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Abstract


A list of publications resulting from research at the H.J. Andrews Experimental Forest, Williamette National Forest, Oregon, from 1948 to 1986 is presented. Nearly 600 publications are listed, including papers, theses, and abstracts. An index is provided that cross-references the listings under appropriate keywords.

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

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Introduction

This bibliography covers the period from establishment of the H.J. Andrews Experimental Forest, in 1948, to 1986, and the publications reflect the evolving of the research program at the Forest. The first research efforts focused on efficiency of logging and road systems and success of forest regeneration. During the 1960's, the emphasis shifted to watershed studies that examined the effects of logging on water yield and quality. Beginning about 1970, the focus shifted to ecosystems, and studies of nutrient cycling, energy flow, and community dynamics were started.

Use of the H.J. Andrews Forest grew rapidly during the 1970's as a result of increased support from the National Science Foundation (NSF) through the International Biological Program and grants for individual projects. Further expansion of ecosystem research has occurred during the 1980's with the NSF-funded Long-Term Ecological Research Program, and research in applied forestry has increased. A balance currently exists between silvicultural and ecosystem studies. Results of research at the H.J. Andrews Forest have been widely reported, as evidenced by the nearly 600 listings in this bibliography.

We have tried to include all relevant literature, so all papers, theses, and published abstracts that have resulted from research at the H.J. Andrews Forest and nearby research natural areas are listed. We have also listed papers that include analyses of data or taxonomic studies of collections from the Forest. Some literature may have been omitted inadvertently. Please bring additional publications to our attention so that the next compilation will be more complete.

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 is provided after the bibliography. Publications are listed alphabetically by author under appropriate keywords, and most listings are cross-referenced. All publications in the bibliography are listed in the index.

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.

**Bibliography**


Dyer, M.I.; Crossley, D.A., Jr. [In press]. The utilization of whole ecosystem data and models to calibrate remote sensing information. In: Botkin, D.B., ed. Proceedings of the conference on man's role in changing the global environment; 1985 October 21-26; Venice, Italy. [Location of publisher unknown]: [publisher unknown].


**Triska, F.J.; Sedell, J.R.; Buckley, B. 1975.** The processing of conifer and hardwood leaves in two coniferous forest streams. 2: Biochemical and nutrient changes. Verhandlungen International Verein Limnologie. 19: 1628-1639.


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Administration
: McKee 1984

Algae (see also periphyton):
Aho and others 1973; Bernstein and others 1973; Carroll1981a; Carroll and others 1980; Gregory 1976, 1978b; Lyford and Gregory 1975; Pereira and others 1982; Triska and others 1982; Triska and Sed ell 1976; Ward 1985

Alluvial deposits:
Hawk 1973a; Hawk and Zobel 1974; Swanson and James 1973, 1975a, 1975b

Amphibians:
Hall and others 1978; Hawkins and others 1983; Murphy and Hall 1981; Nussbaum and Clothier 1973; Peacock and Nussbaum 1973

Autecology:
McKee in press

Bacteria:
Buckley and Triska 1978; Cromack and others 1975, 1977a; Silvester and others 1982; Wells and others 1979

Bibliography:
Black 1971; Black and Taber 1977; Fogel 1973, 1975a; Grafius and Anderson 1973; Jackman and Scott 1975; Strand 1972

Biomass:

Algae:
Aho and others 1973; Gregory 1978a, 1978b, 1983; Lyford and Gregory 1975; McIntire and Colby 1978; Murphy and others 1981; Sedell and others 1973

Conifers:
Addor 1972; Dale and others 1984; Denison and others 1972; Edmonds 1975, 1977; Franklin and Waring 1980; Fujimori and others 1976; Grier and others 1974; Grier and Logan 1977; Grier and Waring 1974; Hemstrom and Adams 1982; Johnson and others 1982; Kline and others 1972, 1973; Long 1982; Overton and others 1973a; Pike and others 1977; Rounick and Gregory 1981; Running and others 1986; Stafford and others 1984; Thomas and others 1979; Waring 1980a, 1980b, 1983; Waring and others 1978a; Waring and Franklin 1979; Waring and Running 1978; Webb and others 1983

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Binkley and Graham 1981; Pike and others 1972, 1977

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Woody debris:
Harmon and others 1986; Means and others 1984, 1985; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1982

Biosphere reserves:

Birds:

Canopy communities:
Carroll 1980; Denison 1973; Strand 1974; Strand and Nagel 1972; Voegtlin 1982; Waring and Edmonds 1974

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Clearcuts (see also timber harvesting):
Christner and Harr 1982; Franklin 1961a, 1963; Franklin and others 1982; Fredriksen 1970;
1983; Harr and others 1982; Harr and McCorison 1979; Harris and others 1982; Helgerson
and others 1984; Miller and others 1976; Murphy and others 1981; Murphy and Hall 1981;
1953; Sullivan 1976, 1978; Swanson and Dyrness 1975; Tarrant 1954, 1956b; Tucker and
Emmingham 1977; Yerkes 1958, 1960

