TAWNY BLINN is an editorial assistant and FREDERICK J. SWANSON is a research geologist, U.S. Department of Agriculture, Forest Science, Pacific Northwest Research Station, Forestry Sciences Laboratory, 3200 Jefferson Way, Corvallis, Oregon 97331. ARTHUR McKEE is a research instructor, Forest Science Department, Oregon State University, Corvallis, Oregon 97331.

Tawny Blinn, Frederick J. Swanson, and Arthur McKee
Compilers

Published by:
U.S. Department of Agriculture
Forest Service
Pacific Northwest Research Station
Portland, Oregon
General Technical Report PNW-223
August 1988
Abstract


Keywords: Bibliographies (forestry), Oregon (H.J. Andrews Exp. For.).

Contents

1 Introduction
2 Literature Cited
2 Bibliography
18 Index

Introduction

This bibliography updates the 1987 publication (McKee and others 1987) listing research publications of the H.J. Andrews Experimental Forest. Additional supplements may be published intermittently.

Included here are more recent publications, abstracts, theses, and unpublished reports, as well as items that were inadvertently omitted from the earlier publication. Because we expect this document to be used in a variety of ways, we have included citations that are "in press" at the time of compilation and that are derived from work at nearby research sites. The publications are arranged alphabetically by author, by date, and by title. Authors' names are given exactly as they appear on the publication. Thus, a publication with initials for the primary author's first name will be listed before one with the first name spelled out, even if the paper was published at a later date. For example, Hawkins, C.P. (1983) occurs before Hawkins, Charles (1981).

An index of keywords follows the bibliography. Publications are listed alphabetically by author after appropriate keywords. All citations are listed at least once in the index. Several keywords that were not listed in McKee and others (1987) have been added because of new subject matter covered in the more recent publications.

We regret that reprints of listed items cannot be obtained from a central location. Many papers are available from libraries. Others may be obtained from the authors or from the Pacific Northwest Research Station. If copies are not available from any of those sources, single requests can be addressed to the H.J. Andrews Experimental Forest, Forest Science Department, Oregon State University, Corvallis, OR 97331. Because we make photocopies from our files, we ask that this service be used as a last resort.
Literature Cited


Bibliography


Boone, Richard D.; Sollins, Phillip; Cromack, Kermit, Jr. [In press]. Stand and soil changes along a mountain hemlock death and regrowth sequence. Ecology.


Halpern, C.B. [In press b]. Early successional patterns of forest species: inter-
actions of life history traits and disturbance. Ecology.

Halpern, C.B.; Smith, B.G.; Franklin, J.F. [In press]. Forest and meadow com-
munities of The Three Sisters Wilderness Area/Biosphere Reserve. In: Ffolliott,
P.F.; Swank, W.T., eds. People and the temperate region: a summary of research in
the United States Man and the Biosphere (MAB) Program. Washington, DC:
MAB Program, U.S. Department of State.

Halpern, Charles B. 1987. Twenty-one years of secondary succession in Pseu-
dotsuga forests of the western Cascade Range, Oregon. Corvallis, OR: Oregon

Halpern, Charles B.; Franklin, Jerry F. [In press]. Understory development in
Pseudotsuga forests: multiple paths of succession. In: Proceedings of the
symposium on land classifications based on vegetation: applications for resource
management; 1987 November 17-19; Moscow, ID. Gen. Tech. Rep. Ogden, UT:
U.S. Department of Agriculture, Forest Service, Intermountain Forest and Range
Experiment Station.

Halpern, Charles B.; Smith, Bradley G.; Franklin, Jerry F. 1984. Composition,
structure, and distribution of the ecosystems of the Three Sisters Biosphere
Reserve/Wilderness Area. Final report to the United States Department of
Agriculture. 139 p. On file at: Forestry Sciences Laboratory, Corvallis, OR.

Hansen, E.M.; Goheen, D.J.; Hessburg, P.F.; Witcosky, J.J.; Schowalter, T.D.
Helgerson, O.T., ed. Forest pest management in southwest Oregon: Proceedings
of the workshop; 1985 August 19-20; Grants Pass, OR. Corvallis, OR: Forest
Research Laboratory, Oregon State University: 13-19.

