

Directory of Selected Forestry-related Bibliographic Data Bases

PACIFIC
SOUTHWEST
Forest and Range
Experiment Station

FOREST SERVICE
U.S. DEPARTMENT OF AGRICULTURE

GENERAL TECHNICAL
REPORT PSW- 34



PETER A. EVANS is reference librarian, Forestry and Forest Products Libraries, University of California, Berkeley, Calif. He earned a bachelor's degree in forestry at the University of California, Berkeley (1951), a M.A. degree in English at San Francisco State College (1961), and a M.L.A. degree at San Jose State College (1968). He has been on the University of California library staff since 1975.

Evans, Peter A., compiler.

1979. **Directory of selected forestry-related bibliographic data bases.** Gen. Tech. Rep. PSW-34, 42 p. Pacific Southwest Forest and Range Exp. Stn., Forest Serv., U.S. Dep. Agric., Berkeley, Calif.

This compilation lists 117 bibliographic data bases maintained by scientists of the Forest Service, U.S. Department of Agriculture. For each data base, the following information is provided: name of the data base; originator; date started; coverage by subject, geographic area, and size of collection; base format; retrieval format; ways to query; who to query, and availability. Four indexes are included: subject, originator, geographic coverage, and Forest Service and other locations.

Retrieval Terms: Information systems, bibliography, directories, forests, forestry.

ACKNOWLEDGMENTS

Work on this directory was the result of the Station's Cooperative Agreement PSW-41 with the Department of Forestry and Resource Management, University of California, Berkeley. T. Bruce Yerke, administrative librarian of the Station, had made a pilot study of Forest Service data bases earlier. The encouraging responses to his survey led to the cooperative agreement.

I thank Mary Kate Healey, my assistant, for her patience, persistence, and unfailing cheerfulness. Michael J. Vevea and Alan G. Strangenberger, computer specialists with the University of California, were most generous with their time and assistance. Alan was particularly helpful in bringing the project to its conclusion, revising the format as necessary and ironing out the inevitable, unforeseen technical problems. Finally, I thank Esther Johnson, librarian of the University's Forestry Library, who made available the time for me to work on this directory.

Directory of Selected Forestry-related Bibliographic Data Bases

Peter A. Evans, compiler

CONTENTS

Introduction	1
How to Use the Directory	2
Indexes	3
Subject	3
Originators	4
Geographical Coverage	5
Forest Service and Other Locations	5
Data Bases	6

Pacific Southwest Forest and Range Experiment Station
P.O. Box 245
Berkeley, California 94701
September 1979

A data base is an organized collection of information. Generally, for the ease of updating and maintenance, the information is recorded on cards, microfiche, or computer tape. Usually one or more indexes (author, title, subject, etc.) are provided to allow a planned rather than a random approach to the information. FORESTRY ABSTRACTS, both the printed version prepared by Commonwealth Forestry Bureau and the computer service supplied by Lockheed, is a data base; so is the card catalog in a library.

This directory provides access to 117 data bases maintained by scientists of the Forest Service, U.S. Department of Agriculture. It is a selection, not a complete listing, of these data bases. Most of them are bibliographic, although a few provide raw data (usually resource inventories) or names and addresses.

Many of these data bases were begun and are maintained by an individual because of his or her personal interest within the field of forestry or a related discipline. All material listed appears with permission of the person who will respond to inquiries, but this response will often be in addition to that person's normal duties. Rarely is maintenance of the data base, or assistance in its use, a required part of the person's job. Therefore, users should respect limitations on the form, time and place of response.

Although this directory is not a complete listing of Forest Service data bases and despite the obvious limitation of all directories—they are quickly out of date—this publication should make it easier for foresters, land managers, researchers and others interested in natural resources to exchange information.



HOW TO USE THE DIRECTORY

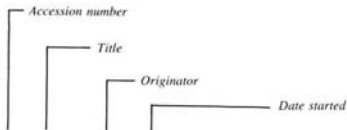
For each of the 117 entries, this directory provides the following:

- Name of the data base.
- Who started it (originator).
- When it was started.
- Data base coverage by (a) subject, (b) geographical area, and (c) size of collection.
- Manner in which the originator organized the information (Base format).
- Manner in which you will receive an answer to your inquiry (Retr. format) and an estimate of the time it will take you to get an answer.

- Way in which you should ask your question (Retr. element).
- Who to ask (Contact).
- Who may use this service (Availability) and whether it is free or a charge is imposed.

The data bases are arranged in alphabetical order, by title. For each data base there is an accession number, which is used to index it in four ways: subject, originator, geographical coverage, and Forest Service experiment station or laboratory at which located.

A sample entry is provided below:



1 ADHESIVES/Bryan River/1966

Coverage:	Adhesives, buildings, wood	Keyword description
	Worldwide	Geographical coverage
	Index from 1966 includes hard copies in personal file, dealing mainly with adhesives but also with the use of adhesives and wood in building construction. There is also a listing of laboratory reports on adhesives since 1910.	Abstract
	1400 citations	Approximate number of citations (as of June 1978)
	100 citations per year	Approximate number of citations added per year
Base format:	Author and title references	Type of information available
Retr. format:	Computer printout/2 weeks System used: KWIC index Computer center: Univ. of Wis. Madison Area Comput. Cent.	Form in which you will receive answer to inquiry/estimated time it should take to get answer
Retr. element:	Title only, or keywords	When computer printout is involved, the system and source are given
Contact:	Bryan River Forest Products Laboratory P.O. Box 5130 Madison, WI 53705 (608) 257-2211 FTS (R) 364-2403	Information you must supply to receive an answer Name, address, and telephone number(s) of person to contact
Availability:	Forest Service, faculty, graduate students and anyone who wishes to come to FPL and use the data base on the site/free.	Who may have access to data base Charges, if any, for service

INDEXES

Subject

- Adhesives, 1, 51
- Aerial Photography, 87
- Afforestation, 52
- Air Pollution, 2, 8
- Allelopathy, 3
- Armillaria, 4
- Artemisia, 50, 92, 93
- Aspen, 5
- Atriplex, 50
- Atta, 9
- Bark Beetles, 64, 108
- Buprestidae, 56
- Camping (see Recreation)
- Carya, 11
- Celtis, 54
- Cerambycidae, 56
- Ceratocystis fagacearum*, 69
- Chemistry of Wood, 67, 113, 114
- Chips, 73, 80
- Choristoneura, 111
- Christmas Trees, 14
- Chrysomelids, 50
- Climate (see Meteorology)
- Conifers, 15, 26, 35, 65
- Cossidae, 56
- Cronartium ribicola*, 16
- Deer, 112
- Diplodia pinea*, 26
- Disease (see Phytopathology)
- Dothistroma, 26
- Drying (see Seasoning)
- Ecology, 5, 8, 10, 18, 28, 41, 55, 68, 82, 115
- Economics, 7, 40, 46, 84, 98
- Elk, 66
- Employees (see Labor)
- Engineering (see Forest Engineering)
- Entomology, 9, 13, 15, 54, 56-58, 64, 93, 108, 116
- Erosion, 29, 37, 44, 48, 53, 74
- Esthetics, 20, 91
- Extractives, 65, 88, 114, 117
- Farm Forests (see Private Forests and Forestry)
- Fertilization (see Forest Fertilization)
- Fire, 10, 22-24, 31-33, 59, 70, 82, 83, 96, 100 (see also Prescribed Burning)
- Forecasting, 40
- Forest Engineering, 25, 29, 102
- Forest Fertilization, 30 (see also Plant Nutrition)
- Forest Genetics (see Genetics)
- Forest Hydrology (see Hydrology)
- Forest Inventory (see Forestry-Statistics)
- Forest Mensuration, 62, 89, 115
- Forest Pathology, 116 (see also Phytopathology)
- Forest Soils (see Soils)
- Forest Surveys (see Forestry-Statistics)
- Forestry-Statistics, 62, 89, 90
- Forests and Forestry, 25, 41, 42, 79, 98
- Fungi, 105 (see also Phytopathology)
- Genetics, 11, 34-36, 50, 71, 101
- Glulam, 51
- Hardwoods, 18, 30, 55, 56, 68, 101
- Hiking (see Recreation)
- Hydrology, 37, 38, 42, 47, 48, 74, 109, 115 (see also Watershed Management)
- Inventory (see Forestry-Statistics)
- Juglans, 11
- Kilns, 17, 60
- Labor, 39
- Larch Casebearer, 58
- Lightning, 59
- Logging, 29, 66, 102
- Lumber Drying (see Seasoning)
- Maple Syrup, 61
- Marketing, 12, 14
- Meteorology, 2, 24, 38
- Mines and Mining (see Strip Mining)
- Mistletoe, 63
- Mites, 64
- Monoterpenes, 65
- Mycology, 27
- Mycorrhiza, 105
- Natural Resources, 78, 86, 87, 89
- Nutrition (see Plant Nutrition)
- Oleoresins, 88
- Ownership, 7
- Particle Board, 75
- Pathology (see Phytopathology)
- Physiology (see Tree Physiology)
- Phytopathology, 16, 27, 104, 105 (see also Forest Pathology; Fungi; and Wood Deterioration)
- Pinus* sp., 35
- Pinus clausa*, 94
- Pinus lambertiana*, 16
- Pinus monticola*, 16, 77
- Pinus ponderosa*, 98-100
- Plant Breeding (see Genetics)
- Plant Distribution (see Vegetation Surveys)
- Plant Nutrition, 45, 48, 100, 103 (see also Forest Fertilization)
- Pollution (see Air Pollution; Water Quality)
- Prescribed Burning, 23, 31, 32, 83 (see also Fire)
- Private Forests and Forestry, 7

Pulp and Paper, 21, 73
 Pulpwood, 80, 90
 Quercus, 69
 Range Management, 81-83
 Reclamation of Land, 19, 85
 Recreation, 6, 12, 20, 72, 91, 104 (see also Wilderness)
 Reforestation, 94, 110 (see also Regeneration)
 Regeneration, 18, 97, 98 (see also Reforestation)
 Remote Sensing, 86, 87
 Resins, 88, 114, 117
 Revegetation, 85
 Rivers, 91
 Safety Measures, 104
 Sagebrush, 92, 93
 Seasoning, 17, 60
 Sedimentation, 53
 Seeds, 15, 96
 Sesiidae, 56
 Sewage, 6, 95
 Shelterbelts (see Windbreaks)
 Shrubs, 93
 Silviculture, 14, 18, 28, 36, 41, 55, 96-99, 103, 115
 Site-Index, 43, 97
 Snow, 47
 Sociology, 20, 78
 Soils, 42-45, 74, 96, 97, 100, 115
 Strip Mines, 19
 Taiga, 10
 Tall Oil, 73, 114, 117
 Taxation, 7, 46
 Taxonomy, 4, 83, 101
 Tree Breeding (see Genetics)
 Tree Physiology, 2, 5, 8, 36, 76, 88, 103, 106
 Tropical Forestry, 107
 Tropical Woods, 17
 Tundra, 10
 Turpentine, 65
 Urban Forestry, 20, 104
 Vegetative Surveys, 10
 Water Quality, 47, 95, 100, 109
 Watershed Management, 37, 38, 53, 74, 109 (see also Hydrology)
 Weather (see Meteorology)
 White pine blister rust, 16
 Wilderness, 6, 72 (see also Recreation)
 Wildlife, 49, 66, 81, 82, 112
 Windbreaks, 52
 Wood Anatomy (see Wood Structure)
 Wood Construction, 1, 51
 Wood Deterioration, 105 (see also Phytopathology)

Wood Residues, 80
 Wood Structure, 67, 113

Originators

Allen, Eugene O., 66
 Auchmoody, Luther, 30
 Boldt, Charles E., 99
 Bones, James T., 90
 Brendemuehl, R. H., 94
 Brink, Glenn E., 79
 Campbell, Ralph E., 100
 Carmean, Willard H., 43, 45
 Carpenter, Eugene M., 7
 Clements, Ralph W., 88
 Cosgrove, John, 89
 Daniels, R. A., 101
 Davis, James B., 70
 DeBano, Leonard, 42
 Denton, Robert E., 58
 Dickson, Richard E., 106
 Dieterich, John H., 32
 Driscoll, Richard S., 86
 Fellin, Dave, 111
 Forestry Sciences Laboratory, 39
 Fredericksen, R. L., 48
 Funk, David, 11
 Gardner, R. B., 29
 Garrett, Lawrence D., 61
 Geimer, Robert, 75
 George, Charles W., 33
 Gibson, Harry G., 102
 Hajny, George J., 73
 Hall, Dale O., 98
 Hansen, George M., 25
 Harniss, Roy, 5, 92
 Hawksworth, F. G., 63
 Hebb, Edwin, 41
 Heede, Burchard H., 53
 Helfman, Robert S., 24
 Hoff, Ray, 16, 77
 Horsley, Stephen B., 3
 Institute of Forest Genetics Scientific Staff, 36
 Institute of Tropical Forestry Library, 107
 IUFRO, 116
 Kingsley, Neal P., 80
 Klock, G. O., 44
 Kraus, John F., 35
 LaFarge, Timothy, 34
 LaPage, Wilbur F., 12, 84
 Leonard, Raymond, 6
 Lime, David, 91
 Lucas, Robert C., 72
 Magill, Arthur W., 20
 Marquis, David A., 55
 Martignoni, Mauro E., 13
 Martin, Robert E., 96
 McArthur, E. D., 50