Community metabolism:
Minshall and others 1983; Naiman and Sedell 1980; Triska and others 1982

Community structure (see also forest structure):
Anderson and others 1984a, 1984b; Cummins 1980; Hawkins 1981, 1982; Hawkins and oth-
ers 1982; Hawkins and Sedell 1981; Lyford and Gregory 1975; Murphy 1978; Ruggiero and
Carey 1984; Triska and others 1982; Wiens and Nussbaum 1975; Zobel and others 1976

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Franklin 1964a

Conifer dominance:
Franklin and Waring 1980; Waring 1982; Waring and Franklin 1979

Cotyledons:
Franklin 1961b, 1968b; Franklin and Greathouse 1969a, 1969b

Data management:
Means 1981; Stafford and others 1984; Wilson 1985

Debris dams (see also stream morphology and stream processes):
Frear 1982; Fredriksen 1963; Keller and Swanson 1979; Lienkaemper 1976; Lienkaemper
and Swanson 1980; Sedell and Luchessa 1982; Swanson and others 1976b; Swanson and
Lienkaemper 1978; Triska and Cromack 1980; Triska and others 1984

Debris torrents (see also erosion, mass movement, and stream processes):
Keller and Swanson 1979; Rothacher 1959; Swanson 1979; Swanson and others 1973,
1976a, 1976b, 1980, 1982a; Swanson and Fredriksen 1982; Swanson and Lienkaemper
1978; Swanson and Swanston 1977; Swanston 1974, 1976; Swanston and others 1980;
Swanston and Swanson 1976

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Aho and others 1973; Anderson and others 1978; Anderson and Grafius 1975; Anderson
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Dahm 1984; Dahm and others 1981; Dudley and Anderson 1982; Edmonds 1974, 1977;
McIntire and Colby 1978; Minshall and others 1983; Sedell and others 1973, 1974; Sollins
and others 1985; Speaker and others 1984; Triska and Buckley 1978; Triska and Cro-
mack 1980; Triska and others 1975, 1982, 1984; Triska and Sedell 1976; Warner 1976
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Terrestrial:  

Detritus food quality:  
Anderson and Cummins 1979; Anderson and others 1984a; Cummins at al. 1982; Dahm 1984; Dahm and others 1981; Naiman and Sedell 1979a, 1979b; Sedell 1972; Sedell and others 1974; Sollins and others 1985; Ward 1984

Detritus processing:  

Ecological monitoring:  
Dyer and Crossley in press; Hinds and others 1981; McKee 1984; McShane and others 1983; Schowalter and others 1986

Ecosystem modeling:  

Energy budget (see also carbon cycling):  
Mcintire and Colby 1978; Mcintire and others 1971, 1975; Sollins and others 1974; Strand 1974; Waring 1973b; Waring and others 1973
Environmental gradients:
Dyrness and others 1976; Edmonds 1974; Emmingham 1982; Franklin 1979b; Franklin and
Dyrness 1973; Gholz and others 1976; Grier and Running 1977; Hawk and others 1982;
Waring and others 1978a; Wiens and Nussbaum 1975; Zobel and others 1976

Environmental indexes and variables (see also moisture stress, photosynthesis, tempera-
ture, and transpiration):
Dyer and Crossley in press; Emmingham 1982; Emmingham and Waring 1977; Hinds 1984;
Waring 1971, 1973a, 1973b; Waring and Edmonds 1974; Waring and others 1973; Waring and
Franklin 1979; Waring and Running 1976, 1978; Zobel 1975; Zobel and others 1973b, 1974,
1976

Environmental pollutants (see also fertilizers and pesticides):
Hemstrom and Franklin 1981; Hinds 1984; Moore and others 1974; Norris and others 1983

Erosion:
Anderson and others 1976; Bergstrom 1979; Brown 1973; Cromack and others 1978; Dyr-
Franklin and Rothacher 1962; Fredriksen 1965a, 1970, 1972a, 1972b; Fredriksen and others
1975; Fredriksen and Harr 1979; Fredriksen and Moore 1972; Harr 1981; Johnson 1978;
Johnson and Beschta 1980; Keller and Swanson 1979; Larson 1981; Larson and Sidle 1980;
Mersereau and Dyrness 1972; Rice and others 1972; Rothacher 1959; Swanson 1979, 1980,
1981; Swanson and Dyrness 1975; Swanson and others 1973, 1980, 1981, 1982a, 1982b,
1982c; Swanson and Fredriksen 1982; Swanson and Grant 1982; Swanson and James
ston and others 1980; Swanston and Swanson 1976; Waring 1973a, 1976

Evaporation (see also transpiration):
Gholz 1979, 1982; Massman 1983; Rothacher 1971; Santantonio 1982; Waring and others
1978a; Waring and Franklin 1979; Zobel 1975

