

RESUME

RONALD C. PHILLIPS

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EDUCATION

B.S. Wheaton College. Biology. 1954
M.S. Florida State University. Botany. 1956
Ph.D. University of Washington. Botany. 1972

PREVIOUS POSITIONS

Battelle, Pacific Northwest National Laboratory
P.O. Box 999; P7-79
Richland, Washington 99352
U.S.A.
Sept. 1991 - February 1998

Seattle Pacific University
Seattle, Washington 98119
U.S.A.
Sept. 1961 - August 1991

Florida State Board of Conservation
St. Petersburg, Florida
U.S.A.
Sept. 1957 - August 1961

EXPERIENCE

Dr. Phillips has extensive experience in ecosystem analysis, field operation, and experimental design. He has performed studies on freshwater submergent vegetation and plankton throughout the United States and seagrass investigations around the world. He has designed and implemented sampling plans for assessing and mitigating eelgrass damage. He has performed freshwater delineations in Washington State. He has performed a shoreline monitoring and planting project of freshwater vegetation for the Walla Walla Corps of Engineers District along the Snake River from Clarkston, Washington, to the Tri Cities. He has assisted in the preparation of Environmental Impact Statements for the U.S. Department of Energy. He was Project Manager of a Tradeoff Analysis for Wetlands Mitigation Banking for the U.S. Army Corps of Engineers. He has taught at several universities, including the Katholieke Universiteit in The Netherlands, Seattle Pacific University, the University of Texas, and the University of Oregon. Dr. Phillips' publications began in 1956 and continue today.

Dr. Phillips has 36 years experience as an educator and consultant in the fields of ecology, botany, and marine science. He is recognized as an authority on the systematics, ecology, and transplanted of seagrasses, algae, and wetlands.

Dr. Phillips has traveled to and has personal experience with seagrasses in 33 countries. He has investigated seagrass distribution, habitat characterization, ecology, phenology, and transplanted in many parts of the world. He conducted a seagrass transplanted project on dredged materials, and designed and performed field work involving transplanted in a large experimental field project that extended from the Aleutian Islands, down the west coast of North America, throughout the Gulf of Mexico, along the east coast of North America, and throughout the Caribbean. He has transplanted and studied seagrasses in several places in the Philippines, in

Japan, in China, in Australia, and in the Arabian Gulf. He has studied seagrasses in the United Kingdom, in The Netherlands, and along the entire Mediterranean coast and along the Brittany coast of France. Finally, he has studied the seagrasses in the Black Sea of the Ukraine and studied and transplanted seagrasses in the White Sea area of Russia.

Dr. Phillips served on a committee with the Washington State Department of Ecology to develop criteria to assess injury and damage to a wide variety of marine organisms due to oil spills in the marine waters of Washington State. Dr. Phillips designed and implemented sampling plans for eelgrass mitigation and damage assessment at Alki Point and South and North Beach, West Point, and at Fidalgo Bay, Washington. He surveyed an eelgrass transplant site in Bellingham Bay, Washington. He served on eelgrass transplant projects for the John Wayne Marina, Port Angeles, Washington, Ship Harbor Marina at Anacortes, Washington, and at Coos Bay, Oregon. He investigated the possible impacts on eelgrass in Prince William Sound, Alaska, following an oil spill. He served on the Eelgrass Working Group for the Washington State Department of Natural Resources from 1986 to 1987. He also participated in the Seattle Aquarium, 'Create a Habitat Project' . eelgrass transplant project.

Teaching Experience

Pacific
general
cell

Dr. Phillips taught vascular plant taxonomy (which included western and eastern Washington, alpine meadows, and estuarine and fresh-water habitats), at Seattle University from 1964 until 1990. He was a Visiting Professor at the Katholieke Universiteit in The Netherlands in 1983. He has also taught general biology, botany, general ecology, marine botany (including systematics of marine algae, seagrasses, marsh plants, mangroves, and ecosystem processes), microbiology, biology and ecological field methods.