McCambridge, William F., 108
 McDonald, Bill, 69
 McDonald, Philip, 68
 McMillen, John, 17, 60
 Megahan, Walter F., 109
 Merkel, E. P., 15
 Metzger, Fred T., 18
 Mienke, E. P., 27
 Mignery, Arnold, 97
 Miller, Paul R., 2
 Monsen, Stephen B., 85
 Moody, Russell, C., 51
 Moser, John C., 9, 54, 64
 Nolley, Jean W., 14
 Northern Great Plains Resources Program, 78
 Paine, Lee A., 104
 Palmer, John G., 105
 Parker, Johnson, 76
 Pearson, Henry A., 83
 Peterson, Glenn W., 26
 Pfister, R. D., 28
 Plass, Bill, 19
 Quirk, J. Thomas, 113
 Range and Wildlife Management Staff Unit-Region-
 2, 81
 Rangeland Inventory and Evaluation Program-
 1707, 87
 Ratliff, Raymond D., 82
 Read, Ralph A., 52
 River, Bryan, 1
 Rowe, John W., 114
 RWU-4101, 62
 RWU-1105 (Scientists), 115
 RWU-1702 (Staff), 49
 RWU-PSW-1201, 103
 RWU-SO-1751, 112
 Sachs, Irving B., 67
 Sackett, Stephen, 31
 Setterholm, Vance C., 21
 Shaw, Charles G., III, 4
 Siegel, William C., 46
 Snyder, E. Bayne, 71
 Snyder, Gordon, 47
 Solomon, J. D., 56
 Spelter, Henry, 40
 Squillace, A. E., 65
 Staff-NE-2202, 57
 Stein, William I., 110
 Swift, Lloyd W., Jr., 38
 Taylor, Alan R., 23, 59
 Tiernan, Charles, 93
 United States Environmental Protection Agency, 8
 Urie, Dean H., 95
 Ursic, S. J., 74
 Viereck, Leslie, A., 10
 Wade, Dale, 22
 Zeimer, Robert R., 37
 Zinkel, Duane F., 117

Geographical Coverage

Appalachian Region, 97
 Circumboreal, 10
 Eastern North America, 49
 Great Plains, 78
 Individual States, 62
 North America, 5, 6, 12, 14, 15, 19, 20, 24, 28, 30,
 33-35, 38, 40, 41, 43, 46, 47, 50, 55, 56, 61, 69,
 70, 72, 82, 84, 91-93, 98, 100, 103, 106, 108,
 115
 North Central States, 45, 89
 Northeastern States, 18, 80, 90
 Pacific Northwest, 25, 111
 Rocky Mountains, 79, 111
 Southeastern States, 71, 83, 94, 101
 Southern States, 112
 Tropics, 107
 Western Hemisphere, 9, 104
 Western States, 5, 92, 99
 Worldwide, 1-4, 7, 8, 11, 13, 16, 17, 21-23, 26,
 27, 29, 31-34, 36, 37, 39, 42, 44, 48, 51-54,
 57-60, 63-68, 73-77, 81, 85-88, 91, 95, 96, 102,
 105-107, 109, 110, 113, 114, 116, 117

Forest Service and Other Locations

Boise Interagency Fire Center, 23
 Forest Products Laboratory, 1, 17, 21, 40, 51, 60,
 67, 73, 75, 105, 113, 114, 117
 Forest Service, Washington D.C., 70
 Institute of Tropical Forestry, 107
 Intermountain Forest and Range Experiment Sta-
 tion, 5, 16, 28, 29, 33, 47, 50, 58, 59, 72, 77,
 78, 85, 92, 93, 98, 109, 111
 North Central Forest Experiment Station, 7, 11, 18,
 36, 43, 45, 62, 89, 91, 95, 106, 116
 Northeastern Forest Experiment Station, 3, 6, 12,
 14, 19, 30, 39, 49, 55, 57, 61, 76, 80, 84, 90,
 102
 Other, 8, 66
 Pacific Northwest Forest and Range Experiment
 Station, 4, 10, 13, 25, 44, 48, 96, 110
 Pacific Southwest Forest and Range Experiment
 Station, 2, 20, 24, 27, 37, 63, 68, 82, 103, 104
 Rocky Mountain Forest and Range Experiment Sta-
 tion, 26, 31, 32, 42, 52, 53, 63, 79, 81, 86, 87,
 99, 100, 108
 Southeastern Forest Experiment Station, 15, 35,
 38, 41, 88, 94
 Southern Forest Experiment Station, 9, 22, 34, 46,
 54, 56, 64, 65, 69, 71, 74, 83, 97, 101, 112, 115

DATA BASES

1 ADHESIVES/ Bryan River / 1966

- Coverage:** Adhesives, buildings, wood
Worldwide
Index from 1966 includes hard copies in personal file, dealing mainly with adhesives but also with the use of adhesives and wood in building construction. There is also a listing of laboratory reports on adhesives since 1910.
1400 citations
100 citations per year
- Base format:** Author and title references
- Retr. format:** Computer printout/ 2 weeks
System used: KWIC index
Computer center: Univ. of Wis.--
Madison Area Comput. Cent.

Retr. element: Title only, or keywords

Contact: Bryan River
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 364-2403

Availability: Forest Service, faculty, graduate students, and anyone who wishes to come to FPL and use the data base on the site/ free

2 AIR POLLUTANT EFFECTS ON FORESTS/ Paul R. Miller / 1965

- Coverage:** Pollutants, species, effects, physiology, ecosystems, meteorology
Worldwide
Reprint library organized according to FAMULUS specifications, many keywords. Includes information on forest ornamental and crop plants and air pollution effects.
867 citations
50 to 60 citations per year

Base format: Bibliographic citation, keywords, reprints, a few translations

Retr. format: Computer printout, letter or verbal--

by telephone or in person at site of data base.

System used: FAMULUS

Computer center: Univ. Calif. Riverside Comput. Cent.

Compatible with: IBM 360/50

Retr. element: Author and title

Contact: Paul R. Miller
Pacific Southwest Forest and Range Exp. St.
University of California
Riverside, CA 92521
(714) 787-3661
FTS (8) 796-1474

Availability: Forest Service, faculty, graduate students, and others/ free, but unable to handle a large volume of requests.

3 ALLELOPATHY/ Stephen B. Horsley / 1973

Coverage: Allelopathy, allelochemicals, competition

Worldwide

Articles on the phenomenon of allelopathy, the biochemicals producing inhibition, methods of isolation and identification, physiological and ecological effects of the allelochemicals.

1000 citations

100 citations per year

Base format: Bibliographic citations, keywords, reprints

Retr. format: Photocopy or letter/ 1 week; or verbal--by telephone or in person at site of data base

Retr. element: Author and title, or summary of information needed

Contact: Stephen B. Horsley
Northeastern Forest Exp. St.
P.O. Box 928
Warren, PA 16365
(814) 563-7587
FTS (8) 722-3311

Availability: Forest Service, faculty, graduate students, and others/ free

4 ARMILLARIA ROOT ROT/ Charles G. Shaw, III / 1970

Coverage: Epidemiology, ecology, pathogenicity, control, taxonomy
Worldwide
Forestry oriented, but contains control and taxonomy references to horticulture; information on the serious and worldwide diseases of forest trees in both natural forests and plantations.
1000 citations
30 to 50 citations per year

Base format: Bibliographic citations, keywords, abstracts, translations

Retr. format: Photocopy or letter/ 2 weeks; or verbal--in person at site of data base

Retr. element: Author only, or title only

Contact: Charles G. Shaw, III
Pacific Northwest Forest and Range Exp. St.
P.O. Box 909
Juneau, AK 99801
(907) 586-7301
FTS (8) 399-0150

Availability: Forest Service, faculty, graduate students, and others/ free, postage for large orders

5 ASPEN-INTERMOUNTAIN WEST/ Roy Harniss / 1978

Coverage: Ecology, physiology, management, modeling
North America
1000 citations
75 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Washington State University Computer Center
Compatible with: AMDAHL (IBM 360)

Retr. element: Author only, or author and title

Contact: Elizabeth Close or Roy Harniss
Intermountain Forest and Range Exp. St.
507 25th Street
Ogden, UT 84401
(801) 399-3370 or 752-1311

FTS (8) 586-3370 or 3270

Availability: Forest Service/ free

6 BACKCOUNTRY PROGRAM-DURHAM LABORATORY/ Raymond Leonard / 1973

Coverage: Recreation management, composting sewage, wilderness, planning
North America
Subjects include backcountry facilities, remote forest resources, recreation management approaches, sociological research on backcountry and wilderness users and composting/ sewage research papers.
2200 citations
100 citations per year

Base format: Author and title references, bibliographic citations

Retr. format: Letter/ 2 weeks; or verbal--by telephone

Retr. element: Author only, or keywords

Contact: Raymond Leonard
Northeastern Forest Exp. St.
Concord-Mast Road
P.O. Box 640
Durham, NH 03824
(603) 868-5576 or 9697
FTS (8) 834-0797 or 0798

Availability: Forest Service, faculty, graduate students, and others/ free

7 BIBLIOGRAPHY--FOREST LAND OWNER STUDIES/ Eugene M. Carpenter / 1977

Coverage: Absentee ownership, forest ownership, small and private ownership, nonindustrial ownership, forest practices
Worldwide
Contains abstracts of small, private, nonindustrial forest and woodland ownership studies documenting owner characteristics, behavior toward forest management and management incentive programs, ownership patterns and trends, marketing and economic problems, taxation, impact on wood supply and

related subjects.

425 citations

[No record or history of citations added per year]

Base format: Bibliographic citations, abstracts

Retr. format: Letter/ 1 week

Retr. element: Keywords, or author and title

Contact: Project Leader
North Central Forest Exp. St.
2215 East 5th Street
Duluth, MN 55812
(218) 724-1046
FTS (8) 783-9314

Availability: Forest Service, faculty, graduate students, and others/ free

8 BIOLOGICAL EFFECTS OF AIR POLLUTANTS ON PLANTS, ANIMALS AND MICROORGANISMS/ U.S. Environmental Protection Agency / 1950

Coverage: Air pollution, trees, effects (growth, yield, symptoms), pollutant-pathogen interactions
Worldwide

Oriented toward biological effects of air pollutants (including heavy metals) on the terrestrial ecosystem. Includes articles on heavy metals-aerial and root absorption by plants. Excludes articles dealing with pesticides.

15000 citations

2500 citations per year

Base format: Bibliographic citations, keywords, reprints, translations

Retr. format: Photocopy or microform/ 1 week

Retr. element: Summary of information needed

Contact: Clyde R. Bogle
W.J. Kerr Library
Oregon State University
Corvallis, OR 97331
(503) 754-2840

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

9 BIOLOGY AND CONTROL OF *ATTAL* John C. Moser / 1958

Coverage: Leafcutting ants, ant, *Atta*
Western Hemisphere

Biology, ecology, and control of leafcutting ants (*Atta*). Primary emphasis is on the town ant, *Atta exima* (Buckley), also some coverage of fungus-growing ant tribe (*Atini*).

1000 citations

50 citations per year

Base format: Author and title references

Retr. format: Letter/ 1 week; or verbal-by telephone

Retr. element: Author and title

Contact: John C. Moser
Southern Forest Exp. St.
2500 Shreveport Highway
Pineville, LA 71360
(318) 445-6511 (ext.) 358
FTS (8) 497-3358

Availability: Forest Service, faculty, graduate students, and anyone interested/ free

10 BOREAL PLANT ECOLOGY/ Leslie A. Vierck / 1973

Coverage: Fire effects, taiga, vegetation types, ecology

Circumboreal

Contains a wide range of entries, special interest in tundra and taiga ecology, especially in fire effects, permafrost, vegetation classification, nutrient cycles, and plant succession.

1000 citations

100 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Univ. of Alaska Comput. Cent.
Compatible with: Honeywell H.I.S. 66/20

Retr. element: Keywords (personal index for keywords is available)

Contact: Leslie A. Viereck
Pacific Northwest Forest and Range
Exp. St.
Fairbanks, AK 99701
(907) 479-7313
FTS (8) 399-0150

Availability: Forest Service/ computer costs

11 BREEDING NUT PRODUCING SPECIES: JUGLANS AND CARYA/ David Funk / 1965

Coverage: Genetics, walnut, hickory, pecan
Worldwide
Includes references dealing with
biochemistry, morphology, phenol-
ogy, physiology, flowering, seed
orchards, propagation, nursery prac-
tice, and plantation culture.
800 citations
25 citations per year

Base format: Bibliographic citations, keywords,
abstracts

Retr. format: Photocopy / 1 week (A complete file
of 790 references, published by
IUFRO Working Party S2.03.06, with
subject index, is available for \$20
copy charge.)

Retr. element: Author only, or title only, or author
and title, or summary of information
needed

Contact: Martha K. Dillow
North Central Forest Exp. St.
Southern Illinois University
Carbondale, IL 62901
(618) 453-2318
FTS (8) 955-4200

Availability: Forest Service, faculty, graduate stu-
dents/ reproduction costs plus postage

12 CAMPING MARKET SURVEYS/ Wilbur F. LaPage / 1970

Coverage: Camping Market Surveys
North America
Includes nearly 300 copies of pub-
lished and unpublished surveys and
observational surveys of campers con-
ducted between 1936 and 1973. The
majority are American and Canadian.

