of coastal Oregon

Ellen James Moore. 1971. Paperback, 64 pp., 6 x 9. For amateur collector and paleontologist. Generic names, sizes, descriptions. Photos, map, drawings, charts. *h-a-s*
OSU UP (0-87071-068-0) \$2

4-H ocean adventures: Leader's guide and member's book

Vicki J. Osis. 1975. Booklets, 13 and 36 pp., 8½ x 11. Materials for a 4-H marine program. Maps, drawings. *y-a*
OSU MSC free

Freezing of fish to maintain quality

J. P. Doyle. 1971. Booklet, 12 pp., 7 x 8½. Primer on large-scale home freezing. *a*
UA CES (Publ. 127) free

Freezing systems for seafood processors

Richard W. Nelson and Robert J. Price. 1977. Folder, 4 pp., 8½ x 11. Product requirements, freezing methods, blast freezing, plate and shelf freezing, immersion freezing, cost. Table. *a*
UC MAP (MB 15) free

Future management of the Oregon coast

University of Oregon Law School. 1974. 167 pp., 8½ x 11. Conference proceedings: legal and political background on coastal zone management. *s*
OSU SGC (W-74-001) \$3



Getting hurt on the beach . . . is as easy as falling off a log

OSU Extension Service, Sea Grant Marine Advisory Program. Revised 1978. Poster, 8½ x 11. *j-h-a*
OSU BC (SG 26) free

Graduate studies in water resources: Oregon State University

Water Resources Research Institute. 1972. Leaflet. *a*
OSU WRRRI free

Graduate studies in water resources: Universities Council on Water Resources

1973. Booklet, 33 pp., 5 x 9. Lists U.S. facilities. *s*
OSU WRRRI free; supply limited

Gray whales

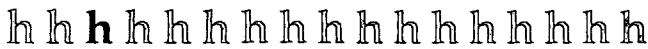
Bruce R. Mate. 1979. Sheet, 2 pp., 8½ x 11. Description, migration from Arctic waters to Baja California, feeding habits, mating and giving birth, summary of exploitation and protection. Drawing of mother and calf; drawings of blowing and diving characteristics. *j-h-c-a*
OSU BC (SG 52) free

Guide for buying Oregon fish and shellfish

Velma Seat. Reprinted 1970. Fact sheet, 8½ x 11. Species, market forms, seasonal availability, recommended forms for freezing. *a*
OSU BC (FS 170) free

Gyotaku: Japanese fish printing

Christopher M. Dewees and Jon K. Hooper. Revised 1978. Folder, 8 pp., 8½ x 11. Photos. *i-j-h-y-a*
UC DAS (AXT-445-3/2548) free



The home aquarium and its care

Kevin M. Howe. 1974. Booklet, 13 pp., 8½ x 11. Basic information. *a*
OSU FWL free

Home freezing of seafood

Kenneth S. Hilderbrand, Jr. Revised 1976. Booklet, 12 pp., 6 x 9. Selecting fresh seafood, choosing the package, preparing for freezing, wrapping, labeling, storing, thawing. *a*
OSU BC (SG 7) free

How to meet your Federal employer tax requirements

John L. Ball. 1976. Fact sheet, 8½ x 11. Some IRS qualifications, procedures, forms, and reporting requirements. Table. Glossary. *a*
OSU BC (SG 38) free

How to take the investment credit

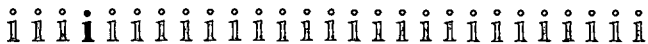
John L. Ball. 1976. Fact sheet, 8½ x 11. Summary of IRS rules for qualifying and procedures for computing. Table, photo. *a*
OSU BC (SG 37) free

Hydraulic fishing machinery systems for outboard-motor powered boats

Agricultural Experiment Station, Oregon State University. 1971. Booklet, 40 pp., 8½ x 11. Uses and systems designs. Graphs, photos, drawing. *s*
OSU BC (SB 608) free

Hydrology

Universities Council on Water Resources. 1972. Pamphlet, 3 x 9. The cycle; applications of the science. *a*
OSU WRRl free



Identifying intertidal plants and animals

Christopher M. Dewees and Jon. K. Hooper. 1974. Booklet, 10 pp., 8½ x 11. Drawings, chart. *i-j-h-y-a*
UC DAS (AXT-445-1/2549) free

Identifying Oregon driftwood

Antone C. Van Vliet and Alexis J. Panshin. 1976. Booklet, 52 pp., 3½ x 8½. Introduction; identifying process; 34 woods in a dichotomous key—one to a page, each with photo, characteristics, principal uses. *h-a*
OSU EB (Manual 2) \$1.25

Identifying seashore birds

Christopher M. Dewees and Jon K. Hooper. 1974. Booklet, 7 pp., 8½ x 11. Drawings, charts. *i-j-h-y-a*
UC DAS (AXT-445-2/2550) free

Impact of recreational fishing expenditures on the state and local economies of Hawaii

Robert G. Hoffman and Hiroshi Yamauchi. 1972. Booklet, 28 pp., 8½ x 11. *a-s*
UH SG (UNIHI-SEAGRANT-AR-72-02) free

Incorporating a fishing business

Frederick J. Smith. Reprinted 1973. Booklet, 8 pp., 8½ x 11. Management, ownership, liability, taxation, finance, fringe benefits. *s*
OSU BC (SG 11) free

Intertidal zonation

Christopher M. Dewees and Jon K. Hooper. 1974. Booklet, 7 pp., 8½ x 11. Statistical methods. Drawings, chart. *s*
UC DAS (AXT-445-10/2551) free



Join the wake watchers

OSU Extension Service, Sea Grant Marine Advisory Program. 1977. Poster, 8½ x 11. Warns boaters about their responsibility for any damage their boats' wakes cause. *a*
OSU BC (SG 2) free



Life begins at 40°F: How to use a seafood-handler's thermometer

William D. Davidson. 1975. Folder, 8½ x 11, 4 pp. Inside folds out to large thermometer chart for supermarket wall; shows safe, danger, and critical temperature zones for seafood storage. Photos. *c-s*
OSU BC (SG 32) free

Literature and the sea

Richard Astro, ed. 1976. Booklet, 11 x 8½, 60 pp. Proceedings of a conference held at OSU Marine Science Center, Newport, May 1976; 8 speakers from fields of literature, oceanography, and history. Drawings. *a*
OSU SGC (ORES-U-76-001) \$3.00

Long-line (set-line) crab pot system

R. Barry Fisher. Revised 1972. Booklet, 8 pp., 8½ x 11. Rigging, setting, equipping, operation. Diagram, photos. *s*
OSU BC (CI 630) free



Major commercial fisheries in California

Christopher M. Dewees and Jon K. Hooper. 1975. Booklet, 5 pp., 8½ x 11. Drawings. *j-h-c-y-a*
UC DAS (2272) free

Makahiki Kai student workbook

Booklet, 8½ x 11. Hawaii and its relationship to the sea, from ancient times to the present. Guide to exhibits and activities. Published annually. *y-a*
UH SG (UNIHI-SEAGRANT-MR-78-02) free

Man and the sea

Courtland L. Smith. Reprinted from *Portland* magazine, Feb. 4, 1972. 4 pp., 8½ x 11. Human dependence on, and change of, the marine environment. *a*
OSU WH free

Man in cold water

John S. Hayward, Martin L. Collis, and John E. Eckerson. 1976. Chart, 11 x 17, folds to 5½ x 8½. Based on research results from the University of Victoria, B.C.: hypothermia, survival time, swimming or not, lack of flotation device (treading water, drownproofing), critical body regions, individual differences, behaviors to increase survival time, evaluating lifejackets, effect of alcohol. *h-c-y-a*
OSU BC (PASGAP 12) free

Man: Linked in the hydrologic cycle

Courtland L. Smith. Reprint from *Northwest* magazine, May 27, 1973. 2 pp., 8½ x 11. How groups of people are linked together by environmental processes. Drawing. *a*
OSU WH free

Marine and freshwater aquarium systems for tropical animals

E. H. Chave and P. S. Lobel. Book, 88 pp., 8½ x 11. Syllabus of published and unpublished material on tropical aquatic organisms and their maintenance. Photo, drawings. *y-a-s*
UH SG (UNIHI-SEAGRANT-AR-74-01) \$1.75, includes postage and handling

Marine atlas of Hawaii: Bays and harbors

Jean McKean Grace, ed. 1974. Book, 241 pp., 11 x 15. Illustrations and descriptions; 60 maps by Lois S. Nishimoto. *y-a-s*
UH SG (UNIHI-SEAGRANT-MR-74-01) \$15.00; discounts to libraries

Marine biology: An introduction to its problems and results

Hermann Friedrich. Translated by J. Gwynne Vevers. Book, 486 pp. Focus on ecology or organisms and communities. Illustrated. *s*
UW UWP \$9.50

Marine careers

Oregon State University Extension Service, Sea Grant Marine Advisory Program, and Oregon Dept. of Education. 1976. Booklet, 40 pp., 8½ x 11. Proceedings of a symposium for secondary school counselors: career opportunities in oceanography, maritime industries, fishing industry, government service. *a*
OSU MSC free

Marine cost sheet: 42-ft. swordfish boat

Robert Rock and Arthur Flechsig. 1976. Fact sheet, 8½ x 11. Summarizes costs and earnings. *c-a-s*
UC MAP (MB 12) free

Marine education bibliography

Christopher Dewees and Jon Hooper. 1975. Leaflet, 8½ x 11. Useful technical and nontechnical references for those who want to know more about the marine environment. *i-j-h-c-y-a-s*
UC MAP (2784) free

Marine economics data sheets

Frederick J. Smith. Revised 1978. A series of single-sheet summaries of costs and returns for marine businesses—commercial fishing, charter fishing, marinas, boatyards. For descriptive folder and list of current titles, *write directly to*: F. J. Smith, Extension Hall 240, Oregon State University, Corvallis 97331. *a*

Marine fires: Preventing them; fighting them

Edward J. Condon. 1977. Folder, 6 pp., 8½ x 11. Firefighting equipment, with table; photos of extinguisher types; importance of fire prevention. *a*
OSU BC (SG 44) free

Marine mammals

Christopher M. Dewees and Jon K. Hooper. Revised 1977. Booklet, 6 pp., 8½ x 11. Whales included. Drawing. *h-c-y-a*
UC DAS (2274) free