Biological Evaluations/Assessments

Dr. Phillips characterized plant habitat and conducted a risk assessment for a proposed small hydroelectric project and transmission line. He evaluated the marine environment for a pulp mill wastewater lagoon. He reviewed data and literature for the Coatzacoalcos-Minatitlan Environmental Rehabilitation Plan in Mexico and an Environmental Impact Statement regarding marine resources in Discovery Bay, Washington. He surveyed existing conditions at a wet pond in Gig Harbor, Washington, and served as project scientist on a wetland delineation project in Bothell, Washington. He conducted a rare plant survey for a proposed state highway extension in Medford, Oregon. He reviewed the literature and assessed damage onsite from an oil spill in Upper Galveston Bay, Texas.

Dr. Phillips surveyed and mapped emergent and submergent plants in two lakes on Blakely Island, Washington, and conducted a taxonomic and quantitative study of the phytoplankton there. He also led a surfgrass mitigation project near Santa Barbara, California.

Northwest
Coastal Ecosystems
restoration of habitats
1981. He participated in a

Dr. Phillips has presented papers at a number of conferences and symposia, including the Seventh and Ninth Annual Conferences on the Restoration of Coastal Vegetation in Florida (1980, 1982), the PASGAP Seaweed Symposium (1980), the Society of Wetland Scientists Regional Meetings (1992, 1994), two meetings of the International Congress of Ecology (1974, the Hague, The Netherlands; 1976, Jerusalem, Israel), and the International Botanical Congress (1980, Sydney, Australia), and at the Scientific Affiliation annual meeting (1994). He participated in the Workshop at Oregon State University and a workshop on the impacted by oil spills at Virginia Polytechnic Institute in seagrass workshop at the Harbor Branch Foundation in Ft.

Pierce, Florida, in 1982. Dr. Seagrass Biology Workshop held at a keynote address at the International University of the Philippines in 1998.

Phillips presented three papers at the International Rottneest Island, Australia, in 1996, and gave Seagrass Biology Workshop held at the

He has lectured at universities and to lay groups all over the world, including Japan, Australia, Philippines, Taiwan, China, and the U.S.S.R. He was a member of the Padilla Bay Sanctuary Research Advisory Committee in Anacortes, Washington, since 1984. He was chairperson of the symposium on Tropical-Subtropical Seagrasses of the Southeastern United States in Gainesville, Florida, in 1985, and the keynote speaker at the Second Annual California Eelgrass Symposium in Chula Vista, California, in 1988. Dr. Phillips presented a paper at the 1995 Annual Meeting of the Puget Sound Water Quality Authority meeting.

Dr. Phillips worked on a variety of projects with the Pacific Northwest National Laboratory National Environmental Policy Act (NEPA) Compliance Staff from 1991-1998. He was the Point-of-Contact for Battelle and the U.S. Department of Energy (DOE) on all NEPA matters, and was the Project Manager for the NEPA-funded project from the U.S. DOE. He has coordinated and facilitated interactions with Battelle Project Managers and Line Management and the DOE-Richland Operations Office personnel on numerous activities requiring NEPA documentation. He worked on two Environmental Impact Assessments and served on a review board for two to three others. He has reviewed and commented on several Environmental Assessments. He has guided the preparation and prepared numerous Categorical Exclusion documents. His primary function was to ensure that the work performed at Battelle which required NEPA documentation was performed in a timely fashion and with the proper documentation.

Dr. Phillips was enrolled in several 2-day Executive Enterprises, Inc., training classes, e.g, NEPA Documentation: EAs and EISs, Environmental Laws and Regulations, and Hot EA/EIS Topics. He was enrolled in the 40-hour OSHA CERCLA-training course. He had five management training courses while at Battelle.

Since January 2001, Dr. Phillips has been developing a State of Florida Seagrass Conservation Plan. This work entails coordinating historical and present seagrass work in Florida, as well as developing a management plan and policy for the conservation of seagrasses throughout the State of Florida.

Training Courses At Battelle

Management Training Courses

- The Manager as Leader
- Principles of Management
- The Model Leader: A Fully Functioning Person
- Ethics
- The Practice of Leadership

Executive Enterprises, Inc.