Fallen trees (see also windthrows and woody debris):
Christy and Mack 1984; Maser and Trappe 1984a, 1984b; Ogawa 1977; Silvester and others
1982; Stewart 1984; Thomas and others 1979

Fertilizers, Fertilization:
Anderson and others 1976; Cromack and others 1978; Dyrness 1975; Edmonds 1974, 1977;
Fredriksen 1972a; Fredriksen and others 1975; Helgerson and others 1984; Johnson and
others 1982; Krzak 1980; Miller and others 1976; Rothacher and Franklin 1964; Waring 1983

Field guides:
Berntsen and Rothacher 1959; Franklin and others 1972b; Hemstrom and others
1982; Topic and Hemstrom 1982

Fire:
Burke 1979; Morrison 1984; Swanson 1981
Fish:

Fish habitat:
Everest and Meehan 1981; Murphy 1979; Naiman and Sedell 1981; Sedell and others 1973, 1982; Sedell and Luchessa 1982; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Triska and Cromack 1980; Wilzbach and Hall 1985; Wustenberg 1954; Wyatt 1959

Flood control (see also storms and storm runoff):
Anderson and others 1976; Bergstrom 1979

Foliage endophytes (see also fungi):
Bernstein and Carroll 1977a; Carroll and Carroll 1978; Petrini and Carroll 1981; Petrini and others 1982

Foliage weight:
Smith and others 1981; Waring 1973a; Waring and others 1982

Food chains (see also trophic relations):
Gregory 1983; Norris and others 1983; Strand 1973a, 1974; Strand and Nagel 1972; Waring 1973b; Waring and Edmonds 1974

Forest:
Age (see also forest structure):
Franklin and others 1979, 1982; Franklin and Spies 1984; Franklin and Waring 1980; Means 1982a, 1982b, 1985; Stewart 1984; Thomas and others 1979; Waring 1982; Waring and Franklin 1979

Canopy:

Communities (see also plant communities and forest zones):

Composition:
**Dynamics (see also succession):**

**Fragmentation:**
Harris 1984a, 1984b; Ruggiero and Carey 1984

**Functions:**
Franklin and Spies 1984; Harmon and others 1986; Maser and Trappe 1984a; Sollins and others 1985; Swanson and others 1982b; Waring 1980c, 1985; Waring and Edmonds 1974; Waring and Schlesinger 1985

**Management (see also watershed management and stream management):**
Anderson and others 1976; Bergstrom 1979; Boyce and Wagg 1953; Carow 1959; Cromack and others 1978; Dymess 1966; Edmonds 1982b; Forest Industries 1962; Franklin 1965a, 1982b; Franklin and others 1981; Franklin and Spies 1984; Fredriksen 1972a; Fredriksen and others 1975; Fredriksen and Harr 1979; Grier and others 1978; Harris 1984a, 1984b; Harris and others 1982; Hemstrom and others 1982; Johnson and others 1982; Krzak 1980; Larson 1981; Larson and Sidle 1980; Maser and others 1978a, 1978b; Maser and Trappe 1984a, 1984b; McKee and others 1982; Means 1982a, 1982b; Miller and others 1976; Rothacher 1965a; Ruggiero and Carey 1984; Ruth and Silen 1950; Silen 1955; Sollins and others 1982; Swanson and Sede111978; Swanston and Swanson 1976; Topic and Hemstrom 1982; USDA, Forest Service, 1958; Waring 1973a, 1976, 1980c; Waring and Schlesinger 1985

**Pests:**
Franklin and Mitchell 1967; Means 1982b; Schowalter and others 1986; Strand 1971, 1972, 1973a

**Regeneration (see also silvicultural practices and succession):**

**Structure:**
Zones (see also vegetation zones):
   Dyrness and others 1971, 1976; Edmonds 1974, 1982b; Franklin 1979b; Franklin and Dyrness 1969, 1973; Hemstrom and others 1982; Topic and Hemstrom 1982

Functional groups (see also community structure and stream communities):
   Colby and McIntire 1978; Cummins 1980; Cummins and others 1982, 1984; Dudley and Anderson 1982; Edmonds 1974; Hawkins 1981, 1982; Hawkins and others 1982; Hawkins and Sedell 1981; McIntire and Colby 1978; McIntire and others 1975; Meehan and others 1977; Minshall and others 1983; Sedell and others 1975, 1982; Strand 1973a, 1974; Strand and Nagel 1972; Triska and Cromack 1980; Triska and others 1982; Vannote and others 1980

Fungi (see also foliage endophytes, microbial epiphytes, mycorrhizae, and mycophagy):

Geneecology:
   Campbell 1979; Campbell and Franklin 1981

Geology:

Geomorphology:

Glaciation:
   Swanson and James 1973, 1975a, 1975b

Groundwater (see also soil moisture and soil water flux):
   Brown and others 1972; Harr and Swanson 1980; Mills 1983; Shih and others 1973; Sollins and others 1980b; Sollins and McCorison 1981; Swanson 1979, 1980; Swanson and others 1983; Triska and others 1984