Marine photography

Christopher M. Dewees and Jon K. Hooper. 1976.
Leaflet, 8½ x 11. Suggests topics. *h-y-a*
UC DAS (AXT-445-8/2552) free

Marine resource laws and regulations

Christopher M. Dewees and Jon K. Hooper. 1976.
Leaflet, 8½ x 11. Marine education activity. *j-h-y-a*
UC DAS (AXT-445-9/2553) free

Marine resource management

School of Oceanography, Oregon State University.
Revised 1978. Interdisciplinary master's degree
program in coastal zone and marine resources
management. Career opportunities; students from wide
variety of backgrounds; prerequisites. *h-y-a*
OSU SO free

**Marine sanitation devices . . . ins and outs for small vessel
owners**

Lt. Allan D. Kissam and Lt. Scott Merrill. 1977.
Leaflet, 8½ x 12. Outlines EPA guidelines for control of
sewage discharge from U.S. vessels. Illustrated. *c-a*
UW DMR (WSG-AS 77-3) free

Measuring ocean depths

Vicki J. Osis. 1975. Folder, 4 pp., 8½ x 11. Classroom
or 4-H material. Building flour-plaster models in
shoeboxes; locating features through depth readings on
covered, exchanged boxes. Drawings. *y*
OSU MSC (MSET) free

Medical care for commercial fishermen

Lawrence Sykes and Bruce Wyatt. 1975. Fact sheet,
8½ x 11. Services available through U.S. Public Health
Service. *a*
UC MAP (MB 5) free

Mercury in seafood

Robert J. Price. 1975. Fact sheet, 8½ x 11. Problems.
h-c-a
UC MAP (MB 7) free

Mild curing, pickling, dry salting, and smoking salmon

Norman D. Jarvis. 1944. Booklet, 14 pp., 10 x 8. *s*
NMFS LJ (FL 60) free; supply limited



Net mending and patching

P. D. Lorimer. Reprinted 1978. Booklet, 16 pp., 9¼ x
7½. Reprinted from supplement to *Australian Fisheries*,
June 1970. Arranging net, commonly used knots,
cutting and mending, cutting out, larger holes,
patching, lacing. Photos, drawings. *a*
OSU BC (PASGAP 9) free



**Observed and perceived impacts of distant water fishing:
Oregon otter trawl case**

Courtland L. Smith. 1975. Reprint from *Marine
Fisheries Review*, 37(4):13-15. 3 pp., 8½ x 11. Impact
on Oregon otter trawl fishery. Tables, graph. *s*
OSU SGC (ORESU-R-75-006) free

Ocean currents

Christopher M. Dewees and Jon K. Hooper. 1974.
Fact sheet, 8½ x 11. Marine education activity.
Drawing. *i-j-y*
UC DAS (AXT-445-11/2554) free

Operations manual for seafood retailers

Robert J. Price, Samuel M. Gillespie, and William B.
Schwartz, eds. 1976 (2nd ed.). Paperback, 8½ x 11,
86 pp. Selling seafood, consumer attitudes, facility
design, buying and caring for fish and shellfish,
sanitation, merchandising. Photos, floor plans. *s*
OSU EB (PASGAP 11) \$2.00

Oregon fish fights

Courtland L. Smith. 1974. Booklet, 16 pp., 8½ x 11.
History and analysis of conflicts over salmon fishery in
Oregon, particularly on Columbia River. Photos,
tables. *a*
OSU SGC (ORESU-T-74-004) free

Oregon's captivating clams

Robert W. Jacobson, Paul Heikkila, and Kenneth S.
Hilderbrand, Jr. Oregon State University Extension
Service, Sea Grant Marine Advisory Program, and
Oregon Dept. of Fish and Wildlife. Reprinted 1976.
Folder, poster (opens to 19½ x 17½). Identifying
clams, digging, tides, regulations, cooking; photos of 6
major clams, large table of information. *h-a*
OSU BC (SG 28) free

**Oregon's commercial fishermen: Characteristics, profits,
and incomes in 1972**

David S. Liao and Joe B. Stevens. 1975. Booklet, 20
pp., 8½ x 11. Results of a survey of 214 fishermen:
incomes, costs and returns from fishing and other
employment. Chart, tables. *s*
OSU SGC (ORESU-T1-75-001) free

Oregon's estuaries: Descriptions and information sources

K. L. Percy, D. A. Bella, C. Sutterlin, and P. C.
Klingman. 1974. Book, 294 pp., 8½ x 11. Summary of
what is known about 13 Oregon estuaries (Columbia
River is excluded). *s*
OSU SGC (H-74-001) \$2.50

Oregon's ever-changing coastline

Barbara A. Katz and Stephen R. Gabriel. 1977. Booklet, 8 pp., 8½ x 11. Sand sources, wave action, longshore currents and littoral drift, erosion and accretion, shoreline modifications; what have we learned? Photos, drawings. *j-h-a*
OSU BC (SG 35) free

Oregon's nearshore ocean

James E. McCauley. 1973. Booklet, 8 pp., 8½ x 11. How land and sea contribute to the ecology of this area. Photos, drawings. *h-a*
OSU BC (SG 16) free

Organizing and operating a fishery cooperative: Part 1

Frederick J. Smith. 1972. Folder, 4 pp., 8½ x 11. Organization, management, legal instruments. *s*
OSU BC (SG 19) free

Organizing and operating a fishery cooperative: Part 2

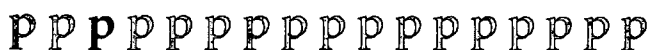
Frederick J. Smith. Reprinted 1977. Booklet, 44 pp., 8½ x 11. For those actually organizing a cooperative: bylaws, marketing agreements, Federal regulations. *s*
OSU BC (SG 19a) free

Outboard motor maintenance tips

Peter L. Hendricks. 1978. Folder, 8½ x 11, 4 pp. Adapted from University of Hawaii Sea Grant College Program publication. Engines, power source, periodic servicing, installation, propellers, spark plugs, saltwater care. Cutaway chart, diagrams. *c-s*
OSU BC (SG 43) free

Oyster farming: Culturing, harvesting, and processing a product of the Pacific Coast area

William Q. Wick and W. P. Breese. Reprinted 1974. Booklet, 8 pp., 8½ x 11. Oregon oyster culture, history, farming and harvesting, processing, marketing, food value. Photos. Glossary. *a*
OSU BC (SG 13) free



Pacific Coast tuna fleet

James H. Johnson. 1964. Booklet, 9 pp., 10 x 6½. Methods, boats used, history, types of tuna, advantages of a strong fleet, international law. Charts, drawings. *a*
NMFS LJ free; supply limited

Pacific salmon

Clifford J. Burner. 1964. Booklet, 11 pp., 10½ x 8. Life history, migration, food, importance, research. Photos. *j*
NMFS LJ (FL 563) free; supply limited

Paralytic shellfish poisoning

Oregon Dept. of Fish and Wildlife. 1974. Folder, 3 pp., 8½ x 11. *a*
OSU MSC free

Paralytic shellfish poisoning and red tides

Robert J. Price. 1975. Fact sheet, 8½ x 11. Summary for sportsmen and consumers. *h-y-a*
UC MAP (MB 2) free

Phytoplankton: Grass of the sea

Herbert Curl, Jr. Revised 1973. Life and reproduction; food chains. Drawings of common species. *a*
OSU BC (SG 9) free

Places of interest to visit and see on the Oregon coast

Vicki J. Osis. 1976. Booklet, 8½ x 11, 10 pp. Written to help teachers plan field trips to the coast; lists (north to south) businesses, museums, and aquariums that offer programs to schools. For each entry: length of tour, contact, cost, hours, and group size accommodated. *a*
OSU MSC (MSET) free

Plankton and the food chain

Adapted from Rhode Island Marine Bulletin 11. 1975. Folder, 4 pp., 8½ x 11. Classroom or 4-H material. Chart. *y*
OSU MSC (MSET) free

Planning a safe and productive field trip to the beach

Vicki J. Osis. 1977. Folder, 4 pp., 8½ x 11. Checklist for teachers and 4-H leaders: safety, conservation, classroom preparation (observing, classifying, measuring), after the trip, references. *a*
OSU MSC (MSET) free

Plastic liners for fish-holds

Kirby Hayes, William Schumacher, and Curtis Wilder. 1971. Fact sheet, 8½ x 11. *s*
UH SG (Fish 'n' Facts IS 164) free

Plastics as a fish-hold lining material

Burton W. Adams and R. Barry Fisher. 1971. Booklet, 16 pp., 4 x 9. Considerations, limitations, advantages. Tables, drawings. *s*
OSU BC (CI 631) free

Poke pole fishing

Christopher M. Dewees and Jon K. Hooper. 1976. Fact sheet, 8½ x 11. Construction and methods. Drawing. *j-h-y-a*
UC DAS (AXT-445-4/2555) free

Popular bay clam areas

Oregon Dept. of Fish and Wildlife. 1974. Booklet, 6 pp., 5½ x 8½. Bay maps, with clam beds noted. *a*
OSU MSC free

Preparation of shark and skate

Mildred Townsend, Christopher M. Dewees, and Robert J. Price. 1975. Fact sheet, 8½ x 11. 5 recipes. *h-y-a*
UC MAP (MB 4) free

Preparing cluster egg baits from salmon and steelhead roe

Andrew J. Landforce and Jay B. Long. 1972. Fact sheet, 8½ x 11. *a*
OSU FWL (FS 152) free

Pressing algae

Christopher M. Dewees and Jon K. Hooper. 1975. Fact sheet, 8½ x 11. *j-h-c-y-a*
UC DAS (AXT-445-12/2556) free

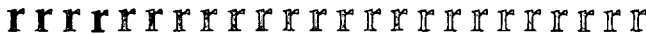
Preventing decay in wood boats

Edward J. Condon and Robert D. Graham. Reprinted 1978. Folder, 6 pp., 8½ x 11. What is rot and what is not; factors affecting decay; 5 ways to detect decay and 10 ways to prevent it; fish-hold linings; getting rid of moisture that has entered; two success stories; historical postscript. Photos. *a*
OSU BC (SG 23) free