- NEPA Documentation
- Environmental Regulations
- Hot EA/EIS Topics

OSHA 29 CFR 1910.120(e) and)p): 40 hour course

Battelle Courses

Introduction to Occurrence Reporting
Risk Evaluation
Radiation Safety Training
How to Survive an Audit
Surveillance Methodology
Project Management

External Vendors

Washington State Environmental Law
RCRA Training Course
Advanced and Emerging Techniques for Improving NEPA Assessment:
Colorado State University

Research Experience

Distribution, ecology, transplantation, and mitigation of seagrasses from all over the world
Ecology and systematics of marine algae from the western tropical Atlantic, the Pacific coast of North America, the Atlantic coast of North America, and an acquaintance with the marine algae of the Indo-Pacific region
Fresh-water and marine phytoplankton
Taxonomy, zonation, and standing crops of benthic plants in two lakes in western Washington State
Riparian and playa vegetation of southeast Washington State and northern Texas

Project Management

Phenology and transplantation of seagrasses. U.S. National Science Foundation. Office of the International Decade of Ocean Exploration
Shoreline monitoring and planting of vegetation along the Snake River riparian zones (for the Walla Walla District, Corps of Engineers; Mr. Lonnie Mettler, Project Manager for the Corps of Engineers)
Wetlands-Wastewater Treatment. A literature survey for the Waterways Experiment Station, Mr. Mark Dortch
Tradeoff Analysis for Wetland Mitigation Banking for the Waterways Experiment Station, Dr. Jean O'Neill
Environmental Impact Statement on Occurrence and Spread of Purple Loosestrife (*Lythrum salicaria*, *L. alatum*) in Washington State. For Seattle District, Corps of Engineers
Texaco NRDA Eelgrass Study. Fidalgo Bay near Anacortes, Washington. Texaco, U.S.A.

Project Participant at Battelle

Ecological Risk Assessment for Radionuclides
Hanford Site Environmental Risk Assessment
Yakima Basin Fish Acclimation Sites: Wetland Assessment
Pantex Plant, U.S. Department of Energy, Amarillo, Texas. Playa Wetland Assessment

U.S. Department of Energy: several projects involving wetland assessment at several U.S. DOE sites

Administrative Experience

Botany Department Chairman. Seattle Pacific University. 1961-1972.
Biology Department Chairman. Seattle Pacific University. 1972-1978.
Biology Department Chairman. Seattle Pacific University. 1981-1986.
Principal Investigator and Grant Administrator. Seagrass Ecosystem Study. NSF/IDOE. 1974-1981.
Project Manager for six projects at Battelle. Sept. 1991 to 1998
Project Manager for the NEPA Compliance Project. For U.S. DOE. 1992-1998

AWARDS

Phipps-Bird Award. Best research paper of 1960 published in the Quarterly Journal of the Florida Academy of Science. 1961.
Burlington Northern Foundation. Scholar of the Year Award. Seattle Pacific University. 1985.
U.S. National Academy of Sciences. U.S.-East European Exchange Program with the Soviet Union. Seagrass study. 1989

