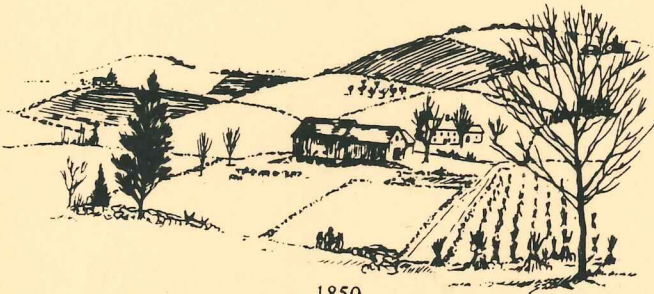
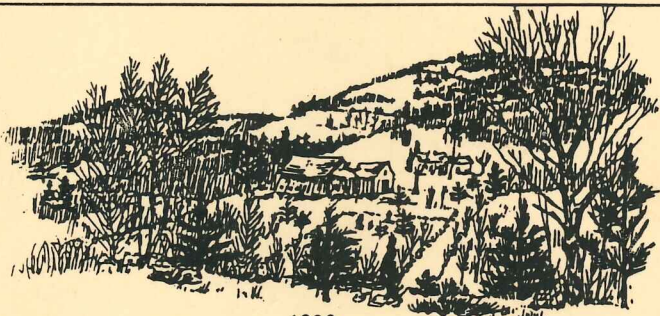




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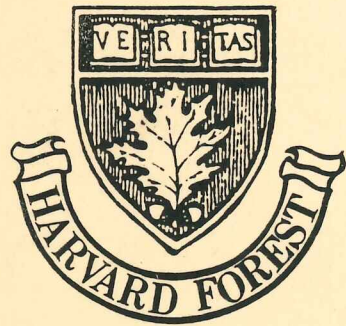


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HARVARD FOREST BIBLIOGRAPHY



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Archivist, Harvard Forest

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HARVARD FOREST BIBLIOGRAPHY

1906 - 1989

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PREFACE

Established initially as a field laboratory for forest management and research, the Harvard Forest represents one of the oldest demonstration forests in North America. Since its inception in 1907, the original 650 ha have grown to about 1200 ha. Three major blocks of land (the Prospect Hill tract, the Tom Swamp tract, and the Slab City tract), located in Petersham, Massachusetts (see Fig. 1 and 2), form the administrative center of the Forest's operation. In addition, the Forest owns a 10 ha primeval forest tract in Winchester, New Hampshire and the 50 ha Black Brook Plantations in Hamilton, Massachusetts. Harvard also at one time administered the 1300 ha Black Rock Forest in the Hudson Highlands of New York State.

From 1907 through the 1950's forestry and ecology were the major fields represented. Much of the research was devoted to deciphering the intricate land use history of the area and its impact upon the forest. The initial goal of the Forest was to produce a self-supporting operation based on sustained yield management and natural ecological principles. The 1938 hurricane obliterated the sustained yield management concept and initiated an ongoing interest in the ecology of natural disturbance phenomena. Beginning in 1937 support from the Cabot Foundation led to the appearance of publications in genetics and physiology as well. More recently additional fields including soil science, root biology, forest microbiology, plant anatomy and tree physiology have been strongly represented. The selection of the Harvard Forest as an NSF-funded Long-Term Ecological Research site in 1988 reflected an increased commitment to the Forest's program in ecosystem ecology and geographic information systems.

The complete bibliography of the Harvard Forest totals slightly more than 500 publications with over 200 appearing in the past two decades. This includes only those studies which are relevant to work on the Harvard Forest properties and adjacent areas. The Harvard Forest Bulletins and Harvard Forest Research Papers as well as the numerous theses stored in the Harvard Forest archives illustrate the history and breadth of research at the Forest. The publications are arranged alphabetically by author and in the back of the publication by subject heading or keywords. Copies of most of the publications are maintained on file in the Harvard Forest archives and library.