Surveys are organized into five
categories: national, regional, local,
readership, and miscellaneous.
280 citations
10 citations per year

Base format: Author and title references, biblio-
graphic citations, annotations, reprints

Retr. format: Photocopy or letter/ 2 weeks; or
verbal-by telephone or in person at
site of data base

Retr. element: Author and title

Contact: Wilbur LaPage
Northeastern Forest Exp. St.
P.O. Box 640
Durham, NH 03824
(603) 868-5576
FTS (8) 834-0797 or 0798

Availability: Forest Service, faculty/ free

13 CATALOG OF VIRAL DISEASES OF INSECTS (IVC)/ Mauro E. Martignoni / 1960

Coverage: Insect diseases, insect pathology,
insect viruses
Worldwide
IVCR is a rigorously structured
worldwide catalog of the literature on
viral diseases of insects and mites.
The catalog contains names of host
species, genera, and families; names
of viral diseases (viruses pathogenic
for insects and mites); and subject
matter keywords.
3150 citations
400 citations per year

Base format: Bibliographic citations, host species,
genus, family, name of viral disease,
subject areas

Retr. format: Computer printout, photocopy or
letter/ 2 weeks
System used: FAMULUS
Computer center: Bonneville Power
Adm., Portland
Compatible with: CDC 6500

Contact: Mauro E. Martignoni
Pacific Northwest Forest and Range
Exp. St.
3200 Jefferson Way
Corvallis, OR 97331
(503) 757-4328
FTS (8) 420-4328

Availability: Forest Service, faculty, graduate students in insect virology/ reproduction costs plus postage

14 CHRISTMAS TREES/ Jean W. Nolley / 1930

Coverage: Production management, business management, silviculture, marketing
North America
Comprehensive bibliography dealing with all phases of the Christmas tree business. Emphasis on production and marketing.
1500 citations
80 to 100 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Photocopy or computer printout/2 weeks
System used: FAMULUS
Computer center: Virginia Polytech. Inst. and State Univ., Blacksburg
Compatible with: IBM 370

Retr. element: Author and title or keywords

Contact: Jean W. Nolley
Northeastern Forest Exp. St.
P.O. Box 152
Princeton, WV 24740
(304) 425-8106
FTS (8) 924-4553

Availability: Forest Service, faculty, graduate students, and Christmas tree growers/ free

15 CONE AND SEED INSECTS/ E.P. Merkel / 1956

Coverage: Insects, cones, seeds, seed orchards, conifers
North America
Contains identification, impact evaluation, biology and control of insects destructive to flowers, cones, and seeds of North American coniferous trees.
800 citations
10 to 20 citations per year

Base format: Author and title references, bibliographic citations

Retr. format: Photocopy / 1 month

Retr. element: Bibliographic citations

Contact: Edward P. Merkel
Southeastern Forest Exp. St.
P.O. Box 70
Olustee, FL 32072
(904) 752-0331
FTS (8) 946-2846

Availability: Forest Service, faculty, graduate students/ free

16 CRONARTIUM RIBICOLA/ Ray Hoff / 1969

Coverage: *Cronartium ribicola*, white pine blister rust

Worldwide

Includes published and unpublished information on white pine blister rust covering its discovery in Europe and introduction to North America; laws, efforts to stop the infections, and also research knowledge gained.

2200 citations

20 citations per year

Base format: Bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 1 week
System used: FAMULUS
Computer center: Washington State Univ. Comput. Cent.
Compatible with: IBM 370

Retr. element: Author and title, or keywords

Contact: Ray Hoff
Intermountain Forest and Range Exp. St.
1221 South Main Street
Moscow, ID 83843
(208) 882-3557
FTS (8) 554-1111

Availability: Forest Service, faculty, graduate students, corporation personnel, and other public agencies, for example, State of Idaho, BLM, and others/ free (Reprints on file at Forestry Sciences Lab., Moscow, Idaho.)

17 DRYING SCHEDULES FOR TROPICAL WOODS/ John McMillen / 1950

Coverage: Kiln schedules, tropical woods
Worldwide
Describes drying characteristics and recommended kiln schedules of many tropical species.
500 citations
10 citations per year

Base format: Summaries of data

Retr. format: Letter/2 weeks; or verbal--by telephone

Retr. element: Keywords plus species

Contact: William Simpson
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 362-2284

Availability: Forest Service, faculty, graduate students, and industry/ free

18 ECOLOGY AND SILVICULTURE OF NORTHERN HARDWOODS/ Fred T. Metzger / 1966

Coverage: Northern hardwoods, silviculture, regeneration, ecology
Northeastern States
Primarily concerned with ecology and ecological relationships to moisture, nutrients, and soils; regeneration practices, general silviculture and forest influences of northern hardwood and related forest types.
3500 citations
100 citations per year

Base format: Bibliographic citations, subject matter converted to Oxford Forestry Classification

Retr. format: Verbal--in person at site of data base

Retr. element: Summary of information needed

Contact: Fred T. Metzger
North Central Forest Exp. St.
806 Wright Street
Marquette, MI 49855
(906) 225-1323
FTS (8) 226-6000

Availability: Forest Service, faculty, graduate students, and others/ free

19 ECONOMICS OF SURFACE MINE RECLAMATION/ Bill Plass / 1940

Coverage: Surface coal mining, mining reclamation economics, ecological rehabilitation economics
North America
Comprehensive listing of publications dealing only with the economic aspects of surface coal mining reclamation.
450 citations
100 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Photocopy / 1 week

Retr. element: Author and title

Contact: Jean W. Nolley
Northeastern Forest Exp. St.
P.O. Box 152
Princeton, WV 24740
(304) 425-8106
FTS (8) 924-4553

Availability: Forest Service, faculty/ free

20 ENVIRONMENTAL PLANNING/ Arthur W. Magill / 1957

Coverage: Outdoor recreation, ecology, environmental psychology, sociology, urban forestry, esthetics
North America
Primarily oriented toward outdoor recreation; chronologically reflects the originator's changing emphasis from ecological problems to the complex interrelationships between sociology, environmental psychology, esthetics, and planning in relation to wildlands, and finally, urban forestry.
2700 citations
150 citations per year

Base format: Bibliographic citations, keywords, abstracts, reprints

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Lawrence Berkeley Laboratory
Compatible with: CDC 6000-7000

Retr. element: Author only, or title only, or author and title, or keywords

Contact: Librarian
Pacific Southwest Forest and Range Exp. St.
P.O. Box 245
Berkeley, CA 94701
(415) 486-3685
FTS (8) 449-3685

Availability: Forest Service, faculty, graduate students, and BLM, NPS, BOR, faculty and graduate students concerned with urban forestry, landscape architecture, environmental planning, psychology and sociology/ free

21 **FIBER AND PAPER PHYSICS/** Vance C. Setterholm / 1950

Coverage: Bonding, pulp properties, pulping, water sorption
Worldwide
Data is related to all phases of fiber and paper physics research with special emphasis on stress strain investigations.
1400 citations
50 citations per year

Base format: Reprints

Retr. format: Letter/ 2 weeks; or verbal--by telephone or in person at site of data base

Retr. element: Keywords [Use: Subject List particular to this data base, provided upon request.]

Contact: Vance Setterholm
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 344
FTS (8) 364-2344

Availability: Forest Service, faculty, graduate students/ free

22 **FIRE/** Dale Wade / 1965

Coverage: Fire, fire management, fire behavior, fire ecology, forest fuels
Worldwide
Oriented toward all aspects of fire
5000 to 6000 citations
500 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, annotations, reprints, translations

Retr. format: Photocopy or letter/ 2 weeks; or verbal--by telephone or in person at site of data base

Retr. element: Author only, or author and title, or keywords

Contact: Dale Wade
Southern Forest Exp. St.
P.O. Box 938
Lehigh Acres, FL 33936
(813) 334-4579
FTS (8) 946-2011

Availability: Forest Service, faculty, graduate students, and others/ free

23 **FIREBASE/** Alan R. Taylor / 1974

Coverage: Forest fire, rangeland fires, prescribed fire, smoke, fire detection, fire suppression
Worldwide
Oriented toward all aspects of wild-land fire, its management, use, control and research.
5000 citations
1500 citations per year

Base format: Bibliographic citations, keywords, abstracts, annotations, summaries of data, reprints, translations, references to published reports and nonprint media

Retr. format: Computer printouts, photocopy / 3 days; or verbal--by telephone

Retr. element: Summary of information needed

Contact: Ms. Karen L. Eckels
Boise Interagency Fire Center
3905 Vista Avenue
Boise, ID 83705
(208) 384-9457

FTS (8) 554-9457

Availability: Forest Service, faculty, graduate students, and others/ free

24 FIRE METEOROLOGY RESEARCH LIBRARY/
Robert S. Helfman / 1971

Coverage: Meteorology, weather, climate, topometeorology
North America
Collection of reports emphasizing topo scale and fire meteorology.
1425 citations
15 to 50 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, reprints

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Univ. Calif. Riverside Comput. Cent.
Compatible with: IBM 360/50

Retr. element: Author and title, or keywords

Contact: Robert S. Helfman
Pacific Southwest Forest and Range Exp. St.
P.O. Box 5007
Riverside, CA 92517
(714) 787-1572
FTS (8) 796-1572

Availability: Forest Service, faculty/ computer charges

25 FIRS/ George M. Hansen / 1970

Coverage: Forestry bibliography, forestry research
Pacific Northwest
Includes technical and nontechnical publications reporting on the Station's research on economics, forest engineering systems, forest and watershed management, insects and their control, pathology, range and wildlife habitat, recreation, regeneration, residues, resources inventories, and timber quality and yield potential.
1300 citations

250 citations per year

Base format: Bibliographic citations, keywords, abstracts, annotations

Retr. format: Computer printout/ 1 week
System used: FAMULUS
Computer center: Bonneville Power Adm., Portland
Compatible with: CDC 6400

Retr. element: Author only, or title only, or author and title, or keywords

Contact: Kay Sommerfeld
Pacific Northwest Forest and Range Exp. St.
P.O. Box 3141
Portland, OR 97208
(503) 234-3361 (ext.) 4925
FTS (8) 429-4925

Availability: Forest Service, faculty, graduate students, and others/ free

26 FOLIAGE AND TWIG DISEASES OF CONIFERS/ Glenn W. Peterson / 1960

Coverage: Brown spot, *DIPLODIA PINEA* twig and pine needle blight, western gall rust, *DOTHISTROMA NEEDLE BLIGHT*
Worldwide
Contains bibliographies on several shoot and foliage diseases. They contain worldwide literature on the diseases. These bibliographies have been sent to selected U.S. and foreign scientists periodically for additions and corrections, as well as for information.

830 citations

10 citations per year

Base format: Bibliographic citations

Retr. format: Photocopy / 1 week

Retr. element: Keywords, summary of information needed

Contact: Glenn W. Peterson
Rocky Mountain Forest and Range Exp. St.
East Campus, University of Nebraska Lincoln, NB 68583
(402) 467-3556
FTS (8) 867-5211

Availability: Forest Service, faculty, graduate students in fields related to forestry and forestry related products/ free

27 FOREST DISEASE RESEARCH/ E.P. Mienieke / 1911

Coverage: Forest pathology, plant pathology, mycology
Worldwide

Oriented toward plant disease, physiology, mycology; reflecting changing emphasis on disease research and control applications.

7925 citations

1000 citations per year

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Letter/ 1 month; or verbal-by telephone or in person at site of data base

Retr. element: Author and title, or keywords

Contact: Robert V. Bega
Pacific Southwest Forest and Range Exp. St.
P.O. Box 245
Berkeley, CA 94701
(415) 486-3155
FTS (8) 449-3155

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

28 FOREST ECOSYSTEMS/ R.D. Pfister / 1960

Coverage: Silviculture, ecology, ecosystems, land classification

North America

Primarily oriented toward silviculture and synecology.

3000 citations

200 citations per year

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Letter/ 1 week

Retr. element: Author and title, or summary of information needed

Contact: R.D. Pfister
Intermountain Forest and Range Exp. St.
Drawer G University of Montana Campus
Missoula, MT 59801
(406) 329-3533
FTS (8) 585-3533

Availability: Forest Service, faculty, graduate students/ reproduction costs plus postage, \$5 per hour for technicians' retrieval time.

29 FOREST ENGINEERING/ R.B. Gardner / 1964

Coverage: Forest transportation, logging systems, slope stability, erosion

Worldwide

Relates to all phases of forest engineering, including road design, logging equipment and methods, logging systems analysis; using operations research techniques and industrial engineering techniques.

1500 citations

100 citations per year

Base format: Author and title references, bibliographic citations, keywords

Retr. format: Photocopy or letter/ 2 weeks; or verbal-by telephone or in person at site of data base

Retr. element: Keywords

Contact: R.B. Gardner
Intermountain Forest and Range Exp. St.
P.O. Box 1376
Bozeman, MT 59715
(406) 994-4852
FTS (8) 585-4242

Availability: Forest Service, faculty/ free

30 FOREST FERTILIZATION/ Luther Auchmoody / 1965

Coverage: Forest fertilization, foliar analysis, fertilizers
North America
Contains original reports dating from the early 1930's dealing with forest response and foliar nutrient levels, particularly in hardwood forests.
400 citations
50 citations per year

Base format: Bibliographic citations, keywords, reprints, authors

Retr. format: Photocopy or letter/ 1 week; or verbal--by telephone or in person at site of data base

Retr. element: Author and title, or summary of information needed

Contact: Luther Auchmoody
Northeastern Forest Exp. St.
P.O. Box 928
Warren, PA 16315
(814) 563-7587
FTS (8) 722-3311

Availability: Forest Service, faculty, graduate students, and others/ free

31 FOREST FIRE/ Stephen Sackett / 1958

Coverage: Forest fuels, fire effects, prescribed burning
Worldwide
Includes fire bibliography; primarily prescribed fire and all aspects of forest fuels.
2000 citations
75 citations per year

Base format: Author and title, bibliographic citations, reprints (Reprints are to be used at Forestry Sciences Lab., ASU campus.)