Habitat types (see also plant communities):

Hybridization:
   Zobel 1973, 1974a, 1974b, 1975
Hydrologic processes:

Infiltration capacity (see also soil moisture):

Interception (see also precipitation):
Harr 1979; Massman 1983; Rothacher 1963; Shih and others 1973

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Bioenergetics:
Grafius 1977; Grafius and Anderson 1979; Strand 1973a

Biology:

Feeding strategies:

Leaf area (see also forest canopy):
Lichens (see also microbial epiphytes):
Carroll 1980, 1981a; Cooper and Carroll 1978; Denison 1973; Horstman and others 1982;
1983; Sherwood and Carroll 1974; Ure and Maser 1982; Wicklow and Carroll 1981

Life table analysis:
Mitchell 1974; Rhoades 1983

Lignin content (see also decomposition):
Meentemeyer 1977; Sedell and others 1974; Sollins and others 1981b, 1985; Triska and
others 1975; Triska and Sedell 1976

Parasitic:
Lewis and Maser 1981; Rausch 1975

Soil:
Cromack and others 1977a, 1977b; Krantz and others 1973; McBrayer and others 1977;
Strand 1973a

Terrestrial:
Andre 1980; Andre and Voegtlin 1981; Carroll 1980, 1981a; Cooper 1981; Daterman and
others 1973; Emerson and others 1984; Fogel 1973, 1975a; Fogel and Peck 1975; Gashwiler
and Ward 1968; Henry and Lattin in press a, in press b; Krantz and others 1973;
Lattin in press; Lattin and Oman 1983; Lewis and Maser 1981; Lightfoot 1986; Mahmoud
1979; Maser and Trappe 1984b; Mispagel and Rose 1978; Phillips 1983; Razafimahatratra
1978, 1980; Schwartz 1981; Stonedahl 1982, 1984; Stonedahl and Lattin 1986; Strand
1971, 1972, 1973a, 1974; Voegtlin 1982; Whitaker and others 1977; Whitaker and Maser
1976, 1984

Litter, Litterfall:
Aquatic (see also organic matter [streams] and stream detritus):
Cummins and others 1983; Grafius and Anderson 1979; Sedell and others 1974, 1975,
1982; Triska and Buckley 1978; Triska and Cromack 1980; Triska and others 1975, 1982,
1984; Triska and Sedell 1976; Warner 1976

Terrestrial:
Abee and Lavender 1972; Carroll 1981a; Denison 1971; Fogel and Cromack 1974, 1977;
Fogel and others 1973; Gilmour and others 1973; Graustein and others 1977; Grier and
Cole 1972; Grier and others 1974; Grier and Logan 1977; Harris and others 1980; Hinds
1984; Hinds and others 1981; Howe 1978; Johnson and others 1982; Long 1982;
McBrayer and others 1977; McShane and others 1983; Meentemeyer 1977; Mersereau
and Dymniss 1972; Miller and others 1976; Ogawa 1977; Phillips 1975; Pike 1978; Rhoades
1978; Santantonio 1982; Schoenberger and Perry 1982; Sollins and others 1980b; Strand
1973b; Strand and Grier 1973; Swanson and others 1980, 1982a; Triska and Cromack
1980; Warner 1976; Wells and others 1979
Mammals:

Mass movement (see also debris torrents, erosion, and soil movement):

Meteorology (see also precipitation, solar radiation, and temperature):

Microbial epiphytes (see also lichens, mosses, and fungi):

Moisture stress (see also water balance, water flux, and water relations):

Mosses:
Binkley and Graham 1981; Carroll 1980; Naiman and SOOe111980; Pike and others 1972, 1975, 1977; Triska and others 1984

Mycophagy:
Mycorrhizae:
Christy and others 1982; Maser and others 1978a, 1978b; Maser and Trappe 1984a, 1984b; Schoenberger and Perry 1982; Trappe and Fogel 1977; Triska and Cromack 1980

Needle morphology:
Tucker and Emmingham 1977; Zobel 1973

Nitrogen:
Dynamics (see also nitrogen fixation and nutrient cycling):

Fixation:
Binkley 1984b; Buckley and Triska 1978; Helgerson 1981; Helgerson and others 1984; Horstman and others 1982; Howe 1978; Johnson and others 1982; McNabb and Cromack 1983; Pike 1978; Silvester and others 1982; Sollins and others 1980b; Triska and others 1984; Ward 1984

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Binkley 1984a, 1984b; Fredriksen 1972b, 1975; Fredriksen and Moore 1972; Gholz and others 1984; Grier and others 1974; Henderson and others 1978; Johnson and others 1982; Krzak 1980; Sedell and Dahm 1984; Sollins and others 1974, 1980b; Sollins and McCorison 1981; Triska and others 1984