Gordon G. Whitney, Archivist
Harvard Forest, Harvard University
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May 1989

ACKNOWLEDGEMENTS

The Harvard Forest has periodically (1936, 1945, 1984) issued lists of publications by Harvard Forest staff and students. The earlier lists contain a wealth of information on forest management, silvics, mensuration, forest economics, and other subjects pertinent to the field of forestry. Unfortunately they omitted much of the important thesis work completed at the forest.

The present list represents an update of David Foster's 1984 Harvard Forest Bibliography. It includes the more relevant theses produced at the Forest. The bibliography should be of special use to those interested in (1) the research history and past emphases of the forest and (2) ongoing long-term ecological studies at the forest.

The preparation of the bibliography was supported by an NSF facilities grant (BSR-8706243) and an NSF LTER grant (BSR-8811764) to the Harvard Forest.

A number of individuals contributed to the completion of the bibliography. Gordon Whitney updated the 1984 version and provided editorial direction for the present revision. Barbara Flye typed and edited the manuscript, Christine Chi cut and pasted the final layout, and Ann Lezberg assisted in the production of the final bibliography. Ellen Moriarty added to and adapted the attractive cover design from several Massachusetts Audubon Society drawings of the Harvard Forest dioramas. A special thanks goes to Fred Paillet for contributing the illustrations in the interior of the bibliography.