PROFESSIONAL MEMBERSHIPS

Society of the Sigma Xi
Society of Wetland Scientists

PROFESSIONAL ACTIVITIES

International Seagrass Workshop. Leiden. The Netherlands. 1973
First International Congress of Ecology. The Hague. The Netherlands. 1974
Workshop on Seagrass Transplantation. U.S. Army Corps of Engineers. Waterways Experiment Station. Vicksburg, Mississippi. 1975
Workshop on Creation of Coastal Ecosystems. University of Georgia. 1976. (Sponsored by U.S. Fish and Wildlife Service)
Fourth Annual Conference on Restoration of Coastal Vegetation in Florida. Tampa. 1977
Second International Congress of Ecology. Jerusalem, Israel. 1978
Coastal Ecosystems Workshop. University of Oregon. 1978. (Sponsored by U.S. Fish and Wildlife Service)
Habitat Development Workshop. U.S. Army Corps of Engineers. Waterways Experiment Station. Vicksburg, Mississippi
Coastal Ecosystems Workshop. University of Texas. 1979. (Sponsored by U.S. Fish and Wildlife Service)
Coastal Ecosystem Research Workshop. Louisiana State University. Baton Rouge. 1979. (Sponsored by National Office of Sea Grant)
Seventh Annual Conference on the Restoration of Coastal Vegetation in Florida. Tampa. 1980
PASGAP. Seaweed Symposium. Hopkins Marine Station. Pacific Grove, California. 1980. (Sponsored by California Sea Grant)
Coastal Ecosystems Workshop. Oregon State University. 1981. (Sponsored by U.S. Fish and Wildlife Service)
Thirteenth International Botanical Congress. Sydney, Australia. 1981
Workshop on the Restoration of Habitats Impacted by Oil Spills. Virginia Polytechnic Institute. Blacksburg, Virginia. Nov. 8-11, 1981
Ninth Annual Conference on Restoration of Coastal Vegetation in Florida. Tampa. May 20-21, 1982
Seagrass Workshop. Harbor Branch Foundation. Ft. Pierce, Florida. May 24-25, 1982

Tropical Foods Conference. Taipei, Taiwan. Dec. 13-18, 1982
Tropical Foods Conference. Tokyo, Japan. Dec. 19-21, 1982
Padilla Bay Sanctuary Research Advisory Committee. Mount Vernon, Washington. 1984 to 1996
Symposium. AIBS Meetings. Gainesville, Florida. Aug. 12, 1985. Chairman. "Tropical-Subtropical Seagrasses of the Southeastern United States"
Washington State Department of Natural Resources. Eelgrass Work Group. 1986-1987
Seattle Aquarium. Create a Habitat Project. Eelgrass transplant project. Smith Cove, Seattle. May 1987
Keynote Address (General Ecology of Eelgrass with Special Emphasis on Restoration and Management.). 2nd. Ann. California Eelgrass Symposium. May 27, 1988. Sponsored by Pacific Southwest Biological Services, Inc. and the Chula Vista Conservancy Trust. Chula Vista, California
Estuarine Research Federation Biennial Meeting. Baltimore, Maryland. Oct. 1989. Paper presented: "Populational structure of eelgrass in San Francisco Bay, California"
Paper presented: "Seagrass Research in the Pacific Northwest". Regional meeting. Society of Wetland Scientists. Newport, Oregon. April 25-26, 1991
Paper presented: "Transplantation of Surfgrass, *Phyllospadix torreyi*, into a High Energy Coastal Zone near Santa Barbara, California". National meeting of the Society of Wetland Scientists. New Orleans. May 31 - June 4, 1992
Jurist. Ph.D. Dissertation defense. Ms. Heike Molenaar. University of Nice, France. Dec. 1992
Participant, member of LOCC NEPA Working Group. Representative of Battelle - Pacific Northwest National Laboratory
Participant, ES&H NEPA Workshop at the DOE-HQ semi-annual meeting. Gaithersburg, Maryland. Nov. 17-19, 1992
Paper presented: "Planting of Riparian Vegetation at Four Sites Along the Snake River in Washington State". Northwest Scientific Association. Ellensburg, Washington.
Mar. 24, 1994
Paper presented: "Riparian Vegetation of the Snake River in Washington State". National meeting of the Society of Wetland Scientists. Portland, Oregon. May 29 - June 3, 1994
Paper presented: "Eelgrass as a Natural Resource: Implications for Formal Policy". Puget Sound Water Quality Authority. Bellevue, Washington. Jan. 13, 1995
Panel member at Workshop on Endangerment and Extinction in the Sea. Center for Marine Conservation. National Oceanic and Atmospheric Administration. Washington, D.C. 1966
International Seagrass Biology Workshop. University of Western Australia, Perth. Jan. 1996
Co-Editor of a Seagrass Home Page on the World Wide Web. 1995.
(<http://www.botany.hawaii.edu/seagrass>). Co-editor is Dr. Kim Bridges. Botany Department. University of Hawaii. Honolulu.
Principal Investigator. Seagrass research project. Tobacco Caye. Belize. Earthwatch. Jan. 1997
Member of panel to conduct program review of the EPA research laboratory at Gulf Breeze, Florida. Nov. 3-4, 1997
Two lectures given at Coastal Resources Workshop. Abu Dhabi, United Arab Emirates. Nov. 15-16, 1997.
Field work in the Arabian Gulf in 1999 and 2000 on the seagrasses of the United Arab Emirates. Work with Florida Marine Research Institute, St. Petersburg, on State of Florida Seagrass Conservation Plan. Nov. 2000 – 2001.
Participant. Global Seagrass Monitoring Workshop. St. Petersburg, Florida. Nov. 9, 2001. Sponsored by UNEP.
Participant, Quest 2002, Doha, Qatar. January 26-29, 2002.