Retr. format: Photocopy [photocopies of bibliographic cards sent upon request]/ 1 month

Retr. element: Author only, or keywords

Contact: Stephen Sackett
Rocky Mountain Forest and Range Exp. St.
Arizona State University Campus
Tempe, AZ 85281
(602) 261-4365

FTS (8) 261-4365

Availability: Forest Service, faculty, graduate students/ free

32 FOREST FIRE RESEARCH/ John H. Dieterich / 1952

Coverage: Fire damage, fire suppression, fire physics, fire danger rating, prescribed burning, fuels, fire effects

Worldwide

Collection of reference material related to the prevention and suppression of forest fires and the use of fire as a management tool. Reflects the originator's changing responsibilities over the years, including fire control research, prescribed burning research, and fuels management research.

3000 citations

150 citations per year

Base format: Reprints

Retr. format: Verbal--by telephone [preferably], or in person at site of data base

Retr. element: Author and title, or keywords

Contact: John H. Dieterich
Rocky Mountain Forest and Range Exp. St.
Arizona State University
Tempe, AZ 85281
(602) 261-4365
FTS (8) 261-4365

Availability: Forest Service, faculty, graduate students/ free

33 FOREST FIRE RETARDANT CHEMICALS AND EQUIPMENT/ Charles W. George / 1964

Coverage: Fire retardant effectiveness and treatment, chemicals, suppression, air-tankers

Worldwide, primarily North America

Includes publications dealing with effectiveness of chemicals in altering pyrolysis and combustion formulations, additives, corrosion characteristics; mixing, handling and delivery systems; aerial delivery systems and retardant rheology.

1200 citations
50 to 100 citations per year

- Base format:** Author and title references, bibliographic citations, keywords, abstracts
- Retr. format:** Computer printout or photocopy / 2 weeks
System used: FAMULUS
Computer center: Lawrence Berkeley Laboratory
Compatible with: CDC 7600
- Retr. element:** Author and title, or keywords, or summary of information needed
- Contact:** Charles W. George
Intermountain Forest and Range Exp. St.
Drawer G University of Montana
Campus
Missoula, MT 59806
(406) 329-3478
FTS (8) 585-3478
- Availability:** Forest Service, user groups from any agency/ free, unless one presents an unusually time-consuming request.

34 FOREST GENETICS/ Timothy LaFarge / 1965

- Coverage:** Forest genetics, tree improvement
Worldwide, primarily North America
A card file containing literature from all over the world concerning forest genetics.
About 4000 citations
[No longer adding citations to file]
- Base format:** Author and title references, some abstracts
- Retr. format:** Verbal--in person at site of data base
- Retr. element:** Author only, or title only, or subject area reference
- Contact:** Timothy LaFarge
Southern Forest Exp. St.
P.O. Box 5106
Macon, GA 31208
(912) 742-6347
FTS (8) 242-3110
- Availability:** Forest Service, faculty, graduate students, and others/ free

35 FOREST GENETICS AND BREEDING/ John F. Kraus / 1956

- Coverage:** Genetics, breeding, botany, biometry, pine
North America
Primarily concerned with genetics and breeding of *Pinus* with most emphasis on the southern pine.
2400 citations
100 citations per year
- Base format:** Bibliographic citations
- Retr. format:** Photocopy or letter/ 2 weeks
- Retr. element:** Author only
- Contact:** John F. Kraus
Southeastern Forest Exp. St.
P.O. Box 5106
Macon, GA 31208
(912) 742-6347
FTS (8) 238-0381
- Availability:** Forest Service, faculty, graduate students/ free

36 FOREST GENETICS AND PHYSIOLOGY/ Institute of Forest Genetics Scientific Staff / 1934

- Coverage:** Genetics, maximum yield silviculture breeding, vegetative propagation
Worldwide
Data is in the form of reprint: authored by scientists from all parts of the world. Subjects relate to basic tree physiology, (metabolism, photosynthesis, photosynthate compact leaf area optimization), genetics, breeding, heritability, nutrient balance, and vegetative propagation.
3300 citations
800 citations per year
- Base format:** Author and title references, bibliographic citations, abstracts, reprints
- Retr. format:** Letter/ 1 month
- Retr. element:** Summary of information needed
- Contact:** David H. Dawson
North Central Forest Exp. St.
P.O. Box 898
Rhinelander, WI 54501
(715) 362-7474
FTS (8) 362-1012

Availability: Forest Service, faculty, graduate students, and others/ free

37 FOREST HYDROLOGY/ Robert R. Ziemet / 1970

Coverage: Soil water, forest hydrology, landslides, slope stability, streamflow
Worldwide

Oriented to the field of forest hydrology. Designed primarily to aid in retrieval of author's collection of about 2500 reprints, plus other bibliographic citations. Emphasis is on soil moisture, tree root distribution, radioactive tracers, erosion, slope stability, landslides, and streamflow.

3000 citations

300 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, reprints, translations

Retr. format: Computer printout/ 1-2 weeks
Computer center: Colorado State Univ. Comput. Cent., Fort Collins
Compatible with: UNIVAC 1100

Retr. element: Summary of information needed

Contact: Jim Clarke
Pacific Southwest Forest and Range Exp. St.
P.O. Box 245
Berkeley, CA 94701
(415) 486-3708
FTS (8) 449-3708

Availability: Forest Service, faculty, graduate students, and others/ free, within reason

38 FOREST HYDROMETEOROLOGY/ Lloyd W. Swift, Jr. / 1955

Coverage: Forest meteorology, forest climatology, forest hydrology, watershed management
North America

Personal file of keysort cards covering aspects of watershed management in humid areas with emphasis on meteorological effects.

2000 citations

100 citations per year

Base format: Bibliographic citations, annotations

Retr. format: Photocopy / 1 month

Retr. element: Author only, or title only, or keywords

Contact: Lloyd W. Swift, Jr.
Southeastern Forest Exp. St.
P.O. Box 601
Franklin, NC 28734
(704) 524-2128

Availability: Forest Service, faculty/ free

39 FOREST AND MILL LABOR/ Forestry Sciences Laboratory / 1970

Coverage: Labor force, wood industry labor, manpower

Worldwide

Includes U.S. and foreign literature on labor in the forestry and wood industries. Excludes professional workers. Includes labor supply, demand, mobility, productivity, wages, working conditions, training, injuries, disease, and others. Emphasis on North America and Northern Europe. Base from 1920 to present.

1500 citations

100 citations per year

Base format: Bibliographic citations, keywords, country, industry, language

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Virginia Polytech. Instit. and State Univ., Blacksburg
Compatible with: IBM 370-365

Retr. element: Keywords, or summary of information needed, or search routine such as used by AGRICOLA

Contact: Jean W. Nolley
Northeastern Forest Exp. St.
P.O. Box 152
Princeton, WV 24740
(304) 425-8106
FTS (8) 924-4553

Availability: Forest Service, faculty, graduate students, industry, and other specialties/ free

40 FOREST PRODUCTS LAB SIMULATION MODEL/ Henry Spelter / 1977

Coverage: Economics, price, demand, forecasting.
North America
Data base for the FPLSIM econometric model of the North American timber industries.
250 citations
50 or more citations per year

Base format: Data with code names

Retr. format: Computer printout/ 1 week
Computer center: Univ. of Wisc.-Madison Area Comput. Cent.
Compatible with: UNIVAC 1110

Retr. element: Keywords

Contact: Henry Spelter
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 364-2364

Availability: Forest Service/ reproduction costs plus postage

41 FORESTRY/ Edwin Hebb / 1948

Coverage: Forestry, silviculture, ecology, environment
North America
General file on miscellaneous forestry topics. Emphasis is on silviculture and ecology.
10000 citations
200 citations per year

Base format: Author and title references, bibliographic citations, summaries of data, annotations

Retr. format: Verbal--in person at site of data base

Retr. element: Summary of information needed

Contact: Edwin A. Hebb
Southeastern Forest Exp. St.
P.O. Box 900
Marianna, FL 32446
(904) 482-4951
FTS (8) 946-2011

Availability: Forest Service, faculty, graduate students, and others/ free, but unable to handle a large number of requests

42 FOREST SERVICE RESEARCH/ Leonard DeBano / (Date Unknown)

Coverage: Soils, hydrology, forest, research, management
Worldwide
Contains information in the areas of forestry, soils, and hydrology; also research and management in these fields.
3400 citations
300 citations per year

Base format: Bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Arizona State Univ. Comput. Serv.
Compatible with: UNIVAC 1110

Retr. element: Author only, or title only, or author and title, or keywords (Use Leonard DeBano as keyword source; FTS (8) 261-4365)

Contact: Bill Casner
Rocky Mountain Forest and Range Exp. St.
Arizona State University
Tempe, AZ 85281
(602) 261-4365
FTS (8) 261-4365

Availability: Forest Service, faculty, graduate students/ reproduction costs plus postage

43 FOREST SITE QUALITY EVALUATION IN U.S./ Willard H. Carmean / 1950

Coverage: Site index, species indicators, growth intercept, soil types, soil-site
North America
Includes site index, species site index comparisons, growth intercept, plant indicators, physiographic site classification, soil survey, and soil-site methods.
481 citations

30 citations per year

Base format: Bibliographic citations, reprints

Retr. format: Letter/ 2 weeks; *or* verbal-by telephone

Retr. element: Author and title

Contact: Willard H. Carmean
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55108
(612) 645-0841
FTS (8) 784-1228

Availability: Forest Service, faculty, graduate students/ free

44 FOREST SOILS AND HYDROLOGY/ G.O. Klock / 1968

Coverage: Forest soils, hydrology, erosion, nutrient cycling
Worldwide
Serves as a working tool developed by originator to assist him with research in the field of forest soils and hydrology where access to a technical library is limited.
1400 citations
150 citations per year

Base format: Author and title references, keywords, reprints

Retr. format: Photocopy / 2 weeks

Retr. element: Author and title

Contact: G.O. Klock
Pacific Northwest Forest and Range Exp. St.
1133 North Western Avenue
Wenatchee, WA 98801
(509) 662-4315
FTS (8) 390-0315

Availability: Forest Service, faculty, graduate students/ free

45 FOREST SOILS BIBLIOGRAPHY FOR NORTH CENTRAL REGION/ Willard H. Carmean / 1965

Coverage: Forest soils, site quality, tree nutrition, forest hydrology
North Central States
A bibliography that summarizes forest soils publications for the North Central region.
1093 citations
70 citations per year

Base format: Bibliographic citations, reprints

Retr. format: Letter/ 2 weeks; *or* verbal-by telephone

Retr. element: Author and title

Contact: Willard H. Carmean
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55108
(612) 645-0841
FTS (8) 784-0228

Availability: Forest Service, faculty, graduate students/ free

46 FOREST TAXATION/ William C. Siegel / 1975

Coverage: Forest taxation, income tax, capital gain, property tax, death tax, yield tax
North America
Collection of forest taxation literature published since 1950.
600 citations
40 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, annotations

Retr. format: Photocopy *or* letter/ 1 week; *or* verbal-by telephone

Retr. element: Author and title, *or* keywords

Contact: William C. Siegel
Southern Forest Exp. St.
701 Loyola Avenue
New Orleans, LA 70113
(504) 589-6652
FTS (8) 682-6652

Availability: Forest Service, faculty, graduate students, and others/ free

47 **FOREST WATER QUALITY/** Gordon Snyder / 1950

- Coverage:** Hydrology, water quality, snow, sediment, modeling
North America
Forest water quality management and topics related to nonpoint source pollution.
2000 citations
200 citations per year
- Base format:** Author and title references, bibliographic citations, reprints
- Retr. format:** Computer printout, photocopy / 2 weeks-1 month; or verbal- by telephone
- Retr. element:** Author only, or title only, or author and title, or keywords
- Contact:** Gordon Snyder
Intermountain Forest and Range Exp. St.
1221 South Main Street
Moscow, ID 83843
(208) 882-3557
FTS (8) 554-1111
- Availability:** Forest Service/ reproduction costs plus postage

48 **FOREST WATERSHED/** R.L. Frederiksen / 1960

- Coverage:** Forest hydrology, soil erosion, nutrient cycles, environmental quality
Worldwide
Oriented toward the processes that conserve essential materials for the forest and the time span that such processes operate. Also includes water quality, stream processes affecting or affected by particulate and dissolved materials from the forest.
1200 citations
50 to 100 citations per year
- Base format:** Bibliographic citations, abstracts
- Retr. format:** Verbal-in person at site of data base
- Retr. element:** Author only and subject
- Contact:** R.L. Frederiksen
Pacific Northwest Forest and Range Exp. St.
3200 Jefferson Way

Corvallis, OR 97331
(503) 757-4313
FTS (8) 420-4313

- Availability:** Forest Service, faculty, graduate students, and others/ free

49 **FOREST WILDLIFE HABITAT/** Staff RWU-1702 / 1967

- Coverage:** Forest-wildlife relations, squirrels, wild turkeys, forest-multiple use, plant cover
Eastern North America
Oriented toward management of all species of forest wildlife and their recreational use in central Appalachia. Emphasis on habitat relationships.
7000 citations
500 citations per year
- Base format:** Bibliographic citations
- Retr. format:** Verbal-in person at site of data base
- Retr. element:** Keywords
- Contact:** John Gill
Northeastern Forest Exp. St.
180 Canfield Street
Morgantown, WV 26505
(304) 599-7482
FTS (8) 923-7482
- Availability:** Forest Service, faculty, graduate students, and others/ free