Quick and easy ways with salmon

Anne Seranne. Condensed version, 1971. Pamphlet, 13 recipes. Color photos. *a*
NMFS TI free; supply limited



Recipes for canned fish

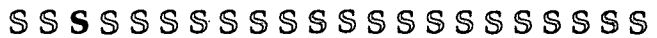
University of Alaska Cooperative Extension Service. 1970. Booklet, 13 pp., 7 x 8½. *a*
UA CES (Publ. 220B) free

Recreational boat insurance

Andy Manus. 1977. Leaflet, 8½ x 11. Basic types now available. *a*
UC MAP (21006) free

Rocky beach animals: A coloring book

Sally Booth and Vicki J. Osis. 1977. Booklet, 8½ x 11, 25 pp. Simplified but accurate outlines of marine animals; self-tests to help children learn how to identify them. *p-i-j*
OSU MSC \$1.00



Safety notes for the North Pacific fisherman

A. K. Larssen. 1975. Book, 119 pp. Detailed and highly illustrated safety manual for commercial fishermen and marine users. *a*
UA FEMA (Bulletin 3) \$1.00

Salmon poisoning: An unnecessary killer of dogs

Marine Advisory-Extension Service, Humboldt State University. Revised 1978. Folder, 4 pp., 4½ x 8½. What is it; how dogs get it; symptoms and treatment. *a*
HSU MAES free; supply limited

Sampling plankton

Christopher M. Dewees and Jon K. Hooper. 1976. Fact sheet, 8½ x 11. Marine education activity. Drawing. *h-y-a*
UC DAS (AXT-445-7/2557) free

School of Oceanography, Oregon State University

1977. Booklet, 36 pp., 4 x 9. Faculty, courses, facilities; for high school or college student. *h-y-a*
OSU SO free

Scuba safety

Susan H. Anderson, ed. 1977. Copublished by National Scuba Training Committee and L.A. County Interagency Scuba Diving Committee. Pamphlet, 8½ x 3½. Certification, safe scuba diving practices, diving emergencies, and emergency telephone numbers (local). *a*
USC SG free

Sea Grant: A report on recent accomplishments [Oregon]

Booklet. How the program works; what it does; selected results. *a*
OSU SGC (A-74-001) free; published yearly (current issue sent unless other year is specified)

Seaweeds at ebb tide

Muriel L. Guberlet. 1971. Book, 198 pp. Handbook of Pacific Coast seaweeds. Illus. Bibliography, index. *a*
UW UWP \$3.95

Secondary school instruction in biological oceanography

Bureau of Commercial Fisheries, USDI. 1967. Reprint from *American Biology Teacher*, 29(6):435-467. 33 pp., 10½ x 8. Teacher's guide; subject matter and explanatory demonstration. Photos, charts, graphs. *s*
NMFS LJ free; supply limited

Sediment contouring—Astoria canyon [Oregon coast]

David F. Gosser. 1975. Folder, 4 pp., 8½ x 11. Classroom or 4-H material. Contouring maps. *y*
OSU MSC (MSET) free

Sediment plotting and contouring—Cape Blanco to Cape Sebastian [Oregon coast]

David F. Gossler. 1975. Folder, 4 pp., 8½ x 11. Classroom or 4-H material. Contouring maps. *y*
OSU MSC (MSET) free

Shark fishing: An added pleasure of the North Coast [California]

Marine Advisory-Extension Service, Humboldt State University. 1974. Folder, 4 pp., 8½ x 11. Species, rigging, access points, recipes. Drawings. *a*
HSU MAES free; supply limited

Sharks: An annotated list of selected references

Don Wilkie. 1976. Leaflet, 8½ x 11. *h-c-a-s*
UC MAP (2911) free

Shellfish and the red tide

Louisa Norris, Kenneth K. Chew, and Alyn C. Duxbury. 1973. Reprint from *Pacific Search*; 2 pp., 8½ x 11. Effects on shellfish; precautions in gathering shellfish; kinds of protection the public has against shellfish poisoning. *a*
UW DMR (WSG-AS 75-2) \$.25 handling charge

Shorelines management: The Washington experience

Roger Leed, ed. 1973. Paperback, 184 pp., 8½ x 11. Symposium proceedings (Seattle, 1972): need for shorelines management; legal background; summary and discussion of the Washington Act and the Magnuson Coastal Zone Management Act; alternative strategies; allocating coastal resources. *a*
UW UWP (0-295-95309-8) \$5.00

Smoked shark and shark jerky for home and trail

John Richards and Robert Price. 1977. Fact sheet, 8½ x 11. Methods of shark preparation. *h-a*
UC MAP (MB 14) free

Smoking fish at home

Marion Tate and Helen D. Ullrich, revised 1975 by George K. York and Christine Groppe. Leaflet, 8½ x 11. *h-a*
UC MAP (2669) free

So you bought a boat! Practical tips for the mariner

Capt. Robert E. Williams. 1974. Booklet, 40 pp., 5½ x 8½. Safety tips, hints on cruising; information not usually found in more conventional boating books. Cartoons. *a*
UW DMR (WSG-AS 74-2) \$.50

So you want to get involved

U.S. Dept. of the Interior. 1971. Leaflet, 6 pp., 10½ x 8. Broad look at the environment. *a*
NMFS LJ (USDI 0-414-915) free; supply limited

Some ABC's of fo'c'sle living

A. K. Larssen and Sig Jaeger. 1974. Booklet, 38 pp., 10½ x 8. Telling it like it is: Daily life aboard a fishing vessel. Glossary. Drawings. *y-a*
NMFS LJ free

Spiced and pickled seafoods

Robert J. Price. 1976. Fact sheet, 8½ x 11. *h-a*
UC MAP free

Sport fisherman's guide to holding and freezing fish

Kirby Hayes, William Schumacher, and Curtis Wilder. 1973. Fact sheet, 8½ x 11. *a*
UH SG (Fish 'n' Facts IS 169) free

Status of the precious coral industry in Japan, Taiwan, and Okinawa: 1970

Richard Grigg. 1971. Booklet, 14 pp., 8½ x 11. *a-s*
UH SG free

Storage batteries for boats

Don A. Cunning and Charles B. Jackson. 1977. Booklet, 8 pp., 8½ x 11. What is a battery? What are its uses? How does it work? How is it made? What do you look for in a battery? Photos. *a*
OSU BC (PASGAP 13) free

Storage of dressed salmon in refrigerated sea water

Robert J. Price. Fact sheet, 8½ x 11. Advantages and disadvantages of RSW systems on salmon trollers. *s*
UC MAP (MB 10) free

Striped bass

Paul R. Nichols. 1966. Booklet, 6 pp., 10 x 8. Life history, distribution, economic importance. Photos, drawings, graphs. *a*
NMFS LJ (FL 592) free; supply limited

Structure and senses of fishes

Ralph Hile. 1964. Booklet, 13 pp., 10½ x 8. Anatomy and sense organs of a fish. Drawings. *a*
NMFS LJ (FL 132) free

Suggestions for holding live American lobsters in tanks

Christopher M. Dewees and Harriette C. Schapiro. 1976. Booklet, 5 pp., 8½ x 11. Suggests improved methods for holding and selling lobsters. Drawings, charts. *s*
UC DAS (3004/2558) free



The tax aspects of disposing of business assets

John L. Ball. 1976. Fact sheet, 8½ x 11. Factors to consider for assets disposed through sale, exchange, fire, disaster, theft, other casualty situations. Glossary.

a
OSU BC (SG 39) free

Tide prints: Surface tidal currents in Puget Sound

Noel McGary and John Lincoln. 1977. Paperback. Charts. *h-y-c-a*
UW UWP (ISBN 0-295-95557-0) \$4.95

Tillamook Bay Task Force report

1976. Booklet, 9¾ x 8, 28 pp. Summary of a team effort to study the bay area and to recommend guidelines for future development. Background information, list of recommendations. Drawings, maps. *a*
OSU BC (SR 462) free

To can fish in glass jars

J. K. Burand. 1971. Single-sheet primer for home use. *a*
UA CES (Publ. 24) free

To can fish in tin cans

J. K. Burand. 1971. Single-sheet primer for home use. *a*
UA CES (Publ. 25) free

To freeze fish

J. K. Burand. 1970. Single-sheet primer for home use. *a*
UA CES (Publ. 27) free

To salt fish

University of Alaska Cooperative Extension Service. Reprinted 1971. Single-sheet primer for home use in the Arctic. *a*
UA CES (Publ. 26) free

Today's youth in tomorrow's sea

Harold L. Goodwin. 1977 (revision of PASCAP 3, 1972). Booklet, 12 pp., 8½ x 11. What it takes to get a job among the sea people, on shore or at sea; requirements in various fields. Photos. *j-h-a*
OSU BC (SG 45) free

Tracing ocean currents

Alyn Duxbury. 1975. Reprint from *Pacific Search*; 3 pp., 8½ x 11. Methods researchers use to measure ocean currents: drift bottles, metering devices similar to anemometers, and the geostrophic technique. Drawings. *a*
UW DMR (WSG-AS-75-2) \$.25 handling charge

Tuna: As you like it

Tuna Research Foundation. Booklet, 21 pp., 6 x 9. Recipes. Drawings, color photos. *a*
NMFS TI free; supply limited



Uncommon controversy: Fishing rights of the Muckleshoot, Puyallup, and Nisqually Indians

American Friends Service Committee. 1970. Book, 264 pp. Documentation of the Indians' case in their clash with state agencies and sportsmen's organizations over fishing rights on rivers in western Washington; changing interpretations of treaty rights by courts, administrators, and general public. Charts, maps, appendixes, bibliography. *a*
UW UWP \$5.95 cloth; \$2.95 paper

Understanding tides

R. Lawrence Swanson. 1977. Booklet, 12 pp., 8½ x 11. The equilibrium tide, interaction of Sun and Moon, types of tides, Oregon tides, glossary. Photos, drawings. *h-a*
OSU BC (SG 25) free

Upwelling in California coastal waters

Christopher Dewees and Bruce Wyatt. 1977. Leaflet, 8½ x 11. Upwelling's importance to the coastal environment. *j-h-c-y-a*
UC MAP (2939) free

Using drift bottles to measure ocean currents

Christopher Dewees and Bruce Wyatt. 1977. Leaflet, 8½ x 11. Activity to help youth groups learn more about ocean currents. *j-h-c-y-a*
UC MAP (4-H 246) free

Using multimeters on boats

Edward Kolbe. 1977. Folder, 4 pp., 8½ x 11. Measuring volts, ohms, and amperes; tips on buying a multimeter. Drawings, photo. *a*
OSU BC (SG 42) free

Using satellite photos to locate [ocean] temperature fronts

Bruce Wyatt, Christopher M. Dewees, Thomas Thompson, John Richards, and Fred Jurick. 1976. Fact sheet, 8½ x 11. List of California coastal offices where marine advisors post copies of charts adapted from TIROS satellite weather photos; sample infrared photo and resulting chart. *a*
UC MAP (MB 13) free

Utilization and disposal of crab and shrimp wastes

V. Mendenhall. 1971. Booklet, 41 pp. Technical review; extensive bibliography. *a*
UA FEMA (Bulletin 2) free

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Washington tides

Capt. Robert E. Williams and Alyn C. Duxbury. 1975. Reprint from *Pacific Search*; 5 pp., 8½ x 11. What a tide is, its relationship to Moon and Sun, meaning of high and low water; how to distinguish between tide types. *a*
UW DMR (WSG-AS 75-3) \$.25 handling charge

Watch your step: Wet rocks and algae are slippery!