GRANTS AND FELLOWSHIPS

Research Grant. Society of the Sigma Xi. 1962-1963
Science Faculty Fellowship. National Science Foundation. 1969-1970

Research Grant. International Decade of Ocean Exploration. National Science Foundation. 1974-1981
Equipment Grant. National Science Foundation. 1982
Research Grant. U.S.-East Asia Cooperative Science Agreement. National Science Foundation. 1983-1985
Research Grant. Science in Developing Countries Program. National Science Foundation. 1990-1993

CONSULTING ACTIVITIES

U.S. Fish and Wildlife Service. Research plan for investigation of eelgrass (*Zostera marina* L.). Cold Bay, Alaska. March 1963
U.S. Army Corps of Engineers. Seagrass transplanting project on dredged spoils. Port St. Joe, Florida. Aug. 1976 - Sept. 1977
U.S. Army Corps of Engineers and U.S. Fish and Wildlife Service. Literature Survey of Seagrasses: Ecology and Man's Impact on Seagrasses of the United States". 1976-1977
Beak Associates, Inc. Survey of transplant site of eelgrass in Bellingham Bay, Washington. May 1977
Mangrove Systems, Inc. Tampa, Florida. 1987-1990
U.S. Fish and Wildlife Service. Literature survey on estuarine productivity in Puget Sound, Washington. Aug. - Dec. 1978
Continental Shelf Associates, Inc. Seagrass transplanting project on Craig Key, Florida. Feb. 1979 - Aug. 1981. (Sponsored by the Florida Department of Transportation)
U.S. Army Corps of Engineers. Literature review for planting guidelines for seagrasses. Coastal Engineering Research Center. Ft. Belvoir, Virginia. 1979
Schuchart and Associates, Inc. Eelgrass mitigation plans. Transplanting and ecology of eelgrass for the Anacortes - Fidalgo Bay marina. 1981-1986
J.E. Hanna Associates, Inc. Ontario, Canada. Macrophyte reclamation in the Great Lakes. Summer 1983
Seattle Pacific University. Crockett Lake project. Whidbey Island. 1983-1984
Port of Port Angeles. John Wayne Marina Eelgrass Transplant Project. 1984
Scott, Foresman and Co. 1984. Educational materials
Kramer, Chin and Mayo. Ship Harbor Marina Eelgrass Transplant Project. 1984-1986
CH2M Hill. Eelgrass transplant project at Coos Bay, Oregon. Sept. 1987
Saunders College Publ. Co. 1987-1988. Textbook review
Puget Sound Water Quality Council. Curriculum Advising. Oct. 1987
Michael Brandman Associates. Santa Ana, California. Surfgrass mitigation program. EXXON Co. Santa Barbara, California. 1988-1989
Energy Research Co., San Diego, California. Eelgrass investigations. Prince William Sound, Alaska. EXXON Oil Spill Studies. 1989
Parametrix, Inc. West Point Sampling Program and Mitigation Alternatives. Seattle, Washington. May 1990
METRO. Design and implementation of eelgrass mitigation project. South Beach and Alki Point. Seattle, Washington. Jan. 1991
Delineation of freshwater wetlands in several western Washington sites. Sept. 1990
Rare plant survey. Medford, Oregon. Oregon Highway Department. May 1991
Oil spill effects on eelgrass. Fidalgo Bay, Washington. Texaco. June 1991