50 **GENETIC VARIATION OF ARTEMISIA TRI-DENTATA, ATRIPLEX CANDESCENS, AND CHRYSOTHAMNUS NAUSEOSUS/** E.D. McArthur / 1973

- Coverage:** *Artemisia*, *Atriplex*, *Chrysothamnus*, genetics, variation
North America, with some extensions
The collection documents variation in these species complexes to help in studies in plant improvement.
170 citations
30 citations per year

Base format: Bibliographic citations, reprints

Retr. format: Photocopy / 2 weeks

Retr. element: Author and title

Contact: E.D. McArthur
Intermountain Forest and Range Exp.
St.
735 North 500 East
Provo, UT 84601
(801) 377-5717
FTS (8) 584-0218

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage for large requests

51 GLULAM/ Russell C. Moody / 1970

Coverage: Glulam, engineered timber, construction
Worldwide
Includes references on design and manufacture of glulam timber with an emphasis on strength properties.
1100 citations
30 citations per year

Base format: Author and title, bibliographic citations, keywords

Retr. format: Computer printout or photocopy / 2 weeks
System used: KWIC index
Computer center: Univ. Wisc.
Compatible with: Univac 1110

Retr. element: Keywords

Contact: Russell Moody
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 248
FTS (8) 364-2248

Availability: Forest Service, faculty, graduate students/ free

52 GREAT PLAINS FORESTRY/ Ralph A. Read / 1955

Coverage: Windbreaks, shelterbelts, afforestation
Worldwide
Deals mainly with selection, establishment, and culture of trees in non-forest environment (primarily agricultural lands) for the purposes of environment modification, reduction of wind movement, moisture conservation, crop and animal protection, human protection, and landscape enhancement.
1768 citations
40 citations per year

Base format: Bibliographic citations

Retr. format: Verbal--by telephone

Retr. element: Author and title

Contact: Ralph A. Read
Rocky Mountain Forest and Range Exp. St.
University of Nebraska
Lincoln, NE 68583
(402) 467-3556
FTS (8) 867-5211

Availability: Forest Service, faculty/ reproduction costs plus postage

53 GUDYSE/ B.H. Heede / 1960

Coverage: Gullies, gully plugs, fluvial geomorphology, stream gaging, sedimentation
Worldwide

Includes a personal file of published titles and abstracts from: Water Resources Research, Journal of the Hydraulics Division, ASCE Proceedings, Soil Science Society of America Journal, Zeitschrift für Geomorphologie, Journal of Hydrology, and the Geological Society of America Bulletin.

2500 citations
100 citations per year

Base format: Bibliographic citations, abstracts, reprints, translations

Retr. format: Verbal--in person at site of data base (Computer printout available by summer, 1979).

- Retr. element:** Author and title
- Contact:** Burchard H. Heede
Rocky Mountain Forest and Range
Exp. St.
Arizona State University
Tempe, AZ 85281
(602) 261-4365
FTS (8) 261-4365
- Availability:** Forest Service, faculty, graduate students in fields related to forestry or forest products/ reproduction costs plus postage
- 54 **HACKBERRY (CELTIS) GALLMAKERS/** John C. Moser / 1950
- Coverage:** Hackberry, celtis, gallmakers
Worldwide
Includes taxonomy, biology, and ecology of galls and gallmakers of *Celtis*.
200 citations
5 citations per year
- Base format:** Author and title references
- Retr. format:** Letter/ 1 week; or verbal-by telephone
- Retr. element:** Author and title
- Contact:** John C. Moser
Southern Forest Exp. St.
2500 Shreveport Highway
Pineville, LA 71360
(318) 445-6511
FTS (8) 497-3358
- Availability:** Forest Service, faculty, graduate students, and anyone interested/ free
- 55 **HARDWOOD SILVICULTURE/** David A. Marquis / 1956
- Coverage:** Forest ecology, silviculture, hardwoods, environmental factors
North America
Covers the topics listed above in *keywords*, primarily for the Northern hardwood and Allegheny hardwood forest types.
2000 citations
100 citations per year
- Base format:** Bibliographic citations, keywords, reprints
- Retr. format:** Photocopy or letter/ 1 week; or verbal-by telephone or in person at site of data base
- Retr. element:** Author and title, or summary of information needed
- Contact:** David A. Marquis
Northeastern Forest Exp. St.
P.O. Box 928
Warren, PA 16365
(814) 563-7587
FTS (8) 722-3311
- Availability:** Forest Service, faculty, graduate students, and others/ free
- 56 **INSECT BORERS OF LIVING HARDWOOD TREES/** J.D. Solomon / 1961
- Coverage:** *Cossidae*, *Sesiidae*, *Cerambycidae*, *Buprestidae*, other families
North America
Concerned primarily with borer species causing economic damage, but also includes many other species in commercially important hardwood trees as well as other woody plants.
1200 citations
100 citations per year
- Base format:** Author and title references, bibliographic citations
- Retr. format:** Verbal-in person at site of data base
- Retr. element:** Summary of information needed
- Contact:** J.D. Solomon
Southern Forest Exp. St.
P.O. Box 227
Stoneville, MS 38756
(601) 686-7218
FTS (8) 497-2404
- Availability:** Forest Service, faculty, graduate students, and others/ free
- 57 **INSECT PATHOLOGY-MICROBIAL CONTROL/** Staff NE-2202 / 1956

Coverage: Insect pathology, insect disease, NPV (nucleopolyhedrosis virus), CPV (cytoplasmic polyhedrosis virus), bacteria

Worldwide

Includes world literature on insect disease, principally forest insects; bibliography ranges from very basic to very technical. Contains much medical literature.

3500 citations

100 to 200 citations per year

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Letter/ 2 weeks

Retr. element: Author only, or title only, or author and title, or keywords

Contact: F.B. Lewis
Northeastern Forest Exp. St.
151 Stanford Street
Hamden, CT 06514
(203) 432-2028
FTS (8) 643-8028

Availability: Forest Service, faculty, and graduate students in fields related to forestry or forest products/ reproduction costs plus postage

58 LARCH CASEBEARER/ Robert E. Denton / 1957

Coverage: Larch casebearer, biological control, chemical control, forest insect ecology

Worldwide

Oriented toward scientific investigations pertaining to the larch casebearer.

200 citations

10 citations per year

Base format: Bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Wash. State Univ. Comput. Cent.
Compatible with: CDC 6400-6600, IBM 360, UNIVAC 1108

Retr. element: Author only, or title only, or author and title, or keywords

Contact: Malcom M. Furniss
Intermountain Forest and Range Exp. St.
1221 South Main Street
Moscow, ID 83843
(208) 882-3557
FTS (8) 554-1111

Availability: Forest Service, faculty, graduate students/ free

59 LIGHTNING EFFECTS IN FORESTS/ Alan R. Taylor / 1964

Coverage: Atmospheric physics, lightning fires, lightning-struck trees

Worldwide

Oriented toward effects of lightning in forest and shrubland ecosystems; includes physiological and structural effects; literature on lightning-caused fire.

1600 citations

25 citations per year

Base format: Bibliographic citations, annotations, reprints

Retr. format: Photocopy or letter/ 3 days; or verbal-by telephone

Retr. element: Author and title, or keywords, or summary of information needed

Contact: Alan R. Taylor
Intermountain Forest and Range Exp. St.
Drawer G University of Montana Campus
Missoula, MT 59806
(406) 329-3665
FTS (8) 585-3665

Availability: Forest Service, faculty, graduate students, and anyone interested/ free

60 LUMBER DRYING SCHEDULES/ John McMullen / 1940

Coverage: Kiln schedules, air drying

Worldwide

Principally a key to British and U.S.

kiln schedules by botanically separated or grouped species, most frequent or appropriate common names in U.S. Narrative on seasoning properties, most common problems, special problems (for example, resin exudation) and solutions.

1000 citations

5 citations per year

Base format: Bibliographic citations, abstracts, keywords, annotations, summaries of data

Retr. format: Letter/ 2 weeks

Retr. element: Supply botanical and common name of species; lumber thickness

Contact: William T. Simpson
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 362-2485

Availability: Forest Service, faculty, graduate students, and Industry/ free

61 MAPLE SYRUP DATA/ Lawrence D. Garrett / 1970

Coverage: Maple syrup, production costs, imports

North America

Includes a collection of statistics about the maple syrup products industry in the U.S. and Canada from 1860 to present.

100 citations

12 citations per year

Base format: Bibliographic citations, summaries of data

Retr. format: Photocopy / 2 weeks

Retr. element: Summary of information needed

Contact: Paul E. Sendak
Northeastern Forest Exp. St.
P.O. Box 968
Burlington, VT 05402
(802) 862-6501
FTS (8) 832-6283

Availability: Forest Service, faculty/ free

62 MINNESOTA RESOURCES EVALUATION/ RWU-4101 / 1978

Coverage: Resources, inventory, tree volume

Individual states

Includes individual plant and tree records from state surveys.

111000 citations

100000 citations per year

Base format: Basic inventory data; raw data

Retr. format: Computer printout/ 1 month
System used: SZK
Computer center: Univ. Minn. Comput. Cent.
Compatible with: Cyber 74

Retr. element: Summary of information needed

Contact: Jerold T. Hahn
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55106
(612) 645-0841
FTS (8) 784-0281

Availability: Forest Service, faculty, State Department of Natural Resources personnel, forest industry woodland managers/ reproduction costs plus postage

63 MISTLETOE LITERATURE OF THE WORLD/ F.G. Hawkyworth / 1960

Coverage: Mistletoe

Worldwide

Annotated list of the world's literature on mistletoe including historical as well as current information.

8500 citations

400 citations per year

Base format: Bibliographic citations, keywords, abstracts, annotations, translations, some newspaper articles and similar unserialized publications

Retr. format: Computer printout/ 1-2 weeks
System used: FAMULUS
Computer center: Colorado State Univ. Comput. Cent., Fort Collins

Compatible with: CDC 6600

Retr. element: Keywords (Use: MISTLETOE LITERATURE OF THE WORLD; A user's guide to a FAMULUS Retrieval System, General Technical Report RM-30, November, 1976)

Contact: R.F. Scharpf
Pacific Southwest Forest and Range
Exp. St.
P.O. Box 245
Berkeley, CA 94701
(415) 486-3156
FTS (8) 449-3156
AND

Contact: F.G. Hawksworth
Rocky Mountain Forest and Range
Exp. St.
240 West Prospect Street
Fort Collins, CO 80521
(303) 221-4390
FTS (8) 323-1246

Availability: Forest Service, faculty, graduate students, and others/ free

64 MITES ASSOCIATED WITH BARK BEETLES/ John C. Moser / 1962

Coverage: Mites, bark beetles, southern pine beetles
Worldwide

Concerned with mites associated with bark beetles, with emphasis on those associated with the southern pine beetle (*Dendroctonus frontalis*).

1000 citations

50 citations per year

Base format: Reprints

Retr. format: Letter/ 1 week; or verbal--by telephone

Retr. element: Author and title

Contact: John C. Moser
Southern Forest Exp. St.
2500 Shreveport Highway
Pineville, LA 71360
(318) 445-6511 (ext.) 358
FTS (8) 497-3358

Availability: Forest Service, faculty, graduate students, and anyone interested/ free

65 MONOTERPENES OF CONIFERS/ A.E. Squillace / 1958

Coverage: Essential oils, turpentine, monoterpenes
Worldwide

A bibliography of monoterpenes of conifers. Permits a computer printout of references for a specified species.

435 citations

10 to 20 citations per year

Base format: Bibliographic citations

Retr. format: Computer printout/ 2 weeks
System used: WANG disc retrieval
Computer center: Southern Forest
Exp. St. Comput. Cent., Olustee
Compatible with: IBM 360-370

Retr. element: Summary of information needed

Contact: A.E. Squillace or Betty Holiday
Southern Forest Exp. St.
P.O. Box 70
Olustee, FL 32072
(904) 752-0331
FTS (8) 946-2846

Availability: Forest Service, faculty, graduate students in forestry or forest products/ postage

66 MONTANA COOPERATIVE ELK-LOGGING STUDIES/ Eugene O. Allen / 1970

Coverage: Elk, logging, wildlife, land use
Worldwide

Primarily concerned with work done on elk and logging relationships. Other wildlife land use studies have been incorporated into the bibliography.

400 citations

50 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, summaries of data, reprints, unpublished reports

Retr. format: Computer printout/ 2 weeks
System used: Citation Handler #1
Documentation Program
Computer center: Montana State
Univ. Comput. Cent.
Compatible with: Xerox Sigma 7

Retr. element: Keywords (Use; keyword list particular to this bibliography), or summary of information needed

Contact: Terry N. Lomser
P.O. Box 5
Montana State University
Bozeman, MT 59715
(406) 994-3285

Availability: Forest Service, faculty, graduate students, and others/ cost of computer time and cost of printout

67 MORPHOLOGY OF WOOD/ Irving B. Sachs / 1958

Coverage: Cell types, pitting, cell wall chemical composition and organization, reaction wood, pathology wood

Worldwide

Includes a file of literature citations that lends to a critical exegesis of the historical and present state of the knowledge of wood.

5000 citations

300 citations per year

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Photocopy or letter/ 1 week; or verbal-by telephone or in person at site of data base

Retr. element: Author and title

Contact: Irving B. Sachs
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 249
FTS (8) 364-2249

Availability: Forest Service, faculty, graduate students/ free

68 NATIVE CALIFORNIA HARDWOODS/ Philip M. McDonald / 1966

Coverage: Hardwoods, forestry, ecology

Worldwide

Oriented toward most abundant and useful native California hardwoods. Uses range from wood products to

food for wildlife as well as providing esthetics, green fuel breaks, increased water yield and high incidence in urban forestry.