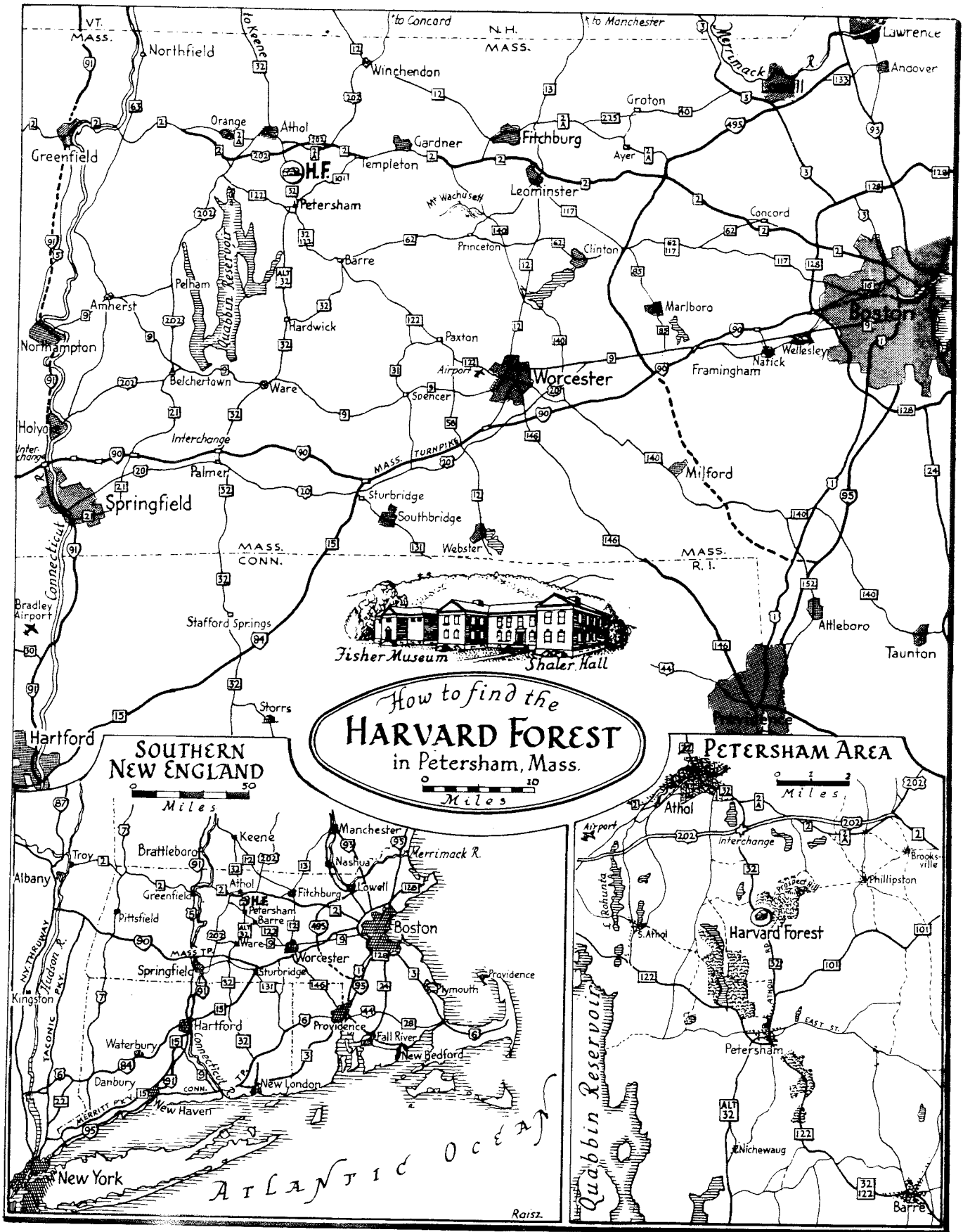


Fig. 1

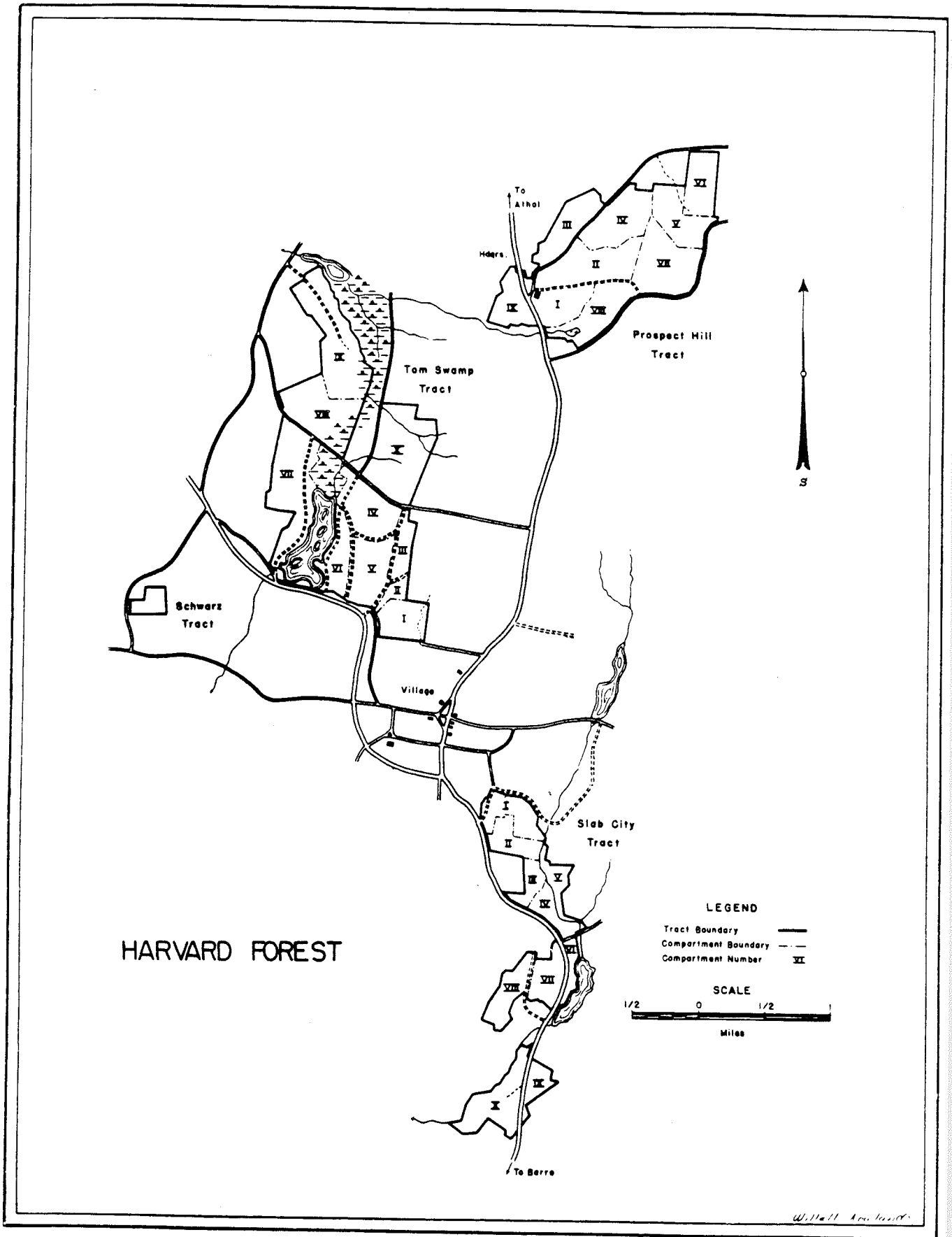


Fig. 2

Aber, J.D., K.J. Nadelhoffer, P. Steudler and J.M. Melillo. 1989. Nitrogen saturation in northern forest ecosystems. *Bioscience* 39: 378-386.

Aber, J.D., J.M. Melillo, C. McClaugherty, and K.N. Eshleman. 1983. Potential sinks for mineralized nitrogen following disturbance in forest ecosystems. *Ecological Bulletin* (Stockholm) 35: 179-192.

Aber, J.D., J.M. Melillo, N.J. Nadelhoffer, C. McClaugherty and J. Pastor. 1985. Fine root turnover in forest ecosystems in relation to quantity and form of nitrogen availability: a comparison of two methods. *Oecologia* 66: 317-321.

Allen, A.E. 1921. Factors controlling the quality of the second-growth white pine in New England. S.M. Thesis, Harvard University 28 pp.

Allen, G.M. and E.M. Gould, Jr. 1986. Complexity, wickedness, and public forests. *Journal of Forestry* 84(4): 20-23.

Altpeter, L.S. 1926. The relation of white pine slash to the development of reproduction on clear cut areas. M.F. Thesis, Harvard University. 23 pp.

Altpeter, L.S. 1937. A history of the forests of Cape Cod. Masters Thesis, Harvard University. 88 pp.

Anonymous. 1924. Catalog of representative operations on the Harvard Forest, Petersham, Massachusetts. Athol Transcript Company, Athol. 11 pp.

Anonymous. 1932. The Harvard Forest fire study, conducted by C.C. Averill and L.M. Frost. National Fire Protection Association, Vol. 25(3): 250-255.