TRAVEL EXPERIENCE

Domestic: Research experience on seagrasses from the Aleutian Islands in Alaska south to California, around the Gulf of Mexico to the Virgin Islands, and up the Atlantic coast to Maine

Foreign: Research experience on seagrasses in Panama, Nicaragua, Chile, Mexico (both coastlines), Canada, England, France, Gulf of Aqaba, New Zealand, all coasts of Australia, Japan, Micronesia, the Philippines, China, the Soviet Union (White Sea and the Black Sea), United Arab Emirates, and Qatar

PUBLICATIONS

1. Refereed Papers in Scientific Journals or Books

- Phillips, R.C. 1956. The Cyanophyta of Aspalaga, Gadsden County, Florida. *Quart. J. Fla. Acad. Sci.* 19: 147-152.
- Phillips, R.C. 1957. Notes on gametangia in Udotea. *Quart. J. Fla. Acad. Sci.* 29: 253-254.
- Phillips, R.C. 1958. Floating communities of algae in a North Carolina pond. *Ecology* 39: 765-766.
- Phillips, R.C. 1958. Notes on the development of Anadyomene stellata (Wulf.) C. Ag. *Quart. J. Fla. Acad. Sci.* 21: 145-148.
- Phillips, R.C. 1958. Extension of distribution of Ruppia maritima var. obliqua (Schur.) Aschers. and Graebn. *Quart. J. Fla. Acad. Sci.* 21: 185-186.
- Phillips, R.C. and L.A. Whitford. 1958. Additions to the freshwater algae in North Carolina. II. *Castanea* 23: 25-30.
- Phillips, R.C. 1959. Two new species of Lyngbya C.Ag. *Quart. J. Fla. Acad. Sci.* 21: 353-358.
- Phillips, R.C. 1959. Notes on the marine flora of the Marquesas Keys, Florida. *Quart. J. Fla. Acad. Sci.* 22: 155-162.
- Whitford, L.A. and R.C. Phillips. 1959. Bound phosphorus and growth of phytoplankton. *Science* 129: 961-962.
- Phillips, R.C. and L.A. Whitford. 1959. A quantitative study of the summer phytoplankton in four central North Carolina ponds. *Hydrobiologia* 14: 147-154.
- Whitford, L.A. and R.C. Phillips. 1959. Phosphorus and phytoplankton. *Science* 130: 347.
- Phillips, R.C. 1960. Environmental effect on leaves of Diplanthera du Petit-Thouars. *Bull. Mar. Sci. Gulf Carib.* 19: 346-353.
- Phillips, R.C. 1960. The ecology of marine plants of Crystal Bay, Florida. *Quart. J. Fla. Acad. Sci.* 23: 328-337.
- Phillips, R.C. 1960. Ecology and distribution of marine algae found in Tampa Bay, Boca Ciega Bay, and at Tarpon Springs, Florida. *Quart. J. Fla. Acad. Sci.* 23: 222-260.
- Phillips, R.C. and V.G. Springer. 1960. Observations on the offshore benthic flora in the Gulf of Mexico off Pinellas County, Florida. *Amer. Midl. Nat.* 64: 362-381.
- Phillips, R.C. and R.M. Ingle. 1960. A report on the hydrography, marine plants, and bottom types of the St. Lucie estuary and adjacent Indian River, Florida. *Quart. J. Fla. Acad. Sci.* 24: 125-147.
- McErlean, A.J. and R.C. Phillips. 1961. A technique for direct photography of translucent objects. *Trans. Am. Fish. Soc.* 90: 500-501.
- Phillips, R.C. 1963. Ecology of floating algal communities in Florida. *Quart. J. Fla. Acad. Sci.* 26: 329-334.
- Phillips, R.C. 1963. A model for the study of leaf gaps. *Turtlex News* 41: 279.
- Phillips, R.C. and A.J. Gee. Comparison of Zostera and Phyllospadix roots. (Abstr.). *Western Soc. Natur.* 44th. Meeting.
- Phillips, R.C. and W.S. Grant. 1965. Littoral marine algae of Agate-Crescent Beach, Washington. *Adv. Frontiers of Plant Sciences* 13: 103-112.
- Phillips, R.C. 1967. On species of the seagrass Halodule in Florida. *Bull. Mar. Sci.* 17: 672-676.
- Phillips, R.C. 1969. Temperate grass flats. In, Odum, H.T., B.J. Copeland, and E.A. McMahan (eds.). *Coastal Ecological Systems of the United States. Water Pollution Control Administration Contract RFP 68-128. Vol. 2: 737-773.*
- Phillips, R.C. 1969. Kelp beds. In, Odum, H.T., B.J. Copeland, and E.A. McMahan (eds.). *Coastal Ecological Systems of the United States. Water Pollution Control Administration Contract RFP 68-128. Vol. 2: 913-952.*