Cycling:
**Leaching (see also nutrient cycling):**
Carroll 1980; Cooper and Carroll 1978; Edmonds 1975, 1977; Grier and Cole 1972; Harris and others 1980; Johnson and others 1982; Miller and others 1976; Pike 1978; Schoenberger and Perry 1982; Sollins and others 1980b; Sollins and McCorison 1981; Strand and Grier 1973; Triska and Buckley 1978; Triska and others 1975, 1984

**Litter.**
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**Microbial epiphytes:**
Carroll 1980; Fogel 1976a; Pike 1978; Pike and others 1972

**Roots:**
Miller and others 1976; Santantonio and others 1977

**Soil:**

**Stream:**
Aho and others 1973; Cummins 1980; Edmonds 1975; Fredriksen 1971, 1972a, 1972b, 1975; Fredriksen and others 1975; Fredriksen and Harr 1979; Gregory 1976, 1978; Henderson and others 1978; Maser and Trappe 1984b; Miller and others 1976; Minshall and others 1983; Moeller and others 1979; Naiman and Sedell 1979a, 1979b, 1981; Rothacher and others 1967; Sedell and others 1973; Sollins and others 1980b; Sollins and McCorison 1981; Swanson and others 1982a; Ward 1984, 1985

**Vascular plants:**
Carroll 1980; Fogel and others 1973; Gholz 1978; Grier and Cole 1972; Grier and others 1974; Johnson and others 1982; Krzak 1980; Miller and others 1976; Overton and others 1973a; Smith and others 1981; Sollins and others 1980b; Waring 1980b; Zobel and others 1974, 1976

**Old-growth forests:**
Organic matter:

Budgets:
Cummins and others 1983; Edmonds 1974; Moeller and others 1979; Sedell and others 1973, 1974; Sollins and others 1980b; Swanson and others 1982a; Triska and others 1982; Waring and Edmonds 1974

Distribution:
Grier and others 1974; Grier and Logan 1977; Johnson and others 1982

Soil:
Harris and others 1980; Santantonio 1982; Sollins and others 1984; Spycher and others 1983; Strand 1973b; Strand and Grier 1973; Wells and others 1979

Streams (see also litter and litterfall [aquatic], stream detritus, and woody debris [streams]):

Organization:
McKee 1984

Paleobotany:
Gottesfeld and others 1981; Waring and Franklin 1979

Periderm color: Zobel 1973, 1974b

Periphyton (see also algae):
Aho and others 1973; Cummins 1980; Edmonds 1977; Lyford and Gregory 1975; McIntire 1971; McIntire and Colby 1978; Murphy and Hall 1981; Naiman and Sedell 1980, 1981; Pereira and others 1982; Rounick and Gregory 1981; Sedell and others 1973; Triska and others 1982

Pesticides:
Anderson and others 1976; Fredriksen and others 1975; Moore and others 1974; Sollins and others 1981b

Phenology:
Campbell and Franklin 1979; Dyrness 1973a; Emmingham 1977; Fogel 1976a; Gholz 1978; Hickman 1968; McKee 1972; McKee and others 1981; Rounick and Gregory 1981; Russel 1974; Waring and Edmonds 1974; Zobel and others 1974

Phenophases:
McKee 1972; Zobel and others 1974

Photoperiod (see also solar radiation):
McCullough 1964; McKee and others 1981
Photosynthesis:
Edmonds 1975; Emmingham 1982; Emmingham and Waring 1977; Naiman and Sedell 1980;
Reed and others 1973; Waring 1980b; Waring and others 1973, 1978a; Waring and Franklin
1979; Waring and Running 1978; Webb and others 1983; Zobel 1974a

Plant communities:
Campbell and Franklin 1979, 1981; Dyrness 1965a, 1973b; Dyrness and others 1971, 1976;
Dyrness and Hawk 1972; Edmonds 1974, 1977; Emmingham 1982; Emmingham and Lund-
berg 1977; Franklin 1965a, 1965b, 1979b; Franklin and Dyrness 1969, 1971, 1973; Franklin and
others 1972b; Gholz and others 1976; Grier and Logan 1977; Hawk 1973b, 1977, 1979; Hawk
and Dyrness 1972; Hawk and others 1978, 1982; Hawk and Zobel 1974; Hemstrom and oth-
ers 1982; Hickman 1968, 1976; McKee and others 1981; Miles 1983; Rothacher and others
1967; Sullivan 1976, 1978; Topic and Hemstrom 1982; Waring 1973b; Waring and Edmonds

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others 1978, 1982; Hawk and Zobel 1974; Mersereau and Dyrness 1972; Miles 1983; Sullivan
1978; Wiens and Nussbaum 1975

Population dynamics (see also forest dynamics):
Invertebrates:
Grafius and Anderson 1979, 1980; Hawkins 1982; Schowalter and others 1986; Strand
1973a; Waring 1973a

Lichens:

Stream communities:
Grafius and Anderson 1979, 1980; Hawkins 1982; Lyford and Gregory 1975; McIntire 1971;
McIntire and Colby 1978; McIntire and others 1975; Murphy 1979