Anonymous. 1936. Summary of research and other activities at the Harvard Forest, 1907-1936, Mimeo. Harvard Forest Archives.

Anonymous. 1939. Soils and Forest Conference, June 5-8, 1939, Harvard Forest, Petersham, Massachusetts, Mimeo. Harvard Forest Archives, 12 pp.

Anonymous. 1944. Cases in silvicultural history, Harvard Forest, Mimeo. Harvard Forest Archives.

Anonymous. 1954. The Harvard conference on forest production. Harvard Alumni Bulletin 56(12): 513-519.

Anonymous. 1954?. Progress report on the chemical control of hardwoods at the Harvard Forest, Mimeo. Harvard Forest Archives, 9 pp.

Anonymous. 1975. The Harvard Forest Models. Revised edition of the 1941 illustrated booklet describing the Harvard Forest dioramas. Published by the Harvard Forest, 47 pp.

Anonymous. 1944. The University - Harvard's botanical empire. Harvard Alumni Bulletin 46(9): 269.

Averill, C.C. and L.M. Frost. 1933. Some factors underlying forest fire insurance in Massachusetts. Harvard Forest Bulletin No.17, 80 pp.

Averill, R.C., W.B. Averill and W.I. Stevens. 1923. A statistical forest survey of seven towns in central Massachusetts. Harvard Forest Bulletin No.6, 39 pp.

Bailey, I.W. 1910. Notes on the wood structure of the Betulaceae and Fagaceae. *Forestry Quarterly* 8: 178-185.

Bailey, I.W. 1913. The preservative treatment of wood. *Forestry Quarterly* 11: 5-20.