500 citations

20 citations per year

Base format: Author and title references, bibliographic citations

Retr. format: Letter/ 2 weeks; or verbal-by telephone

Retr. element: Author only, or title only

Contact: Philip M. McDonald
Pacific Southwest Forest and Range Exp. St.
2400 Washington Plaza
Redding, CA 96001
(916) 246-5347
FTS (8) 461-5347

Availability: Forest Service, faculty, graduate students, and others/ free

69 OAK WILT AND LIVE OAK DECLINE/ Bill McDonald / 1964

Coverage: Transmission, survey
North America

Limited to the oak wilt and live oak decline fungus (*Ceratocystis fagacearum*)

880 citations

10 citations per year

Base format: Author and title references, bibliographic citations, keywords

Retr. format: Photocopy / 2 weeks

Retr. element: Author and title

Contact: Forrest Lee Oliveria
Southern Forest Exp. St.
P.O. Box 227
Stoneville, MS 38776
(601) 686-7218
FTS (8) 497-2404

Availability: Forest Service/ free

70 OPERATIONS RESEARCH RELATED TO FIRE MANAGEMENT/ James B. Davis / 1965

Coverage: Modeling, assimilation, fires, fire planning
North America
Includes fire history and occurrence, studies on the transportation and travel time to fires, inventory on firefighting resources for a given forest, cooperating resources, and manning and dispatching resources.
400 citations
15 citations per year

Base format: Author and title references, bibliographic citations, abstracts

Retr. format: Letter/ 1 week, or verbal-by telephone or in person at site of data base

Retr. element: Author only, or title only, or summary of information needed

Contact: James B. Davis
P.O. Box 2417
Forest Service
Washington, D.C. 20013
(703) 235-8195
FTS (8) 235-8195

Availability: Forest Service, faculty, graduate students/ free

71 OPTICAL RETRIEVAL FOR FOREST GENETICS LITERATURE/ E. Bayne Snyder / 1955

Coverage: Genetics, breeding, pines
Southeastern States
Publications cross indexed as to species, reproductive biology, and artificial pollination procedures; selection and breeding methods and results; variation and inheritance among taxa; among populations and within populations; juvenile, mature and genotype-environment relationships; and progeny test methods and results.
10000 citations
500 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Verbal-in person at site of data base

Retr. element: Keywords (Use: list of 1600 keywords at site of data base)

Contact: E. Bayne Snyder
Southern Forest Exp. St.
P.O. Box 2008
Gulfport, MS 39503
(601) 864-3461
FTS (8) 499-2632

Availability: Forest Service, faculty, graduate students, and others/ free

72 OUTDOOR RECREATION RELATED LITERATURE/ Robert C. Lucas / 1960

Coverage: Wilderness, recreation, research
Primarily North America
Wide assortment of publications of last 20 years, generally relating to outdoor recreation.
1400 citations
70 citations per year

Base format: Author and title references, bibliographic citations, keywords

Retr. format: Verbal-in person at site of data base

Retr. element: Keywords, (Use: keyword source particular to this data base)

Contact: Robert C. Lucas
Intermountain Forest and Range Exp. St.
Drawer G University of Montana
Missoula, MT 59801
(406) 329-3533
FTS (8) 585-3533

Availability: Forest Service, faculty, and graduate students/ free

73 OUTSIDE STORAGE OF PULPWOOD CHIPS/ George J. Hajny / 1966

Coverage: Chip storage, chip degradation, tall oil loss, preservation
Worldwide
A collection of references in abstract form about all aspects of outside chip storage, such as methods of pile building, wood and by-product losses.

fire hazard, storage time, pulp yields and quality, and methods of control of pulp chip degradation.

425 citations

50 citations per year

Base format: Bibliographic citations, abstracts

Retr. format: Photocopy / 1 month

Retr. element: Summary of information needed

Contact: Edward L. Springer
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 364-2234

Availability: Forest Service, faculty, technical personnel in the pulp and paper industry/ free

74 OXFORD SYSTEM OF DECIMAL CLASSIFICATION FOR FORESTRY, FOREST HYDROLOGY, AND WATERSHED MANAGEMENT RESEARCH--RWU 1602/ S.J. Ursic / 1950

Coverage: Forest watershed management, hydrology, nonpoint source pollution, forest soils, erosion control
Worldwide

Covers all phases of forest hydrology and watershed management research, especially Southern coastal plain but also regions outside the south. Expanded particularly in the area of site factors.

8500 citations

300 citations per year

Base format: Bibliographic citations

Retr. format: Verbal--in person at site of data base

Retr. element: Author and title

Contact: Sarah S. Knight
Southern Forest Exp. St.
P.O. Box 947
Oxford, MS 38655
(601) 234-2744
FTS (8) 490-4211

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

75 PARTICLE BOARD/ Robert Geimer / 1973

Coverage: Particle board, reconstituted wood, physical properties, fabrication, test methods

Worldwide

Concerned with the design, fabrication, techniques, physical properties, testing, production statistics, characteristics, and uses of particle board and flakeboard made from a variety of material types.

1144 citations

150 citations per year

Base format: Bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Univ. of Wisc. Comput. Cent.
Compatible with: IBM 360-370

Retr. element: Author only, or title only, or keywords

Contact: Robert Geimer
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 364-2385

Availability: Forest Service, faculty, graduate students, and others/ cost dependent on size and number of requests

76 PHYSIOLOGY OF DROUGHT AND COLD RESISTANCE/ Johnson Parker / 1949

Coverage: Drought, cold, stress, sugars, phenols
Worldwide

Concerns effects of drought and cold on woody plants, including changes in sugars, phenols, and amino acids; natural causes of resistance to drought and cold in physical and chemical terms; and chromatographic techniques.

5300 citations

Approximately 100 citations per year

Base format: Bibliographic citations, abstracts, keywords

Retr. format: Photocopy / 1 week

Retr. element: Author only, or keywords, or author and title

Contact: Johnson Parker
Northeastern Forest Exp. St.
151 Sanford Street
Hamden, CT 06514
(203) 432-2011
FTS (8) 643-8011

Availability: Forest Service, faculty, graduate students/ free

77 *PINUS MONTICOLA*/ Ray J. Hoff / 1976

Coverage: Western white pine
Worldwide
Includes all published and unpublished information concerning *Pinus monticola*, western white pine
400 citations
150 citations per year

Base format: Bibliographic citations, abstracts, keywords

Retr. format: Computer printout, letter/ 1 week
System used: FAMULUS
Computer center: Wash. State Univ. Comput. Cent.
Compatible with: IBM 370

Retr. element: Author and title, or keywords

Contact: Ray Hoff or Jan Qualls
Intermountain Forest and Range Exp. St.
1221 South Main Street
Moscow, ID 83843
(208) 882-3557
FTS (8) 554-1111

Availability: Forest Service, faculty, graduate students, and all corporation personnel and other public agencies, for example, State of Idaho, Bureau of Land Management, and others/ free

78 *PLAIN*/ Northern Great Plains Resources Program / 1974

Coverage: Surface resources, mineral resources, atmospheric aspects, regional geology, water resources, socioeconomic and cultural aspects.

Northern Great Plains

PLAIN is tabular data from 13 volumes of Northern Great Plains Resources program study stored on 7- and 9- track magnetic tapes.

607 tables

No citations added, tables updated periodically

Base format: Summaries of data, tables of data

Retr. format: Computer printout/ 1 week
System used: FORTRAN IV
Computer center: Colorado State Univ. Comput. Cent., Fort Collins
Compatible with: UNIVAC 1108 with Exec. 8 operating system

Retr. element: A list of tables supplied via user's manual. (Use: Manual for Accessing *PLAIN* data by Steve Kleinschmidt, Colorado State University, 1976)

Contact: Program Manager, SEAM
Intermountain Forest and Range Exp. St.
145 Grand Avenue
Billings, MT 59101
(406) 657-6468
FTS (8) 585-6468

Availability: Forest Service, faculty, graduate students, and others/ free

79 *PUBLICATIONS LIST*/ Glen E. Brink / 1953

Coverage: List of publications
Rocky Mountains Region
Citations and annotations published by Rocky Mountain Station covering all areas of research. Also included are citations and annotations of the station scientists' journals, technical papers, etc.

1600 citations
120 citations per year

Base format: Author and title references, bibliographic citations, annotations

Retr. format: Computer printout/ 1 month
System used: NOS
Computer center: Colorado State Univ. Comput. Cent., Fort Collins

Compatible with: CDC Cyber 172

Retr. element: Author only, or author and title

Contact: Glen E. Brink
Rocky Mountain Forest and Range
Exp. St.
240 West Prospect Street
Fort Collins, CO 80521
(303) 221-4390
FTS (8) 323-1489

Availability: Forest Service/ computer charges

80 PULPWOOD PRODUCTION AND RECEIPTS/
Neal P. Kingsley / 1963

Coverage: Pulpwood, mill receipts, timber har-
vesting, primary productivity,
manufacturing residues

Northeastern States

Contains data about pulpwood chip
production from roundwood in 14
Northeastern states by counties and
species groups, pulpwood chip pro-
duction from plant residues, and pro-
duction of total tree chips.

27000 citations

1800 citations per year

Base format: Summaries of data

Retr. format: Photocopy or letter/ 2 weeks, or
verbal--by telephone

Retr. element: Keywords, (Use: Pulpwood Production
in the Northeast, [Northeastern
Forest Experiment Station, Resource
Bulletin NE-3 or NE-5])

Contact: James T. Bones
Northeastern Forest Exp. St.
370 Reed Road
Broomall, PA 19008
(215) 596-1645
FTS (8) 596-1645

Availability: Forest Service, faculty/ reproduction
costs plus postage

81 RANGE MANAGEMENT PUBLICATIONS
FILE/WILDLIFE MANAGEMENT SUBJECT
26W/ Range and Wildlife Management Staff Unit-
Region 2 / 1954

Coverage: Range management, wildlife manage-
ment
Worldwide

A staff unit file containing published
materials collected over the years and
catalogued by 38 Range management
and 83 Wildlife management
categories.

3383 citations

50 to 55 citations per year

Base format: Bibliographic citations, topical subject
categories

Retr. format: Verbal--in person at site of data base

Retr. element: Author and title

Contact: W.B. Gallaher
Rocky Mountain Forest and Range
Exp. St.
11177 West 8th Avenue
P.O. Box 25127
Lakewood, CO 80225
(303) 234-4011
FTS (8) 234-4011

Availability: Forest Service, faculty, graduate stu-
dents, and others/ reproduction costs
plus postage

82 RANGE MANAGEMENT RESEARCH/ Ray-
mond D. Ratliff / 1960

Coverage: Range management, grassland ecol-
ogy, meadows, range ecosystem
North America

Oriented toward various aspects of
range management research (includ-
ing fire, wildlife, recreation, lives-
tock) developed for personal use.

980 citations

50 citations per year

Base format: Author and title references

Retr. format: Verbal--in person at site of data base

Retr. element: Author and title

Contact: Raymond D. Ratliff
Pacific Southwest Forest and Range
Experiment Station
Federal Building
1130 "O" Street
Fresno, CA 93721
(209) 487-5194
FTS (8) 467-5194

Availability: Forest Service, faculty/ free

83 RANGE MANAGEMENT RESEARCH PROJECT LIBRARY/ Henry A. Pearson / 1945

Coverage: Range management, forest range, ecology, prescribed burning, livestock management, southern pines

Primarily Southeastern States

Contains early and current literature on forest grazing, range plants, range improvements, plant ecology and taxonomy and related pine forestry in the southern U.S., primarily longleaf-slash pine timber type.

3000 citations

75 citations per year

Base format: Author and title references, bibliographic citations

Retr. format: Photocopy or letter/ 1 week; or verbal--by telephone or in person at site of data base

Retr. element: Author and title

Contact: Voylene Gill
Southern Forest Exp. St.
2500 Shreveport Highway
Pineville, LA 71360
(318) 445-6511 (ext.) 373
FTS (8) 497-3373

Availability: Forest Service, faculty, graduate students/ free

84 RECREATION-DURHAM LABORATORY/ Wilbur LaPage / 1963

Coverage: Planning, management, economics, research

North America

Publications are categorized by activity and the keywords, that is, camping, management, visitor services; or skiing, economics, demand studies; or hiking, planning, trail construction. Publications are indexed on keysort cards with a cross-reference by author.

1000 citations

15 to 20 citations per year

Base format: Author and title references, bibliographic citations

Retr. format: Verbal--in person at site of data base

Retr. element: Author only, or keywords, (Use keyword source, particular to this data base; available at Durham Lab.)

Contact: H.E. Echelberger
Northeastern Forest Exp. St.
Concord-Mast Road
P.O. Box 640
Durham, NH 03824
(603) 868-5576 or 9697
FTS (8) 834-0797 or 0798

Availability: Forest Service, faculty, graduate students, and others/ free

85 REHABILITATION OF WESTERN WILDLANDS/ Stephen B. Monsen / 1961

Coverage: Revegetation, plant cover, vegetation establishment

Worldwide

Information is related to selection, propagation, and use of plant materials for wildland sites. Includes ecology of plant communities, seed and vegetative characteristics, the forage, watershed, and habitat usefulness of each species. Also, techniques and procedures useful in planting and propagating native and introduced grasses, broadleaf herbs and shrubs. Principal attention has been given to species endemic to the Western U.S.