Vertebrates:
Nussbaum and Clothier 1973; Peacock and Nussbaum 1973

Precipitation:
Anderson and others 1976; Christner 1981; Coniferous 1977; Fredriksen 1965a, 1965b, 1970,
Berris 1983; Harr and others 1982; Harr and McCorison 1979; Harr and Ranken 1973; Harr
and Swanson 1980; Hawk and others 1982; Henderson and others 1978; Johnson 1978;
Long 1982; Massman 1983; McNabb and Cromack 1983; Mispagel and Rose 1978; Roth -
Sollins and others 1977, 1979, 1980b; Sollins and McCorison 1981; Swanson 1979; Swanson
and others 1980; Swanston and Swanston 1976; Waring and others 1978b; Waring and
Franklin 1979; Waring and Running 1976

Production, Productivity:
Fish:
Forests:

Microbial epiphytes:

Roots:
Harris and others 1980; Santantonio 1981, 1982; Schoenberger and Perry 1982

Streams:

Reference stands:

Remote sensing:
Dyer and Crossley in press; Running and others 1986; Sader 1984

Research natural areas (see also biosphere reserves):
Franklin and others 1972b, 1977; Klopcsch and others 1979; McKee and others 1977, 1978, 1982

Respiration:
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Zone:
Running and others 1975; Santantonio and Hermann 1985; Waring 1980c; Waring and others 1973; Waring and Running 1976

Sampling methodology and equipment:

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Sapwood water storage (see also water relations [plants]):
Running and others 1975; Waring 1985; Waring and others 1973; Waring and Running 1976, 1978

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Budgets:
Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982

Storage (see also sediments-sedimentation):
Swanson 1980; Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982

Yield (see also sediments-sedimentation):
Larson 1981; Larson and Sidle 1980; Swanson 1979, 1981; Swanson and others 1982a, 1982c; Swanson and Fredriksen 1982
Sediments, Sedimentation (see also alluvial deposits and stream substrates):

Seed:

Dispersal:
Carkin and others 1978; Gashwiler 1969

Germination:
Franklin and Krueger 1968; Tarrant 1956b; Tarrant and Wright 1955

Production:
Christy and Mack 1984; Franklin 1968a; Franklin and others 1974; Gashwiler 1965b, 1969, 1971a, 1979; Silen 1952

Source:
Franklin and others 1979; Franklin and Greathouse 1969a, 1969b

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Franklin 1968b; Franklin and Greathouse 1969a, 1969b

Seed trees:
Franklin 1963, 1968a

Seed zones:
Campbell and Franklin 1981

Seedling growth and survival (see also forest regeneration):
Berntsen 1958; Christy and others 1982; Christy and Mack 1984; Franklin 1961b, 1962; Franklin and others 1974; Franklin and Rothacher 1962; Gashwiler 1971b; Gashwiler and Ward 1968; Miles 1983; Miles and others 1984; Rothacher and Franklin 1964; Schoenberger and Perry 1982; Silen 1956, 1960; Stewart 1984; Sullivan 1976, 1978; Tarrant 1956b; Tarrant and Wright 1955; Waring 1980b; Zobel 1975; Zobel and others 1973b

Shade or shading:
Silviculture (see also forest regeneration, slash or broadcast burning, and timber harvesting):
Committee of Scientists 1977; Franklin 1965a, 1968a; Larson 1981; McKee in press; Means 1982a; Miller and others 1976; Norris and others 1983; Sollins and others 1974, 1982; Sullivan 1976, 1978; Swanston and others 1980

Site classification (see also habitat types):
Dyrness 1973a; Edmonds 1982b; Emmingham 1982; Franklin 1977b, 1980; Franklin and others 1970; Means 1982a

Site index:
DeMars 1969; DeMars and others 1970; Herman and others 1975, 1978; Means and Helm 1985

Slash or broadcast burning:

Snowmelt:

Soil:
Disturbance (see also erosion, mass movement and soil movement):

Genesis:
James 1977

Mapping:
Dyrness and Hawk 1972; Hawk and Dyrness 1972; Simons and others 1978

Moisture:
Morphology:

Movement (see also erosion, mass movement and soil disturbance):

Stability:

Water flux:
Harr 1977, 1979; Harr and Grier 1976; Harr and Ranken 1973; Harr and Swanson 1980; Shih and others 1973; Sollins and McCorison 1981; Swanson and others 1982a; Swanston 1976

Solar radiation:
Coniferous 1977; Gay 1973; Gregory 1976; Levno and Rothacher 1967; Lyford and Gregory 1975; Naiman and Sedell 1980; Reed and others 1973; Running 1976; Sollins and others 1979; Tucker and Emmingham 1977; Waring 1980a, 1983; Waring and others 1978b; Waring and Running 1976

Solution chemistry (see also nutrients [soils]):
Sollins and others 1980a, 1980b; Sollins and McCorison 1981