Hanson, Paul E.; Miller, Jeffrey C. 1988. Notes on the biology of Caenocephus
aldrichi Bradley (Hymenoptera: Cephidae). Proceedings of the Entomological

Harcombe, P.A. 1986. Stand development in a 130-year-old spruce-hemlock forest
based on age structure and 50 years of mortality data. Forest Ecology and

Harmon, Mark E. 1987. The influence of litter and humus accumulations and canopy
openness on Picea sitchensis (Bong.) Carr. and Tsuga heterophylla (Raf.) Sarg.

Harmon, Mark E.; Cromack, Kermit, Jr.; Smith, Bradley G. 1987. Coarse woody
debris in mixed-conifer forests, Sequoia National Park, California. Canadian

Harmon, Mark E.; Franklin, Jerry F. [In press]. Tree seedlings on logs in Picea


Maser, Chris; Cline, Steven P.; Cromack, Kermit, Jr.; Trappe, James M.; Hansen, Everett. [In press]. What we know about large trees that fall to the forest floor. In: Maser, Chris; Tarrant, Robert F.; Trappe, James M.; Franklin, Jerry F., tech. eds. From the forest to the sea: a story of fallen trees. Gen. Tech. Rep. Portland, OR: U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station.


Miller, Jeffrey C. 1986. An index to the hosts of Hymenoptera with special reference to families and orders. Contributions to Parasitoid Biology 1. Available from: Jeffrey C. Miller, Department of Entomology, Oregon State University, Corvallis, OR 97331.


Moore, K.M.; Gregory, S.V. [In press b]. Summer habitat utilization and ecology of cutthroat trout fry (Salmo clarki) in Cascade Mountain streams. Canadian Journal of Fisheries and Aquatic Sciences.


Perry, David A.; Maghembe, Jumanne. [In press]. Ecosystem concepts and current trends in forest management: time for reappraisal. Forest Ecology and Management.


Sedell, James R.; Richey, Jeffrey E.; Swanson, Frederick J. [In press]. The river continuum concept: a basis for the expected ecosystem behavior of very large rivers? In: Dodge, D.P., ed. Proceedings of the international large river symposium; 1986 September 14-21; Honey Harbour, ON. Canadian Special Publication of Fisheries and Aquatic Sciences.


Sollins, Phillip; Cline, Steven P.; Verhoeven, Thomas; Sachs, Donald; Spycher, Gody. 1987. Patterns of log decay in old-growth Douglas-fir forests. Canadian Journal of Forest Research. 17: 1585-1595.


Swanson, Frederick J.; Franklin, Jerry F. 1988. The long-term ecological research program. EOS: Transactions of the American Geophysical Union. 69(3): 34,36,46.


Index

Administration:
Franklin and Waring 1986; McKee and others 1987; Swanson and Franklin 1988

Algae (see also periphyton):
Ward 1985; Ward and others 1985

Autecology:
Antos and Zobel 1986; Conard and others 1985; Franklin 1983; McKee in press; Zobel and Antos 1987

Bibliography:
McKee and others 1987

Biological diversity:
Franklin 1988b

Biomass:
Conifers:
Espinosa Bancalari and Perry 1987

Biosphere reserves:
Franklin 1987, 1988a; Franklin and Waring 1986; Halpern and others 1984, in press; Swanson and Franklin 1988

Canopy communities:
McNabb and others 1986; Moldenke and others 1987; Schowalter and Crossley 1987

Carbon cycling:
Amaranthus and Perry 1987

Clearcuts:
Borchers and Perry in press; Franklin and Forman 1987; Perry and Rose in press

Climate:
McKee and Bierlmaier 1987

Cumulative effects:
Grant 1986, 1987, in press; Grant and others 1984

Data management:
Klopsch and Stafford 1986; Stafford 1985; Stafford and others 1986a, 1986b

Decomposition:
Logs:
Aumen 1985; Harmon and Franklin in press; Harmon and others 1987; Sollins and others 1987