OSU Extension Service, Sea Grant Marine Advisory Program. 1977. Poster, 8½ x 11. *j-h-a*
OSU BC (SG 27) free

Watching whales

Bruce R. Mate. 1979. Sheet, 2 pp., 8½ x 11. When and where (seasons, time of day, weather, headlands); what to look for (blow patterns, spy-hopping, breaching). Drawings of blowing and diving characteristics for 7 of the large whales; suggested form for recording sightings. *j-h-c-a*
OSU BC (SG 53) free

Water resources management and public policy

Thomas H. Campbell and Robert O. Sylvester, eds. 1968. Book, 269 pp. Views of scientists, engineers, lawyers, and industry representatives as they confront issues of water supply and pollution control. Tables, figures. *a*
UW UWP \$8.50

Weather to go boating! Hints on coastal boating in southern California

1977. Pamphlet, 8½ x 3½. Boating safety hints and weather information. *a*
USC SG free

What is limited entry?

Stan Ludwig. 1973. Fact sheet, 8½ x 11. How it works; advantages and disadvantages. *a*
HSU MAES free; supply limited

Why fish spoil

Kirby Hayes, William Schumacher, and Curtis Wilder. 1972. Fact sheet, 8½ x 11. *a*
UH SG (Fish 'n' Facts IS 166) free

Audiovisual Materials

This section of the *Inventory* lists and describes audiovisual materials available from participating sources. These are listed alphabetically by title. Each entry lists descriptive information in this order:

- title
- producer/sponsor (if different from source)
- year produced
- description (unless otherwise noted, films are all 16-mm, sound)
- code indicating level of difficulty
- code indicating source(s)
- series number, if any (in parentheses)
- rental charge, sale price, other data on charges
- special notes, if any

The sample entry (right) illustrates this standard format. When one or another descriptor is missing, the source did not provide it. Information may vary when more than one source offers an item. In this situation, the variable data appear immediately after the source code.

Difficulty-level (or intended-audience) codes have mostly been supplied by the sources:

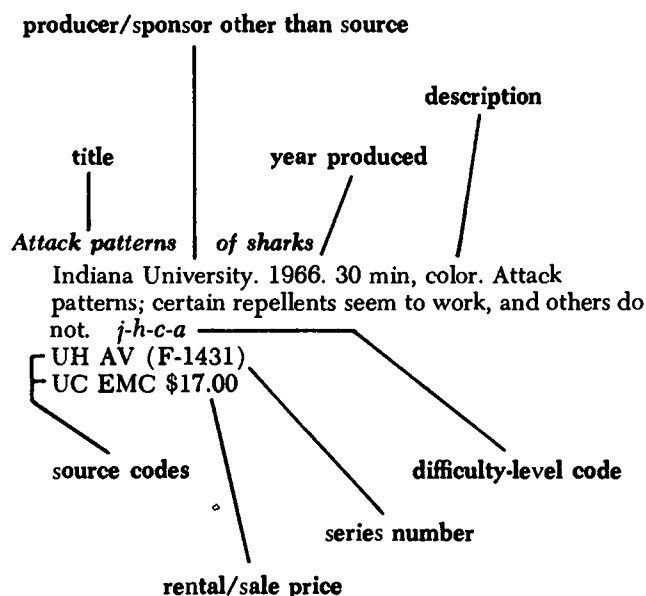
- k* kindergarten and preschool
- p* primary (grades 1 to 3)
- i* intermediate (grades 4 to 6)
- j* junior high (grades 7 to 9)
- h* senior high (grades 10 to 12)
- c* college
- y* juvenile or youth
- a* adult, nontechnical
- s* adult, semitechnical

You will find the source codes explained on page 48, with a mailing address for each one.

The word *free* on the source-code line means there is no charge to rent the film or other item; however, there will frequently be other conditions or a schedule to meet.

Where a price is shown, this is generally the *rental* charge. A sale price is indicated by a small *s* preceding the amount. In cases where both sale and rental charges are given, a small *r* identifies the rental charge. Price information, of course, is subject to change. Additional costs may be involved (e.g., sales tax, shipping and insurance fees). Requirements vary for buying or borrowing films or other items; to obtain this information, write the source *before* ordering a title, to avoid delay or disappointment.

When a source-code line carries neither the word *free* nor a charge, it is best to write the source about possible charges before sending your order.



Special information. Oregon State University audiovisual materials coded OSU EC, OSU MSC, and OSU VL are available rent-free to anyone in Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming. All films or other items are shipped by air mail to Alaska and Hawaii; users bear the additional costs.

University of Washington Audio-Visual Services, coded UW AVS, makes its materials available to anyone in Washington, Oregon, Idaho, western Montana, northern California, and—conditionally—Alaska and Hawaii. Users in Alaska and Hawaii must pay air mail shipping both ways. University of Washington Press, coded UW UWP, ships its films anywhere in the United States. Services available from the University of Washington to Washington State residents are subject to state sales-tax laws.

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Algae

1964. Film, 17 min, b/w. Major groups; unity of function; diversity of types; habitat, reproduction, and evolution of living forms. *i-h-c-a*
UW AVS \$8.00

Anatomy of the dogfish

1948. Film, 19 min, b/w. Skeletal, muscular, respiratory, digestive, urinogenital, and nervous systems of the dogfish. Demonstrates dissection through microphotography and diagrams. *c*
UH AV (F-917)

Aquatic locomotion

Harper and Row. 1971. Film, 16 min, color. Seen through the many varieties of fish, reptiles, and mammals that live in the water surrounding the Galapagos Islands. *j*
UC EMC \$16.00

Artificial reefs

1974. Slide-tape cassette set, 7 min, color available. How to build one. *a-s*
UC MAP free

Attack patterns of sharks

Indiana University. 1966. Film, 30 min, color. Attack patterns; certain repellents seem to work, and others do not. *j-h-c-a*
UH AV (F-1431)
UC EMC \$17.00

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Barge building

1973. Video tape, 22 min, 1/2-inch, color. At its launching, *Skipanon* was the largest oceangoing barge that had been built with Oregon-produced materials. Shown from manufacture to maiden voyage. *y-a*
OSU VL (MAP 140) free

Bathythermograph observations

Film, 17 min, color. How a bathythermograph operates. Good for instructional purposes. *h-c-a*
UH AV (F-920)

Beach: A river of sand

1965. Film, 20 min, color. Currents produced by waves; accumulation and depletion of sand; movement of sand along the shore. *i-j-h-a*
UC EMC \$20.00
UW AVS \$11.50

Beach and sea animals

1957. Film, 11 min, color. Habitats, activities, interrelationships, methods of self-protection; balance in nature. *i-j-h-c*
UW AVS \$7.00

Behavior and ecology of coral reef

1974. Film, 30 min, color. Feeding and social behavior of 15 species of butterfly fish, family Chaetodontidae; fish occur alone, in pairs, and in larger groups. *c*
UH AV (F-1143B)

Between the tides

1959. Film, 22 min, color. Bird and sea life around the tide zone in Britain. Outstanding underwater scenes. *i-j-h-c*
UW AVS \$8.00

Big Beef Creek

1975. Cassette/35-mm slide set, 10 min, color. Ongoing project of University of Washington's Fisheries Research Institute: research to determine environment necessary for breeding fish. Fish behavior and spawning. *h-c-a*
UW AVS \$3.00

Biography of a fish

1950. Film, 10 min, b/w. Nest-building, mating, and guarding of young. *i-j-h-c-a*
UW AVS \$6.00

Bitter and the sweet

Argonne National Laboratory, U.S. Atomic Energy Commission. 1971. Film, 30 min, color. Aspects of desalting technology; capsule report on status of commercial desalting in Western Hemisphere. *c*
UH AV (F-1180)

Blood circulation in marine animals

1942. Film, 14 min, color. Variety of circulating fluids and mechanisms; colorless and pigmented fluids and corpuscles in pulsating vessels and hearts; circulating media, transportation of food and oxygen. Specimens include *Thalassoma*, *Norsis*, *Cistenides*, *Callinectes*, *Palemoneies*, *Ostrea*, a fish, and a terrapin. *c-a*
UH AV (F-505)

Boldt decision: Impact and implementation

1976. Video tape cassette, 60 min, 3/4-inch, color. Discusses controversial decision that allocated 50% of salmon and steelhead in Washington to Indians. Shows impacts on Indians, non-Indian commercial and sports fishermen, and related industries. *j-h-c-a*
UW DMR \$10.00

Breaking waves

Institute of Hydrodynamics and Hydraulic Engineering, Technical University of Denmark. 1968. Film, 20 min, b/w. Hydraulic-model investigation of breaker type as a function of incident wave characteristics; bottom-slope spilling, plunging, surging, and collapsing; particle motion within the wave. *c*
UH AV (F-0776)

Breath of life

CCM (Macmillan). 1968. Film, 12 min, color. "Living World of the Sea" series. How animals breathe in the sea; counter-current exchange (oxygen is taken from the water and carbon dioxide is given off); the mystery of drowning fish. *j-h*
UC EMC \$16.00