1500 citations

150 to 250 citations per year

Base format: Author and title references, bibliographic citations, abstracts, summaries of data

Retr. format: Photocopy or letter/ 2 weeks-1 month

Retr. element: Author and title, or keywords

Contact: Stephen B. Monsen
Intermountain Forest and Range Exp. St.
316 East Myrtle Street
Boise, ID 83706
(208) 384-1457
FTS (8) 554-1457

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

86 REMOTE SENSING FOR RENEWABLE RESOURCE INVENTORY/ Richard S. Driscoll / 1965

Coverage: Remote sensing, resource information, resource analysis, stress analysis
Worldwide
Deals with experimental and operational remote sensing applications for resources inventories and evaluation.
1200 citations
100 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Colorado State Univ. Comput. Cent., Fort Collins
Compatible with: CDC Cyber 171/172

Retr. element: Author and title, or keywords

Contact: Richard S. Driscoll
Rocky Mountain Forest and Range Exp. St.
240 West Prospect Street
Fort Collins, CO 80521
(303) 221-4390
FTS (8) 323-1229

Availability: Forest Service, faculty, graduate students/ free

87 REMOTE SENSING REFERENCE COLLECTION/ Rangeland Inventory and Evaluation Program 1707 / 1969

Coverage: Remote sensing, aerial photographs, natural resources
Worldwide
Includes literature on remote sensing, ranging from technical reports to popular articles. Emphasis is on techniques, equipment, data analysis, and applications, especially concerning natural resource inventory.
1150 citations
100 citations per year

Base format: Bibliographic citations, keywords, reprints, federal reports

Retr. format: Computer printout/ 2 weeks; or verbal-in person at site of data base
System used: FAMULUS
Computer center: Colorado State Univ. Comput. Cent., Fort Collins
Compatible with: CYBER/CDC 6000

Retr. element: Author only, or title only, or keywords (Use: keyword list particular to this data base), or summary of information needed

Contact: Richard S. Driscoll
Rocky Mountain Forest and Range Exp. St.
240 West Prospect Street
Fort Collins, CO 80521
(303) 221-4390
FTS (8) 323-1264

Availability: Forest Service, faculty, graduate students, and others/ free

88 RESIN EXTRACTION FROM THE LIVING PINE/ Ralph W. Clements / 1943

Coverage: Oleoresin, flow patterns, flow measurement, techniques, chemical treatments
Worldwide
Includes recommended techniques, methods, and chemicals for resin production from conifers. Physiological reasoning for flow, effect on tree, tabulated yields by diameter classes, integration of resin, and timber production. Also an illustrated manual of techniques, treatments, tools and equipment, costs and returns.
2600 citations
50 citations per year

Base format: Bibliographic citations, abstracts, summaries of data, reprints, keywords, over 500 black-and-white photographs

Retr. format: Photocopy or letter/ 2 weeks; or verbal-in person at site of data base

Retr. element: Summary of information needed

Contact: Ralph W. Clements
Southeastern Forest Exp. St.
P.O. Box 70
Olustee, FL 32072
(904) 752-0331 or 0332

FTS (8) 946-2846 or 2847

Availability: Forest Service, faculty, graduate students, and scientists and technical people from foreign countries/ free

89 RESOURCES EVALUATION/ John Cosgrove / 1953

Coverage: Forest inventory, resource evaluation
North Central States

Includes forest survey publications published by the Lake States Forest Experiment Station and the North Central Forest Experiment Station since 1953. Publications report findings of forest inventories including forest area, timber volume, growth, mortality, timber production and consumption.

280 citations

15 citations per year

Base format: Bibliographic citations, keywords, abstracts

Retr. format: Computer printout/ 2 weeks
System used: TRIAL (Technique for Retrieving Information from Abstracts of Literature)
Computer center: Dep. Comput. Sci., Northwestern Univ., Evanston
Compatible with: IBM 709, IBM 360, CDC 3400, CDC 6000, CDC 6400

Retr. element: Author and title, or keywords, or summary of information needed

Contact: Pamela Jakes
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55175
(612) 645-0841 (ext.) 308
FTS (8) 784-0308

Availability: Forest Service, faculty, graduate students, state natural resource departments, planning agencies, and others/ free

90 RESOURCE EVALUATION REMOVALS PHASE/ James T. Bones / Date Unknown

Coverage: Pulpwood, timber, output, northeast, removal cuttings, resource management

Northeastern States

Contains periodic assessments of regional pulpwood and timber output based upon canvasses of the pulp mills and timber harvesting firms and state forestry organizations in the Northeast. Also contains data on total production and trends.

300000 citations

1500 citations per year

Base format: Bibliographic citations, keywords, abstracts, summaries of data

Retr. format: Photocopy or letter/ 1 week; or verbal-by telephone or in person at site of data base

Retr. element: Author and title, or keywords, or bibliographic citations

Contact: Robert L. Nevel, Jr.
Northeastern Forest Exp. St.
370 Reed Road
Broomall, PA 19026
(215) 596-1984
FTS (8) 596-1984

Availability: Forest Service, faculty, graduate students, and state foresters, pulp mills, sawmills, business analysts, commerce departments/ free

91 RIVER RECREATION/ David Lime / 1975

Coverage: Resource impact, classification, esthetics, management, research

Worldwide, primarily North America

River recreation is experiencing widespread growth and popularity and as a result has become a major area for planning, management, and research. More than 300 citations documenting various aspects of the river recreation resource are presented.

400 citations

25 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, annotations

Retr. format: Publication/ 1 month

Retr. element: Keywords (Use: publication, titled: Annotated Bibliography on River Recreation)

Contact: David Lime
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55108
(612) 645-0841
FTS (8) 784-0274

Availability: Forest Service, faculty, graduate students, and others/ free

92 SAGEBRUSH IN THE WESTERN UNITED STATES/ Roy Harniss / 1977

Coverage: Distribution, autecology, synecology, management
North America
Includes material from 1900 to 1978.
1250 citations
50 citations per year

Base format: Bibliographic citations, keywords

Retr. format: Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Washington State Univ. Comput. Cent.
Compatible with: IBM 360

Retr. element: Author only, or author and title

Contact: Elizabeth Close or Roy Harniss
Intermountain Forest and Range Exp. St.
507 25th Street
Opden, UT 84401
(801) 399-3370 or 752-1311
FTS (8) 586-3697

Availability: Forest Service, faculty, graduate students, and others, for example, BLM, SCS, NPS/ reproduction costs plus postage

93 SAGEBRUSH INSECT COMPLEX/ Charles Tiernan / 1975

Coverage: *Aristonotus* spp., shrubs, insects
North America
Concerned with the ecological effect

of insects associated with growth and reproduction of sagebrush, section *Tridentatae*, and methods of pest control.

60 citations

[New entries appear as frequently as possible]

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Letter/ 1 month

Retr. element: Author only, or title only, or author and title, or keywords

Contact: Charles Tiernan
Intermountain Forest and Range Exp. St.
735 North 500 East
Provo, UT 84601
(801) 377-5717
FTS (8) 584-0218

Availability: Forest Service, faculty, graduate students, and others/ free

94 SAND PINE-SANDHILLS REFORESTATION/ R.H. Brendemuehl / 1974

Coverage: Sand pine, sandhills, reforestation
Southeastern States
Limited to literature concerned with sandhill regions of Southeastern U.S., droughty soils, vegetation, reforestation, and management practices.
250 citations
20 citations per year

Base format: Bibliographic citations

Retr. format: Photocopy / 2 weeks

Retr. element: Author and title

Contact: R.H. Brendemuehl
Southeastern Forest Exp. St.
P.O. Box 900
Marianna, FL 32446
(904) 482-4051
FTS (8) 946-2011

Availability: Forest Service, faculty, graduate students in forestry or forest products/ reproduction costs plus postage

95 SEWAGE RECYCLING ON FORESTS/ Dean H. Urie / 1971

Coverage: Effluents, sludge, sewage, forests, water quality
Worldwide
Primarily covers forest and wildland uses of sewage and sewage treatment products as use on land affects water quality, plant growth, fate of nutrients and metals. Includes some microbiological references.
500 citations
100 citations per year

Base format: Author and title references, bibliographic citations, keywords, abstracts, annotations

Retr. format: Photocopy / 2 weeks

Retr. element: Author and title, or summary of information needed

Contact: Dean Urie
North Central Forest Exp. St.
1407 South Harrison Street
East Lansing, MI 48823
(517) 355-7740
FTS (8) 375-7740

Availability: Forest Service, faculty, graduate students/ reproduction costs plus postage

96 SILVICULTURE FAMULUS/ Robert E. Martin / 1975

Coverage: Silviculture, soil types, fire behavior, range, seeds
Worldwide
Covers many subjects related to fire and fuels, range, silviculture, soils and plant growth.
4500 citations
1000 citations per year

Base format: Author and title, bibliographic citations

Retr. format: Computer printout/ 2 months
System used: FAMULUS
Computer center: Bonneville Power Adm., Portland
Compatible with: CDC 6500

Retr. element: Keywords

Contact: Robert E. Martin
Pacific Northwest Forest and Range Exp. St.
1027 North West Trenton Avenue
Bend, OR 97701
(503) 382-6922
FTS (8) 422-6283

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage; also must send tape for duplication

97 SILVICULTURE OF CUMBERLAND PLATEAU AND HIGHLAND RIVER FORESTS/ Arnold Mignery / 1957

Coverage: Soils, artificial regeneration, growth and yield, site classification
Mid-south-Cumberland plateau and river
Reprints of articles; research papers on soils, regeneration and silviculture.
8000 citations
150 citations per year

Base format: Author and title references, keywords, abstracts, annotations, reprints

Retr. format: Verbal-in person at site of data base

Retr. element: Author only

Contact: Roger Best
Southern Forest Exp. St.
P.O. Box 1290
Sewanee, TN 37375
(615) 598-5854
FTS (8) 222-3011

Availability: Forest Service, faculty, graduate students/ free, depending on the size of request

98 SILVICULTURE OF FOREST MANAGEMENT/ Dale O. Hall / 1956

Coverage: Silviculture, forest management, forest economics, forest biomass, tree ecosystems
North America
Emphasizing plant ecology, artificial and natural regeneration, all-aged and

even-aged silvicultural systems, timber stand improvement regulation and economic rotations, stand phyto-mass and ecosystem modeling. Specialization is western silviculture, emphasizing ponderosa pine.

6000 citations
300 citations

Base format: Bibliographic citations, keywords, abstracts, annotations, reprints, translations

Retr. format: Computer printout or photocopy / 1-2 weeks
System used: FAMULUS
Computer center: Washington State Univ. Comput. Cent.
Compatible with: IBM 360-67

Retr. element: Author only, or keywords, (Use Oxford Decimal Classification System)

Contact: Dale O. Hall
Intermountain Forest and Range Exp. St.
316 Myrtle Street
Boise, ID 83706
(208) 384-1457
FTS (80) 554-1457

Availability: Forest Service, graduate students in forestry or forest products/ direct computer costs

99 SILVICULTURE, MOUNTAINS AND PLAINS, WESTERN U.S./ Charles E. Boldt / 1960

Coverage: Silviculture, ponderosa pine, northern plains
Western States
Primarily a collection of reprints and texts, relating to silviculture of conifers and deciduous trees in mountains and plains of the North Central United States.
3000 to 4000 citations
100 or more citations per year

Base format: Bibliographic citations, annotations, reprints

Retr. format: Verbal—in person at site of data base

Retr. element: Keywords, or summary of information needed

Contact: Charles Boldt
Rocky Mountain Forest and Range Exp. St.
South Dakota School of Mines and Technology
Rapid City, SD 57701
(605) 343-0811
FTS (80) 782-1451

Availability: Forest Service, faculty, graduate students, and others/ free

100 SOILS AND FOREST ECOSYSTEM MANAGEMENT, SOUTHWEST/ Ralph E. Campbell / 1960

Coverage: Ponderosa pine, fire effects, nutrient cycling, water quality
North America
File consists of reprints relating mostly to forest ecosystem management with a primary interest in soil. It is cross-referenced by author and subject keywords.
2000 citations
200 citations per year

Base format: Author and title references, bibliographic citations, reprints

Retr. format: Photocopy or letter/ 1 week; or verbal—by telephone or in person at site of data base

Retr. element: Author and title, or keywords

Contact: Ralph E. Campbell
Rocky Mountain Forest and Range Exp. St.
Northern Arizona University
Flagstaff, AZ 86001
(602) 779-3311 (ext.) 1521
FTS (80) 261-1521

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

101 SOUTHERN HARDWOODS REFERENCE FILE-RWU 1402/ R.A. Daniels / 1977

Coverage: Genetic variation, phenotypes, species, taxonomy
Southern North America-East of Central Texas

- Contains all known information on the genetics of southern hardwood tree species. Topics include phenology, natural variation, reproduction, progeny and provenance testing, taxonomy, and vegetative propagation.
- 150 citations
- 25 or more citations per year (but will soon be increasing at a greater rate)
- Base format:** Author and title references, bibliographic citations
- Retr. format:** Letter/ 2-3 weeks (will eventually become available on a computer printout)
- Contact:** R. A. Daniels
Southern Forest Exp. St.
P.O. Box 906
Starkville, MS 39759
(601) 323-8163
FTS (8) 490-4509
- Availability:** Forest Service, faculty/ postage costs