Terrestrial:
Cromack and others in press; McNabb and others 1986
Detritus food quality:
Anderson and Cargill 1987

Disturbance:
Waring and others 1987

Ecological monitoring:
Franklin 1987

Environmental indexes and variables (see also temperature):
Baker and others in press; McKee and Bierlmaier 1987

Environmental pollutants:
Baker and others in press; Franklin 1987; Norris and others in press

Erosion:
Beschta and others 1987; George-Claes and others 1982; Grant 1986, 1987; Grant and others 1984; Gray 1973, 1977

Fire:
George-Claes and others 1982

Fish:
Moore and Gregory, in press a, in press b; Norris and others in press; Sullivan and others 1987; Wilzbach 1985a, 1985b; Wilzbach and others 1986

Fish habitat:
Everest and others 1987; Morrison and Swanson in press; Wilzbach 1985b; Wilzbach and others 1986

Forest:
Franklin 1987, 1988b; McKee in press

Age (see also forest structure):
Morrison and Swanson in press; Sheppard and others in press; Teensma 1987

Canopy:
Chan and others 1986; Schowalter and Crossley 1987; Stewart 1986

Communities (see also plant communities):
Franklin 1988b; Franklin and DeBell 1988; Halpern in press a; Halpern and others 1984

Composition:
Halpern 1987, in press a, in press b; Halpern and Franklin in press; Halpern and others 1984, in press; Perry and others 1987a
Dynamics (see also succession):
DeBell and Franklin 1987; Franklin and DeBell 1988; Franklin and others 1987; Halpern 1987; in press a, in press b; Halpern and Franklin in press; Harcombe 1986; Klopsch 1985; Perry 1985; Perry and Choquette 1987; Perry and others 1987a; Spies and Cline in press; Spies and others in press; Stewart 1986; Vale 1981; Waring 1987

Fragmentation:
Franklin and Forman 1987

Functions:
Binkley and others 1985; Cromack and others 1979

Management (see also watershed management and stream management):
Espinosa Bancalari and others 1987; Espinosa Bancalari and Perry 1987; Eubanks in press; Franklin 1983; Franklin and others 1986; Gregory 1987b; Mahlein and Hemstrom 1988; Perry 1985; Perry and Maghembe in press; Perry and others 1987b

Pests:
Daterman and others 1986; Hansen and others 1986; Miller 1985; Miller and West 1987; Witcosky and others 1986b, 1987

Regeneration (see also silviculture and succession):
Amaranthus and Perry 1987; Conard and others 1985; Harmon 1987; Harmon and Franklin in press; Perry and others 1987b, in press; Schowalter 1986a; Vale 1981

Structure:
Chan and others 1986; Halpern 1987, in press a, in press b; Halpern and Franklin in press; Klopsch 1985; Old-Growth Definition Task Group 1986

Fungi (see also mycorrhizae):
Carpenter and others in press; Hansen and others 1986; Waring and others 1987

Geomorphology:
Grant 1986, 1987; in press; Grant and others 1984; Gray 1973, 1977; Swanson and others 1988, in press b; Swanson and Pearce in press

Habitat types (see also plant communities):
Antos and Zobel 1986; Hemstrom and others 1987

Hydrologic processes:
Berris 1985; Berris and Harr 1987; Grant 1986, 1987; Grant and others 1984; Harr 1986, 1987
Invertebrates: Chandler 1986

Aquatic:

Biology:
Dudley and Anderson 1987; Steedman and Anderson 1985; Wisseman 1988

Feeding strategies:
Anderson and Cargill 1987; Dudley and Anderson 1987; Steedman and Anderson 1985; Wisseman 1988

Landscape ecology:
Franklin and Forman 1987; Means and Greene 1987; Swanson and others in press b

Leaf area (see also forest canopy):
Espinosa Bancalari and others 1987

Lichens:
Denison 1979

Lignin content (see also decomposition):