Canning and freezing fish at home

1976. Film, 8 min, color. Rockfish and albacore are featured. *h-a-s*
UC MAP free

Capture of a smile

CCM. 1969. Film, 13 min, color. Capture of a dolphin; its use of blowhole for communication, effective "sonar" mechanism; dolphins' liking for working with people. *j*
UC EMC \$16.00

Carnival of the sea

Film, 90 min, color. Method of capturing different groups of underwater organisms; techniques of preserving them alive in aquariums. Carnival mood is enhanced by jazz score and informative narration. Climax is underwater sequence showing very rare deep sea corals. *j-h*
UH AV (F-2006, I and II)

Carnival under the sea

Catala. 1967. Film, 70 min, color. Creatures of the coral reefs of New Caledonia and at the Noumea aquarium: banner fish, burrowing fish, dancing crabs, dancing starfish, etc. *j*
UC EMC \$49.00

Challenge of the oceans

McGraw-Hill. 1960. Film, 29 min, color. "Planet Earth" series. Research to learn more about ocean and its floor, currents, tides, etc. Worldwide explorations during International Geophysical Year. *j-h-c-a*
UC EMC \$12.00

Clam rearing and management

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Clam production research at Oregon Fish Commission, explored by junior high students; Manila littleneck clam rearing and clam population surveys. *j*
OSU VL (MAP 162, Cut 2, ½-inch) free
OSU VL (MAP C114, Cut 2, ¾-inch) free

Cloud over a coral reef

1971. Film, 30 min, color. Effects of pollution on coral reefs, including Kaneohe Bay, Hawaii. *c*
UH AV (F-1563)

Coastal birds in Oregon

1975. Transparencies (42), color. *j-h*
OSU MSC free loan for 1 week; write ahead to schedule

Coastal estuaries

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Importance and value of estuaries; estuarine fish and wildlife; sport and industrial uses. *j-h*
OSU VL (MAP 161, Cut 2, ½-inch) free
OSU VL (MAP C3, Cut 1, ¾-inch) free

Colorful cuttle

IFB. 1962. Film, 14 min, color. Structure and characteristics of the cuttlefish; process of color changes; locomotion and color changes linked to ability to produce "ink." *j*
UC EMC \$14.00

Columbia River gillnetters

1978. Film, 14 min, color. Describes types of boats, and nets and methods used in local gillnet fishery for salmon; identifies areas fished; follows fish from catch to delivery to processor. *h-c-a*
OSU EC free

Commercial bottom fishing

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Techniques used off Oregon coast. *j-h*
OSU VL (MAP 164, Cut 2, ½-inch) free
OSU VL (MAP C3, Cut 3, ¾-inch) free

Commercial fisheries in Oregon

1975. Transparencies (37), color. *j-h*
OSU MSC free loan for 1 week; write ahead to schedule

Conquering the sea

1967. Film, 25 min, color. "21st Century" series. Current research to help people harvest greater resources from the sea. People have used the sea as a means of transportation; how they will turn to oceans for new mineral and food resources. *h-c*
UH AV (F-1513)
UW AVS \$16.00

Continents adrift

1970. Film, 15 min, color. Theory of continental drift; paleomagnetism and seafloor spreading; first attempt (1970) to portray breakup of continents. *j-h-c-a*
UW AVS \$10.50

Coral wonderland

ANIB. 1950. Film, 30 min, color. Coral growths of Australia's Great Barrier Reef; colors of fish and other creatures. *i*
UC EMC \$20.00

Crayfish anatomy

Indiana University. 1961. Film, 11 min, color. External anatomy of a living crayfish; details of anatomy and reproductive system; blood circulation. *j-h-c*
UH AV

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Dangerous reef

Australian Museum. 1969. Film, 23 min, color. Three-month study of colony of Australian sea lions, on land and under water; social structure, harems, courtship, mating. *h*
UC EMC \$19.00

Decision making

1974. Video tape, 32 min, ½-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 146) free

Deep sea drilling project

1970. Film, 28 min, color. Account of first three legs of *Glomar Challenger* drilling program. Shipboard activities; concept of seafloor spreading. *h-c-a*
UW AVS \$7.00

Depreciation: Boat and equipment

1974. Video tape, 28 min, ½-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 143) free

Drowning bay

1970. Film, 9 min, color. Children's version of *Men at bay* (see page 41). Degradation of San Francisco's bays; environmental problems; dangers of abuse. *i*
UW AVS \$8.00

e e

E komo kai [Welcome to the ocean]

Film, 10 min, color. Water safety. *y-a*
UH SG free

Echinoderms

EBEC. 1961. Film, 17 min, color. Basic body plan of sea stars, feather stars, sea urchins, sand dollars, and serpent stars. *c*
UC EMC \$17.00

Ecology of a tidal slough

1970. Film, 18 min, color. Importance of river estuaries, tidal marshes, bays and sloughs as ecological units; effects on fishes, mollusks, invertebrates, and crustaceans. *j-h-c-a*
UW AVS \$10.50

Electric eel

MTS. 1954. Film, 12 min, color. Electric eel study shows close relationship between physical and biological science. Eel's electric discharge enables it to locate food, live in a particular environment, and prevent other animals from living there. *p-i-j-h*
UC EMC \$14.00

Embryonic development of a fish

1961. Film, 28 min, color. Development from fertilization to hatching (shown by magnification, time-lapse, and natural-speed photography). *h-c-a*
UW AVS \$10.50

Epidemiology of salmonellosis in man and animals

1964. Film, 15 min, color. Shows transmission patterns from contaminated feeds to food animals to humans. Only suggests means of control. *h-c-a*
UW AVS \$6.00

f f

Financial analysis

1974. Video tape, 32 min, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 148) free

First many-celled animals: Sponges

EBEC. 1962. Film, 17 min, b/w. Illustrates the greater efficiency of multicellular animals over that of single-celled animals. Reproductive processes, limited mobility, and adaptation to environment. *j*
UC EMC \$12.00

Fish and the seine net

1952. Film, 17 min, b/w. Semitechnical documentary. Makeup of seine nets and their uses. Underwater photography of fishing with a seine net. Action of Danish seine, reactions of fish, and escape from the nets. *c-a-s*
UH AV (F-918)

Fish farming

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Junior high students visit Oregon Aqua Foods, Oregon's first saltwater salmon-rearing facility. Operations explained. *j*
OSU VL (MAP 164, Cut 1, ½-inch) free
OSU VL (MAP C115, Cut 2, ¾-inch) free

Fish: Master of movement

CCM. 1968. Film, 12 min, color. "Living World of the Sea" series. Explores the complex and beautiful movements of fish within their natural environment. *j-h-c*
UC EMC \$16.00

Fish, Moon and tides: The grunion story

ACA. 1964. Film, 15 min, color. Relationship of grunion reproduction to the Moon and tides. Microphotography shows spawning, fertilization, growth of embryo, and hatching. *j-h*
UC EMC \$15.00
UW AVS \$7.00

Fish out of water

MIS. 1954. Film, 11 min, color. Grunion is one of the few fish that lays its eggs out of water. Closeup of female nesting in sand. Eggs are taken to lab to be studied with microphotography and time-lapse photography. Animated charts show movement of tides and how they affect hatching. *i-j-h-c*
UC EMC \$13.00

Fishing for Dungeness crab

1972. Video tape, 15 min, ½-inch, color. Documents a trip to sea on a crab boat. *y-a*
OSU VL (MAP 153, Cut 1) free

Fishing partners

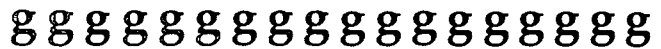
1945. Film, 18 min, b/w. Describes research carried on by the Biological Station of the University of Laval and the Fisheries Research Board of Canada to help cod fishermen in a Gaspé fishing village. Scientists pass on research to fishermen. *a*
UH AV (F-916)

Florida Everglades

Film, 15 min, color (also may be available in ¾-inch video tape cassette). Everglades as unique living system, totally dependent on water of right quality and abundance; the struggle between human needs and those of nature. *j-h-c-a*
UW UWP s\$185.00, r\$15.00

Flying at the bottom of the sea

IU. 1967. Film, 30 min, b/w. Shows research submarine *Alvin*, intended to operate at depths to 6,000 feet. Design, construction, and first research programs. *j*
UC EMC \$13.00



Granton trawler

1934. Film, 11 min, b/w. Early documentary on dragnet fishing off Scottish coast. *j-h-c-a*
UW AVS \$6.00

Great Barrier Reef

1968. Film, 26 min, color. Marine and bird life on Australia's Great Barrier Reef. *j-h-c*
UH AV (F-1691)



Handling and storing seafoods

1976. Casette tape/slide set, 27 2 x 2 slides. How to preserve freshness, high quality, and safety of seafood in the home. *h-c-y-a*
UC MAP s\$11.69

History, layer by layer

1967. Film, 23 min, color. "Earth and the Sea" series (marine science). Reconstruction of the earth's history from sediment cores from the ocean floor. Work of Lamont Geological Observatory research vessels in taking ocean-bottom cores. *h-c-a*
UW AVS \$9.50

Homely mollusk: Octopus vulgaris

CCM. 1968. Film, 13 min, color. "Living World of the Sea" series. Life cycle and physical characteristics; feeding habits; defense mechanisms (ability to change skin color and to paralyze attacker's sense of smell), including an attack by its mortal enemy, the moray eel. *j-h-c*
UC EMC \$16.00

How to eye and buy seafood

1976. Cassette tape/slide set, 27 2 x 2 slides. How to select high-quality seafoods at the market. *h-c-y-a*
UC MAP s\$11.65

Hunters of the reef

1971. Film, 25 min, color. Research techniques used underwater to study symbiotic relationships, survival and courtship tactics, and territorial claims of fish, sea urchins, pipe eels, etc. *h-c-a*
UH AV (F-1147B)
UW AVS \$13.50



Inside passage

Film, 25 min, color. A marine highway that winds from Puget Sound to the Gulf of Alaska, the inside passage shows the impact human activity has had on fragile environment (animal and plant life). *j-h-c-a*
UW UWP s\$325.00, r\$30.00