102 **TIMBER HARVESTING LITERATURE LIBRARY**/ Harry G. Gibson / 1965

- Coverage:** Logging, timber harvesting, loading, skidding, trucking, felling, logging costs
- Worldwide
- 15000 citations
- 400 citations per year
- Base format:** Author and title references, reprints
- Retr. format:** Letter/ 2 weeks, or verbal-by telephone or in person at site of data base
- Retr. element:** Keywords, or summary of information needed
- Contact:** Cleveland J. Biller
Northeastern Forest Exp. St.
180 Canfield Street
Morgantown, WV 26505
(304) 599-7483
FTS (8) 923-7483
- Availability:** Forest Service, faculty, graduate students, and others/ free

103 **TIMBER MANAGEMENT**/ RWU PSW-1201 / 1960

- Coverage:** Timber management, silviculture, nutrition, fuels management, plant physiology
- North America
- Oriented toward timber management research and problem assignments which include silvicultural systems, silvics, ecology, regeneration, competing vegetation, stocking, growth and yield, forest nutrition, and fuels management.
- 75000 citations
- 800 citations per year
- Base format:** Author and title references, bibliographic citations, keywords
- Retr. format:** Photocopy or letter/ 1 week; or verbal-by telephone or in person at site of data base
- Retr. element:** Author and title, or keywords, or summary of information needed
- Contact:** Douglass F. Roy
Pacific Southwest Forest and Range Exp. St.
2400 Washington Avenue
Redding, CA 96001
(916) 246-5455
FTS (8) 461-5455
- Availability:** Forest Service, faculty, graduate students, and others/ reproduction costs plus postage

104 **TREE HAZARD AND DISEASE**/ Lee A. Paine / 1951

- Coverage:** Hazards, safety standards, tree diseases, recreation sites, urban forestry
- Western Hemisphere
- Primarily concerned with tree hazards on managed sites, hazards to people and property in urban and non-urban areas. Evaluation of hazard, detection and evaluation of defects; control of hazards, and information on the setting of safety control standards and hazard standards.
- 5000 citations
- 200 to 300 citations per year

Base format: Bibliographic citations

Retr. format: Verbal—in person at site of data base

Retr. element: Keywords

Contact: Lee A. Paine
Pacific Southwest Forest and Range
Exp. St.
P.O. Box 245
Berkeley, CA 94701
(415) 486-3158
FTS (8) 449-3158

Availability: Strictly available to visitors on site/
free

105 **T-PATH (TREE PATHOLOGY)/** John G. Palmer / 1950

Coverage: Mycorrhizal fungi, wood deterioration,
fungus physiology
Worldwide
Reprints which specialize in wood-
decay fungi, litter fungi, fungus
pure-culture, emphasizing physiology
of Homobasidiomycetes in pure culture
and their ecological function in
nature.
11000 citations
100 citations per year

Base format: Reprints

Retr. format: Letter/ 1 month; or verbal—by telephone

Retr. element: Author and title, or summary of
information needed

Contact: John G. Palmer
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 407
FTS (8) 364-2407

Availability: Forest Service, faculty, graduate students
in forestry or forest products/
free

106 **TREE PHYSIOLOGY/** Richard E. Dickson /
1960-1962

Coverage: Wood formation, translocation, water
relations, mineral nutrition
Worldwide, primarily North America
Oriented toward translocation, photo-
synthesis, plant hormones and
other topics that affect growth,
development, and wood formation.
Peripheral areas are water relations
(particularly effects of flooding),
mineral nutrients of trees, and analytical
techniques.
6750 citations
200 to 300 citations per year

Base format: Bibliographic citations, keywords,
abstracts, annotations, reprints, published
reference bibliographies in
same fields

Retr. format: Photocopy / 2 weeks

Retr. element: Author only, or author and title, or
summary of information needed, or
author and title and date

Contact: Richard Dickson
North Central Forest Exp. St.
P.O. Box 898
Rhinelander, WI 54501
(715) 362-7474
FTS (8) 362-1012

Availability: Forest Service, faculty, graduate students/
reproduction costs plus postage

107 **TROPICAL FORESTRY/** Institute of Tropical
Forestry Library / 1940

Coverage: Puerto Rico, tropical forestry, tropical
silviculture, tropical timbers, tropical
ecology
Worldwide, primarily tropical areas
Collection is maintained to serve the
research scientists working at the
Institute. It is a research unit of the
Southern Forest Experiment Station
3000 or more citations
200 or more citations per year

Base format: Author and title references, reprints

Retr. format: Photocopy or letter/ 2 weeks; or
verbal—in person at site of data base

Retr. element: Author and title, or keywords, and
source of publication [some citations
are filed under geographical location]

Contact: JoAnne Feheley, Library Technician
Institute of Tropical Forestry
P.O. Box AQ
Rio Piedras, PR 00928
(809) 753-4335
FTS (8) 967-1221

Availability: Forest Service, faculty, graduate students, and Puerto Rico Governmental agencies/ reproduction costs plus postage

108 UNISORT/ William McCambridge / 1959

Coverage: Forest insects, bark beetle, mountain pine beetle, ecology
North America

Published material on bark beetles relating to life histories, habits, development in relation to food and temperature, natural control agents, attractants (pheromones), chemical control, and host protection.

400 citations

15 citations per year

Base format: Bibliographic citations, abstracts, summaries of data

Retr. format: Photocopy / 1 week

Retr. element: Summary of information needed

Contact: William F. McCambridge
Rocky Mountain Forest and Range Exp. St.
240 West Prospect Street
Fort Collins, CO 80521
(303) 221-4390
FTS (8) 323-1245

Availability: Forest Service, faculty, graduate students in fields related to forestry or forest products/ free

109 WATERSHED MANAGEMENT AND HYDROLOGY/ Walter F. Megahan / 1960

Coverage: Hydrology, watershed management, water quality, stream flow, sedimentation

Worldwide

Primarily material dealing with forest hydrology and the effects of land uses on the hydrologic function of forest

lands with emphasis on geology, land form, soils, vegetation, and climate with respect to erosion and sedimentation.

2500 citations

100 citations per year

Base format: Bibliographic citations, keywords, abstracts, reprints

Retr. format: Photocopy / 2 weeks

Retr. element: Summary of information needed

Contact: Walter F. Megahan
Intermountain Forest and Range Exp. St.
316 East Myrtle Street
(208) 384-1457
FTS (8) 554-1457

Availability: Forest Service, faculty, graduate students in forestry or forest products/ reproduction costs plus postage

110 WESTERN REFORESTATION/ William I. Stein / 1952

Coverage: Reforestation, artificial regeneration, natural regeneration

Worldwide (primarily for period of 1964-1975)

Contains titles filed by relatively broad subject matter headings only. The wider collection titles pertinent to any phase of reforestation in the western U.S. and Canada were listed annually and published. Reprints of published lists are available.

10000 citations

300 citations per year

Base format: Bibliographic citations, abstracts, annotations

Retr. format: Verbal--in person at site of data base

Retr. element: Summary of information needed

Contact: William I. Stein
Pacific Northwest Forest and Range Exp. St.
3200 Jefferson Way
Corvallis, OR 97331
(503) 757-4363
FTS (8) 420-4363

- Availability:** Forest Service, faculty, graduate students, and others/ free [Data base limited to those who are prepared to search it for themselves.]
- 383 citations**
(Unrecorded number of citations per year)
- Base format:** Bibliographic citations, abstracts, keywords
- Retr. format:** Computer printout/ 2 weeks
System used: FAMULUS
Computer center: Stephen F. Austin Univ. Comput. Cent.
Compatible with: Honeywell CP 5
- Retr. element:** Author and title, or keywords, or summary of information needed
- Contact:** Lowell K. Halls
Southern Forest Exp. St.
P.O. Box 7600
SFA station
Nacogdoches, TX 75962
(713) 569-7981
FTS (8) 749-1011
- Availability:** Forest Service, faculty, graduate students, and forest related industries/ free until cost of printouts becomes too great
- 111 WESTERN SPRUCE BUDWORM/** Dave Fellin / 1972-1973
- Coverage:** Western spruce budworm
Rocky Mountains West and Pacific Northwest
Basically represents an up-to-date bibliographic file on the genus *Chorionoma*, including ecologic, taxonomic, and some abstracted references.
1240 citations
20 to 25 citations per year
- Base format:** Author and title references, bibliographic citations, abstracts, keywords
- Retr. format:** Computer printout/ 1 week
System used: FAMULUS
Computer center: Washington State Univ. Comput. Cent.
Compatible with: IBM 360,370
- Retr. element:** Author only, or title only, or author and title, or keywords
- Contact:** Dave Fellin
Intermountain Forest and Range Exp. St.
Drawer G University of Montana Campus
Missoula, MT 59801
(406) 329-3535
FTS (8) 585-3535
- Availability:** Forest Service, faculty, graduate students, and others/ reproduction costs plus postage
- 113 WOOD ANATOMY RESEARCH/** J. Thomas Quirk / 1963
- Coverage:** Wood chemistry, cell structure (wall density and anatomical measurements), environmental effects
Worldwide
Primarily oriented toward environmental effects on wood cell anatomy, that is, irrigation, fertilization or other extrinsic factors that affect cell wall thickness, shape, or length.
3000 citations
30 to 50 citations per year
- Base format:** Bibliographic citations, abstracts, keywords, annotations
- Retr. format:** Photocopy or letter/ 2 weeks; or verbal-by telephone
- Retr. element:** Author and title, or keywords, or summary of information needed
- Contact:** J.T. Quirk
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211
FTS (8) 364-2294
- 112 WHITE-TAILED DEER-TIMBER MANAGEMENT COLLECTION/** RWL-SO-1751 / 1954
- Coverage:** Deer forage, deer habitat, deer nutrition, modeling, range, timber-stand improvement
Southern States
References covering white-tail deer habitat requirements, timber management in relation to deer habitat management.

Availability: Forest Service, faculty, graduate students, and others/ free

114 WOOD AND BARK EXTRACTIVES/ John W. Rowe / 1900

Coverage: Tannins, phenolic resins, naval stores, tall oil
Worldwide
Data includes information on the chemical structure, amounts, and significance of extraneous components found in wood and bark, and on the commercial significance of these components as well as their effects on the utilization of wood.
25000 citations
1000 citations per year

Base format: Bibliographic citations, abstracts, annotations

Retr. format: Letter/ 2 weeks; or verbal-by telephone or in person at site of data base

Retr. element: Keywords (species)

Contact: John W. Rowe
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 269
FTS (8) 364-2269

Availability: Forest Service, faculty, graduate students, and others/ free

115 WORKING TOOL FILE OF RWU-1105/ Scientists of RWU-1105 / 1950

Coverage: Soil science, hydrology, plant ecology, silviculture, forest mensuration
North America
Includes most topics in Oxford Decimal Classification categories, (1) Factors of the Environments, (2) Silviculture, and (3) Forest Mensuration. Also includes Increment, development and structure of stands, surveying and mapping.
5000 citations
200 citations per year

Base format: Bibliographic citations, reprints

Retr. format: Letter/ 2 weeks; or verbal-by telephone or in person at site of data base

Retr. element: Author and title, or keywords (Use: Oxford System of Decimal Classification for Forestry)

Contact: Project Leader, RWU-1105
Southern Forest Exp. St.
SPO Box 1290
Sewanee, TN 37375
(615) 598-5854
FTS (8) 222-3011

Availability: Forest Service, faculty, graduate students in forestry or forest products/ free

116 WORLD DIRECTORY OF FOREST PATHOLOGISTS AND ENTOMOLOGISTS/ IUFRO / 1974

Coverage: Forest pathologists, forest entomologists
Worldwide, except USSR and mainland China
Includes the interests of respondents by tree, pathogen, and insect genera, and by more than 100 subject matter categories. The first edition contains over 1300 names.
2000 citations
(New entries will appear in 1980)

Base format: Names and addresses arranged by subject

Retr. format: Computer printout/ 1-3 weeks
System used: 9-track 800 BPI
Computer center: Univ. Minn. Comput. Cent.
Compatible with: IBM 360

Retr. element: Author only, or subject matter interest codes particular to this directory

Contact: Harold O. Batzer
North Central Forest Exp. St.
1992 Folwell Avenue
St. Paul, MN 55108
(612) 646-0841
FTS (8) 784-0310

Availability: Forest Service, faculty, graduate students, and others/ reproduction costs plus postage. [Mailing labels are available at 4 cents each; programming time is approx. 15 minutes.]

117 **ZTRES (TREE EXTRACTIVES)/** Duane F. Zinkel / 1961

Coverage: Naval stores, tall oil, pine, resin acids, rosin

Worldwide

Information on the quantitative composition, distribution, significance, chemical structure and chemical reactions and properties of naval stores and related components found in wood and other tissues. Utilization and statistical data are also collected.

10000 citations

300 citations per year

Base format: Bibliographic citations, abstracts

Retr. format: Photocopy or letter/ 1-2 weeks; or verbal--by telephone or in person at site of data base

Retr. element: Summary of information needed

Contact: Duane F. Zinkel
Forest Products Laboratory
P.O. Box 5130
Madison, WI 53705
(608) 257-2211 (ext.) 464
FTS (8) 364-2464

Availability: Forest Service, faculty, graduate students, and industry/ free



Forest Service of the U.S. Department of Agriculture

Conducts forest and range research at more than 75 locations from Puerto Rico to Alaska and Hawaii.

- Participates with all State forestry agencies in cooperative programs to protect and improve the Nation's 395 million acres of State, local, and private forest lands.
- Manages and protects the 187-million-acre National Forest System for sustained yield of its many products and services.

The Pacific Southwest Forest and Range Experiment Station

represents the research branch of the Forest Service in California and Hawaii.