- Phillips, R.C. and B.L. Fleenor. 1970. Investigation of the benthic marine flora of Hood Canal, Washington. *Pac. Sci.* 24: 275-281.
- Phillips, R.C. 1970. Review: The Seagrasses of the World. C. den Hartog. *Plant Sci. Bull.* 16: 12.
- Phillips, R.C. 1974. Eelgrass and associated critters. *Sea Pen* 3: 10-14.
- Phillips, R.C. 1974. Transplantation of seagrasses with special emphasis on eelgrass, Zostera marina L. *Aquaculture* 4: 1-16.
- Phillips, R.C. 1974. Temperate grass flats. In, Odum, H.T., B.J. Copeland, and E.A. McMahan (eds.). *Coastal Ecological Systems of the United States. The Conservation Foundation* 2: 244-299. Washington, D.C.
- Phillips, R.C. 1974. Kelp beds. In, Odum, H.T., B.J. Copeland, and E.A. McMahan (eds.). *Coastal Ecological Systems of the United States. The Conservation Foundation* 2: 442-487. Washington, D.C.
- Phillips, R.C., C. McMillan, H.F. Bittaker, and R. Heiser. 1974. Halodule wrightii Aschers. in the Gulf of Mexico. *Contr. Mar. Sci. Univ. Texas* 18: 257-261.
- Phillips, R.C. 1975. Seagrass: food in the inshore coast. *Pac. Search* 9: 1-4.
- Phillips, R.C. 1976. Preliminary observations on transplanting and a phenological index of seagrasses. *Aquat. Bot.* 2: 93-101.
- Phillips, R.C. and R.F. Shaw. Zostera noltii Hornem. in Washington, U.S.A. *Syesis* 9: 355-358.
- Thayer, G.T. and R.C. Phillips. 1977. Importance of eelgrass beds in Puget Sound. *Mar. Fish. Rev.* 39: 18-22.
- Backman, T.W. and R.C. Phillips. 1978. Eelgrass gardens in Puget Sound. *Sea Pen* 7: 15-19.
- Phillips, R.C. 1978. Seagrasses and the coastal marine environment. *Oceanus* 21: 30-40.
- Phillips, R.C. 1979. Ecological notes on Phyllospadix (Potamogetonaceae) in the northeast Pacific. *Aquat. Bot.* 6: 159-170.
- McMillan, C. and R.C. Phillips. 1979. Halodule wrightii Aschers. in the Sea of Cortez, Mexico. *Aquat. Bot.* 6: 393-396.
- McMillan, C. and R.C. Phillips. 1979. Differentiation in habitat response among populations of New World seagrasses. *Aquat. Bot.* 7: 185-196.
- Phillips, R.C. 1980. Transplanting methods. In, Phillips, R.C. and C.P. McRoy (eds.). *Handbook of Seagrass Biology: An Ecosystem Perspective.* Garland STPM Press. New York. p. 41-56.
- Phillips, R.C. 1980. Phenology and taxonomy of seagrasses. In, Phillips, R.C. and C.P. McRoy (eds.). *Handbook of Seagrass Biology: An Ecosystem Perspective.* Garland STPM Press, New York. p. 29-40.
- Phillips, R.C. 1980. Responses of transplanted and indigenous Thalassia testudinum Banks ex König and Halodule wrightii Aschers. to sediment loading and cold stress. *Contr. Mar. Sci.* 23: 79-87.
- Lewis, R.R. and R.C. Phillips. 1980. Occurrence of seeds and seedlings of Thalassia testudinum Banks ex König in the Florida Keys (U.S.A.). *Aquat. Bot.* 9: 377-380.
- Phillips, R.C. 1981. Eelgrass, the wheat of the sea. *Oceans* 14: 18-24.
- McMillan, C. and R.C. Phillips. 1981. Morphological variation and isozymes of North American Phyllospadix (Potamogetonaceae). *Can. J. Bot.* 59: 1494-1500.
- Phillips, R.C., C. McMillan, and K.W. Bridges. 1981. Phenology and reproductive physiology of Thalassia testudinum from the western tropical Atlantic. *Aquat. Bot.* 11: 263-277.
- Phillips, R.C. 1982. Seagrass meadows. In, Lewis, R.R. (ed.). *Creation and Restoration of Coastal Plant Communities.* CRC Press, Inc. Boca Raton, Florida. p. 173-201.
- Bridges, K.W., R.C. Phillips, and P.C. Young. 1982. Patterns of some seagrass distributions in the Torres Strait, Queensland, Australia. *Aust. J. Mar. Sci.* 33: 273-283.
- Phillips, R.C., R.L. Vadas, and N. Ogden. 1982. The marine algae and seagrasses of the Miskito Bank, Nicaragua. *Aquat. Bot.* 13: 187-195.
- Fonseca, M.S., W.J. Kenworthy, and R.C. Phillips. 1982. A cost evaluation technique for restoration of seagrass and other plant communities. *Environ. Conserv.* 9: 237-241.
- Phillips, R.C., B. Santelices, R. Bravo, and C.P. McRoy. 1983. Heterozostera tasmanica (Martens ex Aschers.) den Hartog in Chile. *Aquat. Bot.* 15: 195-200.