Solution transport (see also erosion and soil movement):
Sollins and others 1980b; Swanson and others 1980, 1982a; Swanson and Sedell 1978

Species list (see also taxonomic checklist):
Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Mispagel and Rose 1978; Pike and others 1975; Rhoades 1972; Sherwood and Carroll 1974; Yerkes 1960

Stand ordination:
Stem analysis (see also vegetation mapping):
DeMars 1969; DeMars and others 1970; Dyrness 1973a; Franklin and others 1982; Fujimori 1977; Hawk 1973b, 1979; Hawk and others 1978; Herman and DeMars 1970; Herman and others 1975, 1978

Stemflow:
Grier and Cole 1972; Grier and others 1974; Miller and others 1976; Rothacher 1963

Stomatal behavior:
Marshall and Waring 1984; Reed and others 1973; Reed and Waring 1974; Running 1974; Tucker and Emmingham 1977; Waring 1971; Waring and Running 1978; Zobel 1974a, 1975

Storm runoff (see also flood control and stream discharge rate or flow):

Storms:
Dale and others 1984; Dyrness 1967b; Fredriksen 1965a; Gratkowski 1956; Rothacher 1963, 1965a, 1973; Rothacher and others 1967; Swanson 1979; Swanson and others 1976a

Stream:
Buffer strips:
Franklin and others 1981; Sedell and Froggatt 1984; Steinblums and others 1984

Communities (see also fish, invertebrates [aquatic], and periphyton):

Detritus (see also litter and litterfall [aquatic], and organic matter [streams]):
Aho and others 1973; Anderson and others 1978, 1984a; Anderson and Grafius 1975; Anderson and Sedell 1979; Aumen and others 1983; Cromack and others 1978; Cummins 1980; Cummins and others 1983; Dahm 1984; Dahm and others 1981; Edmonds 1975, 1977; Everest and Meehan 1981; Franklin and others 1981; Grafius 1977; Grafius and Anderson 1979, 1980; Hawkins and others 1982; Hawkins and Sedell 1981; Maser and Trappe 1984b; McIntire and Colby 1978; Meehan and others 1977; Naiman and Sedell 1979a, 1979b, 1980; Pereira and others 1982; Rothacher 1959; Sedell and Dahm 1984; Sedell and others 1973, 1974, 1975, 1978; Sedell and Froggatt 1984; Sollins and others 1985; Speaker and others 1984; Triska and others 1984; Ward 1984
**Discharge rate or flow (see also hydrology):**

**Functions:**
Cummins and others 1984; Dahm 1984; Naiman and Sedell 1980; Sedell and Dahm 1984; Speaker and others 1984; Triska and others 1982; Vannote and others 1980; Waring 1980c

**Gradient**
Haer and others 1984; Twkins and others 1983; Murphy and others 1981; Murphy and Hall 1981; Naiman and Sedell 1979a; Sedell and others 1978

**Hydrology (see also stream discharge rate or flow):**
Christner 1981; Christner and Harr 1982; Harr 1976b; Keller and Swanson 1979; Naiman and Sedell 1979a; Rothacher 1959; Sedell and others 1978

**Management**
Cromack and others 1978; Cummins 1980; Frear 1982; Meehan and others 1977; Sedell 1972; Sedell and others 1973, 1982; Sedell and Froggatt 1984; Sedell and Luchessa 1982; Steinblums and others 1984; Swanson and others 1976b; Swanson and Lienkaemper 1978; Swanson and Sedell 1978; Triska and Cromack 1980; Triska and others 1982; USDA, Forest Service, 1958; Waring 1976

**Morphology:**
Hawkins and others 1983; Keller and Swanson 1979; Meehan and others 1977; Minshall and others 1983; Sedell and others 1978, 1982; Sedell and Luchessa 1982; Swanson and others 1976b, 1980, 1982b; Swanson and Lienkaemper 1978; Swanson and Swanston 1977; Triska and others 1984

**Order.**
Anderson and others 1978; Cummins and others 1983; Meehan and others 1977; Minshall and others 1983; Naiman and Sedell 1979a, 1979b, 1980, 1981; Sedell and others 1978, 1982; Swanson and others 1982b; Triska and Cromack 1980; Triska and others 1982; Vannote and others 1980

**Processes (see also erosion, sediments-sedimentation, and stream discharge rate or flow):**
Structure:
Cummins 1980; Hawkins and others 1982, 1983; McIntire and others 1971, 1975; Minshall and others 1983; Sedell 1972; Sedell and others 1973, 1982; Triska and others 1982; Vannote and others 1980; Waring 1973b, 1980c

Substrates:
Gregory 1978; Hawkins and others 1982, 1983; Sedell and Luchessa 1982

Succession (see also forest regeneration):

Synthesis report (Coniferous Forest Biome):
Aho and others 1973; Edmonds 1974, 1975, 1977, 1982a; Franklin and others 1972a; Waring 1973b; Waring and Edmonds 1974

Taxonomic checklist (see also species list):
Anderson 1976b; Anderson and others 1982; Berntsen and Rothacher 1959; Dudley and Anderson 1982; Franklin and Dyrness 1971; Hickman 1968; Lewis and Maser 1981; Lightfoot 1986; Pike 1972a; Sherwood 1973; Voegtlin 1982

Taxonomy:
Fungi:
Fogel 1975a, 1975b, 1979

Invertebrates:

Vascular plants:
Franklin 1961b; Hickman 1968

Vertebrates:
Jackman and Scott 1975
Temperature:

Air.