Intertidal zone

1974. Video tape, 15 min, 1/2-inch or 3/4-inch, color. Wide variety of marine life; interdependence in the area between high and low tides. *y*
OSU VL (MAP 163, Cut 1, 1/2-inch) free
OSU VL (MAP C114, Cut 1, 3/4-inch) free

Internal Revenue Service and tax withholding

1974. Video tape, 32 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 142) free

Introduction to intertidal plants and animals

1976. Cassette tape/slide set, 70 2 x 2 slides. Some of the commonest intertidal plants and animals. *i-j-h-c-y-a*
UC MAP s\$27.40 plus 6% sales tax where applicable

Investment credit in relation to taxes

1974. Video tape, 13 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 145) free

Isotopes in environmental control

Battelle Memorial Institute; U.S. Atomic Energy Commission. 1971. Film, 14 min, color. Shows how radioactive atoms are used to help safeguard the environment: neutron-activation analysis tracing oil spills; radioactive tracers showing absorption of oxygen by flowing water and determining drift of sand on ocean floor. *c*
UH AV (F-0705)



Life in the sea

EBEC. 1958. Film, 11 min, color. Main groups of life in the sea: plankton, the bottom-dwellers, and the free-swimming animals. Interrelationships of plants and animals. Economic importance. *i-j-h-a*
UC EMC \$14.00

Life of the coral reef

1958. Film, 29 min, color. "Survival in the Sea" series. Each coral reef has an outer, a middle, and an inner region; the differences in each; the dwellers in each. Shows fan, star, lettuce, brain, and other coral. *j-h-c-a*
UH AV (F-1415)

Life of the sockeye salmon

1973. Film, 25 min, color. Five species of Pacific salmon are mentioned; concentrates on sockeye salmon from egg to natural death 4 years later. Impact of commercial fishing.
UW AVS \$16.00
UW UWP s\$325.00



Marine animals of the open coast: A study of adaptation

1963. Film, 22 min, color. How these animals are modified to adapt to living conditions: intertidal area, surf-swept zone, splash zone, protected tidal pools, and sandy beaches. *i-j-h-c*
UW AVS \$11.50

Marine iguana: Variations on a theme

Harper and Row. 1971. Film, 23 min, color. Detailed study of an animal that exists only in the Galapagos Islands: the adaptations that enable it to dive for food; social organization; the ways it maintains body temperature. *h*
UC EMC \$20.00

Marine life

EBEC. 1962. Film, 11 min, color. Activities of octopuses, sea urchins, hermit crabs, reef fish, tiger sharks, porpoises, sea fans, etc., all seen in their natural environments. *j*
UC EMC \$14.00

Marine mammals

1975. Transparencies (70), color. Seals and sea lions native to the Oregon coast. *j-h*
OSU MSC free loan for 1 week; write ahead to schedule

Marine transportation

1974. Video tape, 15 min, 1/2-inch or 3/4-inch, color. Importance of coastal shipping; the maiden journey of Oregon-built barge *Skipanon*, from Portland to California; tankers and barges on Columbia River. y
OSU VL (MAP 165, Cut 2, 1/2-inch) free
OSU VL (MAP C115, Cut 2, 3/4-inch) free

Men at bay

1969. Film, 26 min, color. Case history of imminent destruction of San Francisco Bay. Shows how people are destroying a beautiful, useful, and well-loved natural resource. (*Drowning bay*, page 38, is a children's version of this film.) j-h-c-a
UW AVS \$15.00

Mollusca, reel 1

1941. Film, 14 min, color, silent. Representative mollusks, including a nudibranch, a snail, rapidly burrowing bivalves, a scallop, and the common squid. Details of bivalve foot in action; tentacles, mantle cirri, palps, and siphons; color of scallop eyes and pigment sacs of adult squid. h-c-a
UH AV (F-470)

Mollusks: Snails, mussels, oysters, octopuses, and their relatives

EBEC. 1955. Film, 14 min, color. Distinguishing characteristics and habitats of the five classes of mollusks, showing some of the ways in which they are useful to people. j-h
UC EMC \$11.00
UH AV (F-909)

Mussel specialist

1972. Film, 25 min, color. Behavior of animals to meet requirements of environment. Oyster catcher takes 4 years to learn tricks of prying open mussels and extracting them. j-h-c-a
UW AVS \$13.50



Night of the squid

1972. Film, 23 min, color. Jacques Cousteau traces the life cycle of the squid from wanderings in the deep to mating and spawning. A closeup of the squid's dramatic struggle for survival. j-h-c-a
UW AVS \$12.50

Northern elephant seal

EMC. 1962. Film, 15 min, color. Life cycle; behavior, including vocal communication, structure, and maintenance of dominance. h
UC EMC s\$210.00, r\$11.00
UH AV (F-1011)



Occupying an oceanographic station

1950. Film, 25 min, color. How water samples are taken from ocean depths, as well as oxygen samples and water temperatures from different depths. h-c-a
UH AV (F-1256)

Ocean bounty

1952. Film, 22 min, color. Demonstration of equipment used and methods of handling fish in Norway's large fisheries. h-c-a
UW AVS \$6.00

Ocean currents

1963. Film, 17 min, color. The constant motion of ocean water caused by tides, winds, currents. How differences in densities of hot and cold, freshwater and saltwater, cause convection currents. The northward and southward flow of masses of water as definite ocean currents. Influences of Coriolis effect and the location and shape of landforms in the currents' paths. j-h
UW AVS \$9.50

Ocean fresh: The story of tuna packing in Hawaii

1955. Film, 15 min, color. Commercial tuna fishing off the Oahu coast.
UH AV (F-1044)

Ocean land grab

1975. Video tape cassette, 60 min, 3/4-inch, color. Law of the Sea concepts: "ownership" of the oceans and their resources, rights to navigation, responsibility for protecting oceans from pollution and overexploitation. j-h-c-a
UW DMR \$10.00

Ocean tides

EBEC. 1957. Film, 14 min, b/w. Animation explains how tides are formed. Shows 40-foot tides and reversing fall rapids of the St. John River, New Brunswick, Canada. i
UC EMC \$11.00

Ocean tides: Bay of Fundy

1957. Film, 14 min, color. Maps and charts explain causes of tides and reasons for extreme high and low tides in Canada's Bay of Fundy. j-h
UW AVS \$7.00

Oceanographers in the polar regions

1967. Film, 29 min, color. The challenges of oceanographic research in Arctic and Antarctic; mastering the oceans for defense and economic betterment of humanity. h-c-a
UW AVS \$3.00

Oceanography and the Puget Sound model

1974. Film, 9½ min, color. What oceanography is all about; oceanographers use scaled hydraulic model of Puget Sound to obtain better understanding of environmental problems. *j-h-c-a*
UW DMR \$5.00

Octopus: The unique mollusk

1973. Film, 14 min, color. The octopus' unique method of reproduction and hatching of larvae. How it manages to survive. *i-j-h-c-a*
UW AVS \$9.50

Oil on Washington waters

1975. Video tape cassette, 59 min, ¾-inch, color. *Oil and water—will they mix?* (documentary on problems of oil transfer on Puget Sound) is followed by panel discussion of alternatives. *j-h-c-a*
UW DMR \$10.00

Oregon trawler

1975. Video tape, 12 min, ½-inch, color. Rigging and operation of 76-foot steel-hull trawler operating out of Coos Bay. Emphasizes safety and convenience of stern drum winches. *a-s*
OSU VL (MAP 151) free

Oregon trawler

1976. Film, 12 min, color. Revised edition (see above for content) to include simpler, nontechnical narration. *j-h-c-a*
OSU EC free

Oregon's estuaries

1974. Transparencies (37), color. *j-h*
OSU MSC free loan for 1 week; write ahead to schedule

Oregon's rocky intertidal life

1973. Transparencies (41), color. *j-h*
OSU MSC free loan for 1 week; write ahead to schedule

Otter trawling

Film, 21 min, color. Description of fishing (trawling) with the otter net. Drawings illustrate net's operation below the surface. Life aboard a trawler. *j-h-a*
UH AV (F-919)

Oyster farming

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Techniques of oyster culture in Oregon. Visits to coastal oyster farms. *y*
OSU VL (MAP 162, Cut 1, ½-inch) free
OSU VL (MAP C3, Cut 4, ¾-inch) free

Oysterman

1950. Film, 18 min, b/w. Oyster farming in the Gulf of St. Lawrence: stages of oyster cultivation, sampling of minute larvae, staking of oyster beds, culturing of spat until they can be transferred to their natural habitat, ensnaring starfish that prey on the oysters, grading and shipping.
UH AV (F-921)

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Plankton and the open sea

EBEC. 1962. Film, 19 min, color. Biology program. Ecology and environmental science. Distribution of plankton, dependence of one kind on another; how an attempt is made to determine the amount of food available at the base of the food chain. *j-h*
UC EMC \$13.00
UW AVS \$10.50

Plankton: The endless harvest

1971. Film, 18 min, color. The minute plants and animals of the sea; their place in the food chain. Numerous species shown. *i-j-h-c-a*
UW AVS \$10.50

Plankton: Pastures of the ocean

1966. Film, 10 min, color. Uses live sequences and microphotography to show the importance of plankton in the ecologic structure of the ocean environment and the possibility that plankton may someday become a major source of food. *i-j-h*
UH AC (F-551)

Polar ecology

1963. Film, 23 min, color. The significance of such concepts as the food chain, the pyramid of numbers, and the predator-prey relationship in the organization of animal communities. Applies these concepts to Arctic and Antarctic animals.
UH AV (F-1012)

Pollution in paradise

1963. Film, 50 min, color. Human pollution of air and water resources in the Pacific Northwest; sources and effects of pollution; political and economic consequences in Oregon. *h-c-a*
UW AVS \$11.50

Predator behavior in the shell-boring snail

1973. Film, 15 min, color. Slow motion shows how tiny snails can wreak havoc in oyster beds. They cause not only mechanical abrasion but also chemical dissolution. *j-h-c-a*
UW AVS \$9.50

Profit: What it is

1974. Video tape, 30 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. a-s
OSU VL (MAP 141) free

Project Deep Probe

1969. Film, 28 min, color. Scientists try to determine how earth looked millions of years ago, testing theory that earth was once a single body of land rather than the continents we know. Shows *Glomar Challenger* probing for samples from 20,000 feet. h-c-a
UW AVS \$11.50