- Phillips, R.C., C. McMillan, and K.W. Bridges. 1983. Phenology of eelgrass, *Zostera marina* L., along latitudinal gradients in North America. *Aquat. Bot.* 15: 145-156.
- Phillips, R.C., W.S. Grant, and C.P. McRoy. 1983. Reproductive strategies in eelgrass, *Zostera marina* L. *Aquat. Bot.* 16: 1-20.
- Phillips, R.C. and R.R. Lewis. 1983. Influence of environmental gradients on leaf widths and transplant success in North American seagrasses. *Mar. Tech. Soc. Journ.* 17: 59-68.
- Phillips, R.C. and T.W. Backman. 1983. Phenology and reproductive biology of eelgrass (*Zostera marina* L.) at Bahio Kino, Sea of Cortez, Mexico. *Aquat. Bot.* 17: 85-90.
- Menez, E.G., R.C. Phillips, and H.P. Calumpong. 1983. Seagrasses from the Philippines. *Smithsonian Contr. to the Marine Sciences* 21. 40 p. 26 figs.
- Zieman, J.C., R. Orth, R.C. Phillips, G.W. Thayer, and A. Thorhaug. 1984. The effects of oil on seagrass ecosystems. In Cairns, J. and A.L. Buikema (eds.). *Restoration of habitats impacted by oil spills*. Butterworth Publ. Boston. Chap. 2. p. 37-64.
- Lumbert, S.H., C. den Hartog, R.C. Phillips, and F.S. Dixon. 1984. The occurrence of fossil seagrasses in the Avon Park Formation (Late Middle Eocene), Levy County, Florida (U.S.A.). *Aquat. Bot.* 20: 121-129.
- Calumpong, H.P., E.G. Menez, and R.C. Phillips. 1986. Seagrasses in Batanes Province, Northern Philippines. *Silliman Journal* 33: 148-154.
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