Soil:
Cromack and others in press; McNabb and others 1986

Terrestrial:
Crossley and others 1988; Dateman and others 1986; Hanson and Miller 1988; Henry and Lattin 1987, in press; Lattin 1987, in press; Lattin and Schwartz 1986; Miller 1985, 1986; Miller and West 1987; Moldenke and Fichter in press; Moldenke and others 1987; Schowalter 1986a, 1986b; Schowalter and Crossley 1987; Witcosky and others 1986a, 1986b

Litter, Litterfall:
Heath and others 1988

Long-term Ecological Research:
Swanson and Franklin 1988; Webster and others 1985

Mammals:
Doyle 1987; Forsman 1983; Greene and Franklin 1987

Mass movement (see also erosion):
Chesney 1983; Gray 1973, 1977; Miles and Swanson 1986; Swanson and others 1987; Vest 1988
Meteorology (see also precipitation, solar radiation, and temperature):
Bierlmaier and McKee in press; McKee and Bierlmaier 1987; Pyles and others 1987; Witcosky and others 1987

Mycorrhizae:
Cromack and others in press; Perry and Choquette 1987; Perry and Maghembe in press; Perry and others 1987b; Perry and Rose in press

Nitrogen:
Boone and others in press; Holcombe and others 1986

Dynamics (see also nitrogen fixation and nutrient cycling):
McClellan 1988; Perry and others 1987a; Sachs and Sollins 1986

Fixation:
Binkley and others 1985; Cromack and others 1979; Denison 1979; Heath and others 1988

Nutrient(s):
Budgets (see also nutrient cycling):
Radulovich and Sollins 1987

Cycling:
Crossley and others 1988; Edmonds and others in press; Radulovich and Sollins 1987; Sollins and others in press; Waring and others 1987

Leaching (see also nutrient cycling):
Sollins and others in press

Litter:
Kiilsgaard and others 1987

Soil:
Radulovich and Sollins 1987

Vascular plants: Zobel
and Antos 1987

Old-growth forests:
Greene 1988; Old-Growth Definition Task Group 1986; Sollins and others 1987

Organic matter:
Soil:
Boone and others in press; Strickland and Sollins 1987

Organization:
McKee and others 1987; Swanson and Franklin 1988

Periphyton (see also algae):
Lamberti and others 1987; Ward 1985
Plant communities:
Halpern and others 1984, in press; Hetmstrom and others 1987

Population dynamics (see also forest dynamics):
Franklin and DeBell 1988

Precipitation:
Bierlmaier and McKee in press; Holcombe and others 1986; McKee and Bierlmaier 1987

Production, Productivity:
Espinosa Bancalari and Perry 1987

Forests:
Edmonds and others in press; Eubanks in press; Franklin and others in press; Kimmins and Sollins in press; Perry and Maghembe in press; Perry and others in press; Perry and Rose in press; Sachs and Sollins 1986

Streams:
Gregory and others 1987; Lamberti and others 1987

Remote sensing:
Holbo and Luvall in press; Sader 1986

Research natural areas (see also biosphere reserves):
Greene 1988; Greene and Franklin 1987; Means and Greene 1987

Riparian ecosystem:
Platts and others 1987

Riparian vegetation:
Grant 1986, 1987, in press; Grant and others 1984; Gregory 1987a; McClellan 1988; Platts and others 1987; Speaker and others in press; Wilzbach 1985a, 1985b

River continuum:
Sedell and others in press

Root:
Witcosky and others 1986a, 1986b

Sampling methodology and equipment:
Baker and others in press; Platts and others 1987

Sediments, Sedimentation (see also stream substrates):
Beschta and others 1987; Everest and others 1987; Grant 1986, 1987, in press; Grant and others 1984; Swanson and others 1987; Swanson and Pearce in press

Silviculture (see also forest regeneration and slash or broadcast burning):
Witcosky and others 1986a
Site classification (see also habitat types):
Hemstrom and others 1987

Slash or broadcast burning:
Halpern 1987, in press a, in press b; Halpern and Franklin in press

Snowmelt:
Berris 1985; Berris and Harr 1987; Harr 1986, 1987

Soil:
Strickland and others in press; Strickland and Sollins 1987; USDA Forest Service 1964