Rebuilding of a port

Film, 12 min, color. A "before and after" look at the Port of Seattle; improvements in the port to handle new container way of shipping goods; projections for future growth. j-h-c-a
UW AVS \$3.00

Record keeping

1974. Video tape, 26 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. a-s
OSU VL (MAP 149) free

Reef at Michaelmas Cay

1970. Film, 10 min, color. Marine ecology of coral reef off Australian coast. Shows varieties of coral, fish, and other sea creatures that balance each other to make a relatively unspoiled ecosystem. h-c-a
UW AVS \$8.00

Research vessels

1974. Video tape, 15 min, 1/2-inch or 3/4-inch, color. Studio demonstration of instruments used on board oceanographic vessels. y
OSU VL (MAP 161, Cut 1, 1/2-inch) free
OSU VL (MAP C3, Cut 2, 3/4-inch) free

Restless sea

1964. Film, 54 min, color. "Science" series. A study of oceanography, including the composition and characteristics of seawater, formation of tides, what waves are, tracing and charting of currents, circulation of seawater, plant and animal life, and new techniques for studying the ocean floor. Partially animated. j-h-c
UW AVS \$3.00

Review of Professional Fishermen's Marine Economics Workshop

Video tape, 19 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist sums up. a-s
OSU VL (MAP 150) free

Ripple tank wave phenomena I: Reflection, refraction and dispersion

1961. Film, 17 min, b/w. A logical sequence of water phenomena, projected on ground glass, photographed with high-speed camera. h-c-a
UH AV (F-948)

Risk in decision making

1974. Video tape, 19 min, 1/2-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. a-s
OSU VL (MAP 147) free



Salmon: Life cycle of the sockeye

BFA. 1951. Film, 11 min, color. From birth in inland waters, through maturity in the ocean, to return to freshwater streams to spawn and die. Importance of the salmon fishing industry to the Pacific Northwest. i-j-h
UC EMC \$13.00

Salmon research: Water pollution

1973. Film, 8 min, color. Shows fish being implanted with sensing devices to measure effect of pollution on heart rate, blood pressure, oxygen levels, etc. j-h-c-a
UW AVS \$8.00
UW WWP s\$95.00

Salmon run

1945. Film, 20 min, color. The salmon industry of British Columbia; the life cycle of the sockeye salmon, which swims up the Fraser River each year to spawn. UH AV (F-925)

Schlieren imaging of acoustic waves

1970. Film, 19 min, color. Demonstrates reflection, refraction, and propagation of sound waves in and around obstacles of various shapes and materials. Relates these phenomena to the acoustics of the ocean—to the analogous surface waves of the ocean and their interaction with coastlines, harbors, and islands. c
UH AV (F-1131)

Science of the sea

IFB. 1958. Film, 19 min, color. Scientists check the many interrelationships between sea and land; air and water currents, water samples, measurement of topography, and sampling of ocean floor's rocky layer.

j-h-c-a

UH AV (F-913)

Sea

EBEC. 1962. Film, 27 min, color. Ecology and environmental science. Interdependence of plant and animal life, food supply, adaptability of plants and animals, rich variety of animal life, and the natural beauty and importance of the marine biome.

Geography of the sea, partially animated. Deep sea exploration. *j-h*

UC EMC \$15.00

UW AVS \$10.50

Sea horse

CCM. 1968. Film, 12 min, color. Shows anatomy, feeding, and birth of young. Animation shows function of the bladder (air) and counter-current exchange system. *j*

UC EMC \$16.00

Sea lions and fur seals

Harper and Row. 1971. Film, 19 min, color. Studies two populations of sea lions. Observes grooming, feeding and mating habits, social organization, and adaptations. *j*

UC EMC \$18.00

Sea otters of Amchitka

Thorne. 1959. Film, 45 min, color. Sea otters in actual life situations: life history, ecology, and behavior. *h*

UC EMC \$25.00

Sea urchin

1948. Film, 10 min, b/w. Life cycle of a close relative of the starfish. Male and female anatomies; the process of fertilization; segmentation; differentiation into layers, with formation of the body cavity. Animation shows the metamorphosis of larva into adult. *j-h-c*

UH AV (F-514)

UW AVS \$6.00

Seafood facts and bargains

1976. Cassette tape/slide set, 27 2 x 2 slides. The current world fisheries situation. *h-c-y-a*

UC MAP s\$11.65

Seafood processing

1974. Video tape, 15 min, ½-inch or ¾-inch, color. Two Oregon seafoods, Dungeness crab and salmon, are followed from dock to cannery; processing techniques are shown. *y*

OSU VL (MAP 165, Cut 1, ½-inch) free

OSU VL (MAP C103, Cut 1, ¾-inch) free

Seafood wise

1979. 66 slides, cassette tape, script. Tips for selecting and preparing seafood at home; keyed to Pacific Northwest seafoods. *a*

OSU EC free

Seal island

Disney. 1949. Film, 27 min, color. Shows complete life cycle of Alaska fur-bearing seals, on their remote harem reefs in the Bering Sea. *j*

UC EMC \$22.00

Seaweeds

1971. Film, 22 min, color. Background on general types of seaweed harvested, industrial and popular uses, and need for continued research in seabed farming. *j-h-c-a*

UW AVS \$13.50

Shoreline management

Produced for EPA by Marsha Iverson. Tape/slide set, 80 35-mm, color slides. Defines types of shoreline environments, uses, and needs for planning. *j-h-c-a*

UW SC free

Shoreline management

University of Washington School of Communications. Film, 10 min, color. The need for shoreline management in the Puget Sound area. *j-h-c-a*

UW SC free

Silvers for San Francisco Bay

1975. Film, 8 min, color available. Describes cooperative research in salmon aquaculture for sports fisheries. *a*

UC MAP s\$75.00, r\$free

Small craft warnings

1978. Video tape cassette, 60 min, ¾-inch, color (also available in 16-mm film). The chronic shortage of pleasure-boat moorage and the attempts of public and private developers to do something about it. *h-c-a*

UW DMR \$10.00

Sounds in the sea

1955. Film, 16 min, color. Sounds beneath the sea—fish, crustaceans, and mammals identified by sounds they produce. *j-h-c-a*

UW AVS \$6.00

Starfish realm

1971. Film, 14 min, color. Starfish and other aquatic creatures in both lab and ocean settings. Shows starfish, anemone, sea slug, and other creatures, and lab encounter between crab and octopus. *h-c-a*
UW AVS \$9.50

Stinging-celled animals: Coelenterates

IU. 1962. Film, 16 min, b/w. Shows coelenterates in their natural underwater habitats: anemone, hydra, Portuguese man-of-war, and jellyfish. *c*
UC EMC \$12.00

Strange partners: Symbiosis in the sea

CCM (Macmillan). 1968. Film, 11 min, color. "Living World of the Sea" series. Explanation of mutualism, commensalism, and parasitism, with natural scenes demonstrating each category (pearlfish living within a sea cucumber; the neon goby cleaning the gills and mouth of the moray eel). Ecological effects of "cleaning stations" on the area. *j-h-c-a*
UC EMC \$16.00

Survival factor: Defense mechanisms in the sea

CCM. 1970. Film, 12 min, color. Defense mechanisms of sea creatures in deep water and at sea bottom: speed, countershading, disruptive coloration, weapons, etc. *j-h*
UC EMC \$16.00

Survival in cold water

1977. Cassette tape/slide set, 19 x 2 slides. Hypothermia; several methods for increasing your survival time in cold water. *j-h-c-y-a*
UC MAP s\$8.97



Tax deductions

1974. Video tape, 13 min, ½-inch, b/w. "Professional Fishermen" series. Marine economist discusses and illustrates fishery economics. *a-s*
OSU VL (MAP 144) free

They share the sea

1972. Film, 18 min, color. Importance of the ocean; interdependence of plant and animal life; using the resources of the sea; overview of OSU Sea Grant College Program. *h-c-a*
OSU SGC free

Those Dungeness crab of the deep blue

1971. Film, 28 min, color. Catching, processing, and preparing Dungeness crab for the consumer. Home economics oriented. *j-h-c-a*
HSU MAES loan on 2-week basis; must be insured and postage-paid when returned

Three fishermen

NFBC. 1964. Film, 28 min, b/w. Compares the lives of fishermen in Greece, Thailand, and Canada. *j*
UC EMC \$14.00

Tide pool life

CFD. 1947. Film, 11 min, color. Species of marine life found near rocky shores and tide pools: mussels, whelks, sea anemones, sea urchins, and abalone. Shows sources of food and means of protection. Elementary version. *p-i-j*
UC EMC \$13.00

Tides of the ocean

1964. Film, 16 min, color. What tides are, how the Sun and Moon cause them, and how people use them. Partially animated. *i-j*
UW AVS \$8.00

Tillamook Bay

1974. Video tape, 15 min, ½-inch, color. Explains the process and problems of dredging the debris-filled bay and its inlets, after 1971-1972 floods. *y-a*
OSU VL (MAP 153, Cut 2) free

Time of the first Moon

KGW-TV (Portland, Oregon). 1976. Video tape, 60 min, ½-inch, color. Looks at conflicts of commercial and sport fishing interests with Indian treaty rights to Columbia River fish. *a-s*
OSU VL (MAP 158, Cut 1; MAP 159, Cut 2) free

To catch a meal: Feeding in the sea

CCM. 1969. Film, 12 min, color. "Living World of the Sea" series. Wide-ranging eating patterns of several species: the barnacle snaring the cilia; the angler luring the victim; the sea horse's use of vacuum; the man-of-war's use of venom; the octopus; a number of predators and scavengers. *j-h*
UC EMC \$16.00

To catch a trout

1973. Film, 10 min, color. Artificial propagation of fish and their release into lakes: trapping, stripping of eggs, fertilization, care, and eventual release. *j-h-c-s*
UW AVS \$9.50
UW UWP s\$140.00

Torrey Canyon disaster

1968. Film, 26 min, color. The giant tanker's wreck, resulting oilspill, attempts to salvage flora and fauna. Legal and social consequences. *j-h-c-a*
UW AVS \$10.50