Bailey, I.W. 1917. The role of the microscope in the identification and classification of the "timbers of commerce". *Journal of Forestry* 15: 176-191.

Bailey, I.W. and P.C. Heald. 1914. Graded volume tables for Vermont hardwoods. *Forestry Quarterly* 12: 5-23.

Baker, D. and J.G. Torrey. 1979. The isolation and cultivation of actinomycetous root nodule endophytes. In: Symbiotic Nitrogen Fixation in the Management of Temperate Forests. J.C. Gordon, C.T. Wheeler and D.A. Perry (eds.). Forest Research Laboratory, Oregon State University, Corvallis, Oregon. Pages 38-56.

Baker, D. and J.G. Torrey. 1980. Characterization of an effective actinorhizal microsymbiont, *Frankia* sp. Avell (Actinomycetales). *Canadian Journal of Microbiology* 26: 1066-1071.

Baker, D., W. Newcomb and J.G. Torrey. 1980. Characterization of an ineffective actinorhizal microsymbiont, *Frankia* sp. Eull (Actinomycetales). *Canadian Journal of Microbiology* 26: 1072-1089.

Baker, W.L. and Cline, A.C. 1936. A study of the gypsy moth in the town of Petersham, Massachusetts in 1936. *Journal of Forestry* 34(8): 759-765.

Barraclough, S. and E.M. Gould, Jr. 1951. A preliminary appraisal of New Hampshire's forest-yield tax. USDA Forest Service, Northeastern Forest Experiment Station, Station Paper 45, 26 pp.

Barraclough, S.L. and E.M. Gould, Jr. 1955. Economic analysis of farm operating units. *Harvard Forest Bulletin* No. 26, 145 pp.

Bazzaz, F.A. and T.W. Sipe. 1987. Physiological ecology, disturbance, and ecosystem recovery. In: *Potentials and Limitations of Ecosystem Analysis*. E.D. Schulze and H. Zwolfer (eds.). Springer-Verlag, Berlin. Pages 203-227.

Bell, A.D. 1974. Rhizome organization in relation to vegetative spread in *Medeola virginiana*. *Journal of the Arnold Arboretum* 55: 458-468.

Bell, A.D. and P.B. Tomlinson. 1980. Adaptive architecture in rhizomatous plants. *Botanical Journal of the Linnean Society* 79: 125-180.

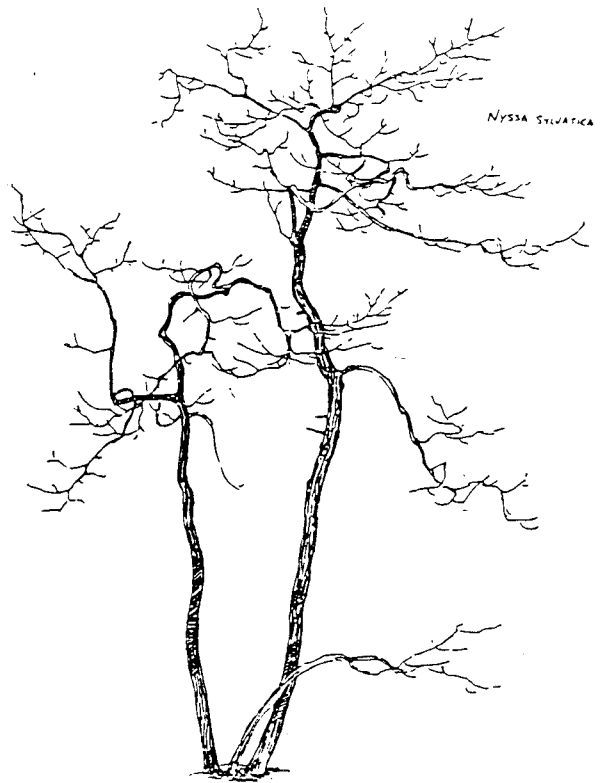
Bess, H.A., S.H. Spurr, and E.W. Littlefield. 1947. Forest site conditions and the gypsy moth. *Harvard Forest Bulletin* No.22, 56 pp.