Disturbance (see also erosion and mass movement):
Borchers and Perry in press; George-Claes and others 1982; Gray 1973, 1977; Miles and Swanson 1986

Genesis:
Spycher and others 1986

Morphology:
Strickland and others in press

Nutrients:
Sollins and others in press

Stability:
Borchers and Perry in press

Solar radiation:
Bierlmaier and McKee in press

Stream:
Grant 1986, 1987; Grant and others 1984; Gregory 1987a; Holcombe and others 1986; Moore and Gregory, in press a, in press b; Platts and others 1987; Sedell and others in press; Sullivan and others 1987; Swanson and others 1987; Webster and others 1985

Buffer strips:
Gregory 1987b

Communities (see also fish, invertebrates [aquatic], and periphyton):
Hawkins 1984, 1985, 1986

Detritus (see also litter-litterfall):
Amaranthus and Perry 1987; Aumen 1985; Bisson and others 1987; Ward 1986; Ward and Aumen 1986; Ward and Woods 1986

Functions:
Speaker and others in press
Hydrology:
Grant 1986, 1987; Grant and others 1984; Harr 1987

Management:
Everest and others 1987; Gregory 1987b; Gregory and others 1987

Morphology:
Bisson and others 1987; Grant 1986, 1987, in press; Grant and others 1984; Lienkaemper and Swanson 1987; Moore and Gregory in press a, in press b; Speaker 1985; Sullivan and others 1987; Vest 1988; Wilzbach and others 1986

Processes (see also erosion and sediments-sedimentation):
Grant 1986, 1987; Grant and others 1984; Lamberti and others 1987; Lienkaemper and Swanson 1987; Speaker 1985; Speaker and others in press; Ward 1986

Structure:
Vest 1988

Substrates:
Aumen 1985; Ward 1985

Succession (see also forest regeneration):
Conard and others 1985; Halpem 1987, in press a, in press b; Halpern and Franklin in press; Harmon and Franklin in press; Harmon and others 1987; McNabb and others 1986; Miles and Swanson 1986; Spies and Cline in press; Spies and others in press

Taxonomic checklist:
Henry and Lattin 1987

Taxonomy:
Lattin in press

Invertebrates:
McNabb and others 1986; Miller 1986; Moldenke and Fichter in press; Moldenke and others 1987

Temperature:
Bierlmaier and McKee in press; Holbo and Luvall in press; McKee and Bierlmaier 1987; Sader 1986

Topography:
Swanson and others 1988

Tree:
Mortality (see also woody debris):
DeBell and Franklin 1987; Franklin and others 1987; Harcombe 1986; Waring 1987
**Water:**

*Quality (streams):*

Ice 1978

**Watershed management (see also forest management and stream management):**

Gregory and others 1987

**Wildfire:**

Klopsch 1985; Morrison and Swanson in press; Sheppard and others in press; Stewart 1986; Teensma 1987

**Woody debris:**

Franklin and Maser in press; Maser and others in press

*Streams:*

Bisson and others 1987; Dudley and Anderson 1987; Lienkaemper and Swanson 1987; Sedell and others in press; Steedman and Anderson 1985; Ward and Aumen 1986

*Terrestrial:*

Carpenter and others in press; Harmon 1987; Harmon and Franklin in press; Harmon and others 1987; Maser and others in press; Sollins and others 1987; Spies and Cline in press; Spies and others in press


Keywords: Bibliographies (forestry), Oregon (H.J. Andrews Exp. For.).

The Forest Service of the U.S. Department of Agriculture is dedicated to the principle of multiple use management of the Nation's forest resources for sustained yields of wood, water, forage, wildlife, and recreation. Through forestry research, cooperation with the States and private forest owners, and management of the National Forests and National Grasslands, it strives—as directed by Congress—to provide increasingly greater service to a growing Nation.

The U.S. Department of Agriculture is an Equal Opportunity Employer. Applicants for all Department programs will be given equal consideration without regard to age, race, color, sex, religion, or national origin.

Pacific Northwest Research Station
319 S.W. Pine St.
P.O. Box 3890
Portland, Oregon 97208