Troubled waters: It's no fish story

1975. Video tape cassette, 56 min, 3/4-inch, color. Problems of commercial fishermen who face rising costs, increased competition, diminishing stocks. Consumer views about various seafoods. *j-h-c-a*
UW DMR \$10.00

Tuna fishing

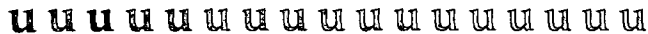
Paul Hoefler Productions. 1947. Film, 11 min, b/w. Shows a tuna clipper's cruise to Central American fishing banks, with fishing scenes near the Galapagos Islands—preparation of poles and lines, gathering bait, catching tuna by hook and line, and pulling in the fish. *i-j-h-c-a*
UH AV (F-490)

Tuna packing

Paul Hoefler Productions. 1947. Film, 11 min, b/w. Tuna processing from the unloading of frozen fish until it is ready for market: unloading, cleaning, inspecting, packing, and shipping canned tuna and byproducts. *i-j-h-c*
UH AV (F-487)

Turbulent ocean

1974. Film, 59 min, color. Planning and execution of one of largest deep sea expeditions in 20th-century oceanographic research, to study motions beneath the surface of the sea. *j-h-c-a*
UW AVS \$19.00



University of Hawaii

1967. Film, 10 min, color. Shows unusual activities at the university: fruit fly laboratory at the Pineapple Research Institute, volcano studies, Asian music and instruments, marine biology at Coconut Island. *j-h-c*
UH AV (F-537 4c)



The vanishing beach

1977. Video tape cassette, 30 min, 3/4-inch, color. Problems of beach use and access; the Coastal Zone Management Act. *j-h-c-a*
UW DMR \$10.00

Vermillion Sea expedition: Hydrographic work

1963. Film, 13 min, color. Follows two research vessels of the Scripps Institution of Oceanography to the Gulf of California. Shows hydrographic crew at work and their methods of gathering data. *c-a*
UC EMC \$13.00



Wave and surf action

1974. Video tape, 15 min, 1/2-inch or 3/4-inch, color. Techniques for measuring day and night wave and surf action, explained by the Coast Guard and the staff at OSU Marine Science Center, Newport. *y*
OSU VL (MAP 163, Cut 2, 1/2-inch) free
OSU VL (MAP C103, Cut 2, 3/4-inch) free

Waves across the Pacific

1967. Film, 32 min, color. Nature of ocean waves and their loss of energy, from the time Antarctic storms set them in motion to their arrival on the Alaskan coast. Sites for wave stations, including FLIP (Floating Instrument Platform), in the North Pacific. *h-c-a*
UW AVS \$10.50

Waves in fluids

1964. Film, 32 min, b/w. Visualizes some basic phenomena of wave motions in fluids: one-dimensional surface gravity waves in a 32-foot channel and 28-foot flume; shallow and deepwater waves, waves of small and large amplitude, steepening of compression waves, and spreading of expansion waves. Distinction between particle motion and wave motion. *h-c-a*
UH AV (F-1380)
UW AVS \$7.00

Waves on water

EBEC. 1965. Film, 16 min, color. Characteristics of waves and wave motion on the sea surface; wind and underwater earthquakes as sources of wave energy. How particles in a wave describe circular orbits of a size inversely related to depth. *j-h-c-a*
UC EMC \$17.00
UH AV (F-848)
UW AVS \$8.00

Whales

1972. Film, 21 min, color. Jacques Cousteau sails the last wooden whaling boat, conducts series of studies with whales in open sea. Also shows experiment with whale at Marine World in California. *i-j-h-c-a*
UW AVS \$12.50

Whaling

1957. Film, 15 min, b/w. Describes the harpooning of the whale and the uses of whale oil. Includes folk songs and dances. *i-j-h*
UH AV (F-486)

What is a fish?

EBEC. 1963. Film, 22 min, color. Biology program. Major types of fish, evolutionary development; habits, characteristics, anatomy, and reproductive processes.
h-a
UC EMC \$14.00

World in a marsh

1958. Film, 22 min, color. Shows variety of life forms that inhabit a marsh. *i-j-h*
UW AVS \$9.50

Mailing Addresses

HSU MAES	Marine Advisory-Extension Service Humboldt State University Arcata, CA 95521	OSU WRRRI	Water Resources Research Institute Covell Hall 115 Oregon State University Corvallis, OR 97331
NMFS LJ	National Marine Fisheries Service Southwest Fisheries Center P.O. Box 271 La Jolla, CA 92037	UA CES	Cooperative Extension Service University of Alaska Fairbanks, AK 99701
NMFS PURC	Pacific Utilization Research Center National Marine Fisheries Service 2725 Montlake Blvd. East Seattle, WA 98112	UA FEMA	Fisheries Extension Marine Advisory University of Alaska Fairbanks, AK 99701
NMFS TI	National Marine Fisheries Service 300 S. Ferry St. Terminal Island, CA 90731	UC DAS	Publications Division of Agricultural Sciences University of California 1422 S. 10th St. Richmond, CA 94804
OSU BC	Bulletin Clerk, Industrial Bldg. Oregon State University Corvallis, OR 97331	UC EMC	Extension Media Center University of California Berkeley, CA 94720
OSU EB	Extension Business Office Ext 118 Oregon State University Corvallis, OR 97331	UC MAP	Marine Advisory Program Dept. of Animal Physiology 554 Hutchinson Hall University of California Davis, CA 95616
OSU EC	Extension Communication (MAP) AdS 422 Oregon State University Corvallis, OR 97331	UH AV	AudioVisual Center Sinclair Library University of Hawaii Honolulu, HI 96822
OSU FWL	Dept. of Fisheries and Wildlife Nash Hall Oregon State University Corvallis, OR 97331	UH SG	Sea Grant Program University of Hawaii 2540 Maile Way Honolulu, HI 96822
OSU MSC	Marine Education Specialist OSU Marine Science Center Newport, OR 97365	UW AVS	Audiovisual Services Administration Bldg., AC-30 University of Washington Seattle, WA 98105
OSU SGC	Sea Grant Communications AdS 418 Oregon State University Corvallis, OR 97331	UW DMR	Sea Grant Communications Division of Marine Resources 3716 Brooklyn Ave. N.E., HG-30 University of Washington Seattle, WA 98105
OSU SO	School of Oceanography Oregon State University Corvallis, OR 97331	UW SC	School of Communications University of Washington DS-40 Seattle, WA 98105
OSU UP	Oregon State University Press Waldo 101 Oregon State University Corvallis, OR 97331	UW UWP	University of Washington Press 41st and Brooklyn Seattle, WA 98105
OSU VL	Videotape Library Extension Communication AdS 422 Oregon State University Corvallis, OR 97331		
OSU WH	Courtland L. Smith Dept. of Anthropology Waldo 228 Oregon State University Corvallis, OR 97331		

Other Sources

Aquatic biology and oceanography: A selected list of books

Paul T. Macy and Ida K. Johnson. Reprinted 1968. Booklet, 9 pp., 10 x 8. Fishery Leaflet 541. National Marine Fisheries Service, Southwest Fisheries Center, P.O. Box 271, La Jolla, CA 92037. Free.

Audiovisual services materials catalog

University of Washington. 1976-77. 156 pp., 8½ x 11. Lists audiovisual materials by subject area and alphabetically by title. University of Washington Audiovisuals, Administration Bldg., AC-30, Seattle, WA 98105. \$2.00

Bibliography of environmental media

Stephanie Hoag, ed. 1975. Booklet, 56 pp., 8½ x 11. Lists audiovisual materials dealing with environmental problems and their sources in the Seattle area. Addresses for 21 sources given. Institute for Environmental Studies, University of Washington, Seattle, WA 98105. Free.

Books in marine studies

University of Washington Press. 1974. Booklet, 12 pp., 5½ x 8½. Lists publications in marine biology, fisheries, oceanography, ecology, and public policy. Includes order form and sales information. University of Washington Press, Seattle, WA 98105. Free.

Films 1975-1976

University of California Extension Media Center. 1975. Catalog, 300 pp., 8½ x 11. Extensive listing of films and audio tapes, many on or related to marine resources and marine environment. Extension Media Center, University of California, Berkeley, CA 94720. Free.

Marine education bibliography

Christopher M. Dewees and Jon K. Hooper. Leaflet, 8½ x 11. Lists hundreds of technical and nontechnical references. Publications, University of California Division of Agricultural Sciences, 1422 S. 10th, Richmond, CA 94804. Free.

Publications available from the Pacific Utilization

Research Center and Environmental Conservation Division

National Marine Fisheries Service. 1975. A list of available technical papers and reprints of fishery technological, chemical, and microbiological research. Supply limited. Pacific Utilization Research Center, National Marine Fisheries Service, 2725 Montlake Blvd. East, Seattle, WA 98112. Free.

Publications list

Oregon State University Extension Service and Agricultural Experiment Station. 1978. Booklet, 28 pp., 4 x 8½. Lists available publications, including titles on marine subjects. Bulletin Clerk, Industrial Bldg., Oregon State University, Corvallis, OR 97331. Free.

Reading in marine science

Victor T. Neal and Sally A. Kulm. 1968. Booklet, 28 pp. Supply limited. Bookstore, Oregon State University, Corvallis, OR 97331. \$.35

Sea Grant College Program publications list

University of Hawaii Sea Grant College Program. Booklet, 35 pp., 5½ x 8½. Lists various publications produced by Sea Grant and by the Cooperative Extension Service. Includes preaddressed request card. University of Hawaii, Sea Grant College Program, 2540 Maile Way, Honolulu, HI 96822. Free.

Sea Grant Marine Advisory Program publications

Oregon State University Extension Service. List, revised periodically, shows all current publications produced by Sea Grant MAP (SG) and Pacific Sea Grant Marine Advisory Program (PS). Extension Communication (MAP), Oregon State University AdS 422, Corvallis, OR 97331. Free.

Washington Sea Grant publications 1975-76

Booklet, 16 pp., 8½ x 11. Lists publications and audiovisuals of broad public interest on marine science. Includes order form for fish-cookery publications by the Washington State Dept. of Fisheries and for those available from the University of Washington Press and Washington Sea Grant Communications. Address: Sea Grant Communications, Division of Marine Resources, 3716 Brooklyn Ave. N.E., HG-30, University of Washington, Seattle, WA 98105. Free.