Black, J.D. and A. Brinser. 1952. *Planning One Town, Petersham, A Hill Town in Massachusetts*. Harvard University Press, Cambridge. 75 pp.

Bormann, F.H. and G. Berlyn (eds.). 1981. Age and growth rate of tropical trees: Proceedings of the workshop on age and growth rate determination for tropical trees held at the Harvard Forest, Petersham, Massachusetts, April 1-3, 1980. *Yale Forestry Bulletin* No. 94, 137 pp.

Bowes, B., D. Callaham and J.G. Torrey. 1977. Time-lapse photographic observations of morphogenesis in root nodules of *Comptonia peregrina*. *American Journal of Botany* 64: 516-525.

Bradshaw, R.H.W. and N.G. Miller. 1988. Recent successional processes investigated by pollen analysis of closed-canopy forest sites. *Vegetatio* 76: 45-54.



Brake, R.W. and H.A. Post. 1941. Natural restocking of hurricane damaged old field white pine areas in north central Massachusetts. M.F. Thesis, Harvard University. 59 pp.

Branch, W.C., R.K. Daley, and T. Lotti. 1930. Life history of the climax forest on the Pisgah Tract, Winchester, New Hampshire. M.F. Thesis, Harvard University. 52 pp.

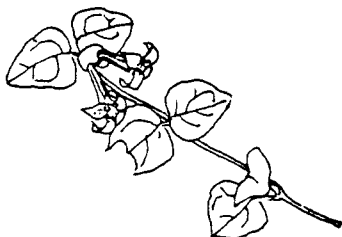
Breckenridge, C.G. and N.W. Hosley. 1932. A complete survey of the Harvard Forest plantations: 1909-1931. M.F. Thesis, Harvard University. 66 pp.

Brues, C.T. 1947. Changes in the insect fauna of a New England woodland following the application of DDT. *Harvard Forest Paper* No.1, 18 pp.

Buckingham, F.M. 1950. The use of aerial photographs in forest management, Slab City IX and X. M.S. Thesis, Harvard University. 78 pp.

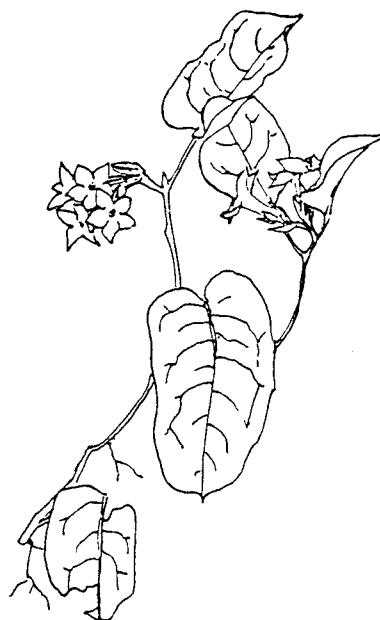
Callaham, D. and J.G. Torrey. 1977. Prenodule formation and primary nodule development in roots of *Comptonia* (Myricaceae). *Canadian Journal of Botany* 55: 2306-2318.