Soil:

Stress:
Gholz 1978; Gholz and others 1976; Waring and Franklin 1979; Zobel and others 1976

Water.
Fredriksen 1972a; Fredriksen and Harr 1979; Grafius and Anderson 1979, 1980; Gregory 1976; Levno and Rothacher 1967, 1969; Meehan and others 1977; Rothacher and others 1967; Sedell and others 1973

Timber harvesting:

Topography:
Berntsen and Rothacher 1959; Boyce and Wagg 1953; Franklin 1965b; Franklin and Dyrness 1969, 1973; Franklin and others 1972b; Fredriksen 1970; Hawk 1977; Hickman 1968; Steinblums and others 1984; Sullivan 1976; Swanson and James 1975a, 1975b; Waring 1982
Transpiration (see also evaporation):

Tree:
Diameter.
Hemstrom and Adams 1982; Means 1982a; Stewart 1984; Waring 1982; Waring and Franklin 1979

Mortality (see also fallen trees, seedling growth and survival, windthrows, and woody debris):

Planting:
Anderson and others 1976; Berntsen 1958; Rothacher and Franklin 1964

Vigor.
Waring 1980b, 1980c, 1983

Trophic relations:
Aho and others 1973; Carroll 1980; Colby and McIntire 1978; Cummins 1980; Gregory 1983; Hawkins and Sedell 1981; Mispagel and Rose 1978; Murphy and others 1981; Norris and others 1983; Sedell and others 1973; Strand 1973a; Warren 1971; Wilzbach and Hall 1985

Vegetation:
Mapping (see also stem analysis):
Dyrness 1973a; Dyrness and Hawk 1972; Hawk 1973b, 1979; Hawk and Dyrness 1972

Plot data:
Means 1980, 1982a

Study:

Zones (see also forest zones):
Gholz 1979, 1982; Grier and Running 1977; Waring and Edmonds 1974; Zobel and others 1974, 1976

Vertebrate biology:
Water:

*Balance (plants):*
  Gholz 1979, 1982; Grier and Running 1977; Long 1982; Sollins and others 1980a; Waring 1985

*Conductance (plants (see also water flux):*

*Cycling:*

*Flux (conifers) (see also water conductance):*
  Running and others 1975; Waring and others 1973; Waring and Running 1976

*Quality (streams):*
  Anderson and others 1976; Brown 1973; Cushing and others 1980; Edmonds 1974, 1975; Fredriksen 1971, 1972a; Fredriksen and others 1975; Fredriksen and Harr 1979; Minshall and others 1983; Moore and others 1974; Naiman and Sedell 1979a, 1980; Rothacher and others 1967; Sedell and others 1975; Sollins and McCorison 1981; Triska and others 1984; Triska and Sedell 1976

*Relations (plants) (see also sapwood water storage, water balance, and water conductance):*
  Edmonds 1977; Grier and others 1978; Howe 1978; Running and others 1975; Waring 1985; Waring and others 1980; Webb and others 1978

*Sampling:*
  Fredriksen 1969

*Yield (streams) (see also stream discharge rate or flow):*

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

Weathering:
  James 1977; Sollins and others 1980b

Wildfire:
  Burke 1979; Stewart 1984; Swanson 1981
Wildlife management:
Dealy 1959, 1966; Forsman and others 1984; Harris 1984a, 1984b; Harris and others 1982; Jackman and Scott 1975; Nussbaum and Maser 1975; Ruggiero and Carey 1984; The Timberman 1957; USDA, Forest Service, 1958

Windthrows (see also fallen trees and woody debris):
Graham 1981a, 1981 b; Gratkowski 1956; Steinblums and others 1984

Woody debris:
Streams (see also fallen trees and organic matter [streams]):

Terrestrial (see also fallen trees and windthrows):
Cline and Phillips 1983; Franklin 1982a, 1982b; Franklin and others 1981; Franklin and Waring 1980; Graham 1981a, 1981 b; Grier and Logan 1977; Harmon and others 1986; Maser and others 1978b; Means and others 1981, 1984, 1985; Sollins and others 1980b; Strand and Grier 1973; Thomas and others 1979; Triska and Cromack 1980; Waring 1980c

A list of publications resulting from research at the H.J. Andrews Experimental Forest, Willamette National Forest, Oregon, from 1948 to 1986 is presented. Nearly 600 publications are listed, including papers, theses, and abstracts. An index is provided that cross-references the listings under appropriate keywords.

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

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