- Callaham, D., P. Del Tredici, and J.G. Torrey. 1977. Isolation and cultivation in vitro of the actinomycete causing root nodulation in *Comptonia*. *Science* 199: 899-902.
- Callaham, D., W. Newcomb, J.G. Torrey and R.L. Peterson. 1979. Root hair infection in actinomycete induced root nodule initiation in *Casuarina*, *Myrica*, and *Comptonia*. *Botanical Gazette* 140(S): 1-9.
- Caron, C.E. 1986. The light environment of red oak and white pine stands and its effect on the growth of red oak advanced reproduction in central New England. M.F.S. Thesis, Harvard University. 90 pp.
- Carr, J.A. 1950. An investigation into the financial aspects of silvicultural thinning. M.F. Thesis, Harvard University. 53 pp.
- Carter, E.E. 1913. A volume table for red maple on the Harvard Forest. *Harvard Forestry Club Bulletin* 2: 1-8.
- Carter, E.E. 1916. *Hylobius pales* as a factor in the reproduction of conifers in New England. *Proceedings of the Society of American Foresters* 11: 297-307.
- Cary, A. 1906. Unprofessional forestry. *Forestry Quarterly* 4: 183-187.
- Cary, A. 1908. Influence of lumbering upon forestry. *Proceedings of the Society of American Foresters* 3: 67-81.
- Cary, A. 1909. *A Manual for Northern Woodsmen*. (1st ed.). Harvard University Press, Cambridge. 250 pp.
- Chamberlain, A.R. 1949. An investigation of the uses, grades, and markets of material obtained from hardwood thinnings. M.F. Thesis, Harvard University. 62 pp.
- Charlton, R.E. 1985. A colony of *Williamsonia fletcheri* (Odonata: Corduliidae) discovered in Massachusetts. *Entomological News* 96: 201-204.
- Clark, M.S. 1955. Local phenotypic variation in red maple. M.F. Thesis, Harvard University. 66 pp.
- Cline, A.C. 1924. The group selection method with white pine. *Journal of Forestry* 22: 128-134.
- Cline, A.C. 1924. Pure white pine versus pine in mixtures. *American Forest and Forestry Life* 30: 557-558.
- Cline, A.C. 1925. The marketing of lumber in New Hampshire. *Harvard Forest Bulletin* No.10, 80 pp.
- Cline, A.C. 1925. Lumber consumption in the Springfield district. Report on a market survey by the Harvard Forest, 9 pp.
- Cline, A.C. 1929. Forest weeding. Joint publication of the Harvard Forest and the Massachusetts Forestry Association, 20 pp.
- Cline, A.C. 1930. Forest people: the Walker Forest at Greenwich Village. *American Forestry and Forest Life* 36(12): 776-778.
- Cline, A.C. 1931. The William H. Walker Forest and wood-using industry. *Journal of Forestry* 29(4): 611-612.
- Cline, A.C. 1934. Weeding the farm woodlot. *Old Farmer's Almanac*, 142nd edition.
- Cline, A.C. 1935. Improvement cutting and thinning as applied to central New England hardwoods. *Massachusetts Forest and Park Association Bulletin* No. 155, 16 pp.
- Cline, A.C. 1936. The Harvard Forest models. Published by the Harvard Forest, 19 pp.
- Cline, A.C. 1936. Opportunities for profit in New England forestry. *Old Farmer's Almanac*, 144th edition.
- Cline, A.C. 1936. The Harvard Forest at Petersham, Massachusetts. *Harvard Alumni Bulletin* 38: 749-759.
- Cline, A.C. 1936. The forest models. *Harvard Alumni Bulletin* 38: 1167-1168.
- Cline, A.C. 1937. A new outlook for the woodlot owner. *The Old Farmer's Almanac*, 145th edition.
- Cline, A.C. 1937. Silvicultural aids in the control of the gypsy moth in watershed forests. *Journal of New England Waterworks Association* 51(3): 235-244.



- Cline, A.C. 1938. Sustained yield management and its theory. Land use seminar, Mimeo, Harvard Forest Archives, 15 pp.
- Cline, A.C. 1938. A sounder basis for woodlot forestry. The Old Farmer's Almanac, 146th edition.
- Cline, A.C. 1939. The restoration of watershed forests in the hurricane area. Journal of New England Waterworks Association 53(2): 223-237.
- Cline, A.C. 1939. The hurricane area of New England: a problem in forest restoration. The Alumni News, New York State Ranger School, pp. 5-8, 11.
- Cline, A.C. 1939. Our forests and the hurricane. The Old Farmer's Almanac, 147th edition.
- Cline, A.C. 1941. Forestry should begin with the forest. Connecticut Woodlands 6(2): 28-30.
- Cline, A.C. 1941. The Harvard Forest models. Revised and rewritten. Published by the Harvard Forest, 48 pp.
- Cline, A.C. 1943. Lumber and the war. Journal of Forestry 41(5): 324-328.
- Cline, A.C. 1943. Review of Roy L. Robinson's article, some ecological aspects of afforestation and forestry in Great Britain, in Forestry 16: 1-12. Journal of Forestry 41(12): 925-927.
- Cline, A.C. 1944. Review of Henry H. Tyron's practical forestry in the Hudson highlands. (Black Rock Forestry Bulletin No. 12). Journal of Forestry 42(4): 296-297.
- Cline, A.C. and E.D. Fletcher. 1928. Pruning for profit as applied to eastern white pine. Joint publication of the Harvard Forest and the Massachusetts Forestry Association, 23 pp.
- Cline, A.C. and H.J. MacAloney. 1931. A method of reclaiming severely weeviled white pine plantations. Massachusetts Forestry Association Bulletin No. 152, 11 pp.
- Cline, A.C. and H.J. MacAloney. 1933. The improvement of weeviled white pine plantations. Connecticut Forest and Park Association, Publication No. 24, 11 pp.
- Cline, A.C. and H.J. MacAloney. 1935. Progress report of the reclamation of severely weeviled white pine plantations. Journal of Forestry 33(11): 932-935.
- Cline, A.C. and S.H. Spurr. 1942. The virgin upland forest of central New England: A study of old growth stands in the Pisgah mountain section of southwestern New Hampshire. Harvard Forest Bulletin No. 21, 58 pp.
- Cline, A.C. et al. 1941. Report of Committee on Silviculture, New England Section, Society of American Foresters-A silvicultural policy for the hurricane area. Journal of Forestry 39(4): 376-378.
- Cline, A.C., C.E. Behre and W.L. Baker. 1936. Silvicultural control of the gypsy moth. Massachusetts Forest and Park Association Bulletin No. 157, 16 pp.
- Cline, A.C., S.F. Potts and H.L. McIntyre. 1942. The white pine weevil and its control by the application of concentrated sprays. Journal of Forestry 40(5): 405-410.
- Cline, A.C. and C.R. Lockard. 1925. Mixed white pine and hardwood. Harvard Forest Bulletin 8, 66 pp.
- Cook, H.O. 1911. A forest fire wagon for Massachusetts towns. Harvard Forestry Club Bulletin 1: 42-43.
- Cook, H.O. 1913. Some original data on waterflow and forests. Harvard Forestry Club Bulletin 2: 38-42.
- Cook, H.O. and R.T. Fisher. 1921. Forest mensuration. Massachusetts Department of Conservation, 69 pp.
- Critchfield, W.B. 1971. Shoot growth and heterophylly in Acer. Journal of the Arnold Arboretum 52: 240-266.
- Curtis, J.D. 1934. A study of artificial pruning in white pine plantations. M.F. Thesis, Harvard University. 93 pp.
- Curtis, J.D. 1936. A method of pruning dead branches. Forestry Chronicle 2(3): 291-299. Reprinted in 1938 as Contribution No. 302 of the Massachusetts Agricultural Experiment Station.
- Curtis, J.D. 1937. An historical review of artificial forest pruning. Forest Chronicle 13(2): 380-395.

- Curtis, J.D. 1937. Artificial forest pruning: with special reference to the healing of branch cuts. *The Scottish Forestry Journal* 51 (part 2): 138-140.
- Davis, M.B. 1958. Three pollen diagrams from central Massachusetts. *American Journal of Science* 256: 540-570.
- Davis, M.B. and J.C. Goodlett. 1960. Comparison of the present vegetation with pollen-spectra in surface samples from Brownington Pond, Vermont. *Ecology* 41: 346-357.
- Del Tredici, P. 1977. The buried seeds of *Comptonia peregrina*, the sweet fern. *Bulletin of the Torrey Botanical Club* 104: 270-275.
- Del Tredici, P. and J.G. Torrey. 1976. On the germination of seeds of *Comptonia peregrina*, the sweet fern. *Botanical Gazette* 137: 262-268.
- Denny, C.S. 1938. Glacial geology of the Black Rock Forest. *Black Rock Forest Bulletin* No.8, 27 pp.
- Downs, J.B. 1928. The wood-using industries of Massachusetts. *Harvard Forest Bulletin* No.12, 85 pp.
- Edmonds, W.D. 1945. Timber cruising with aerial photographs. *Harvard Alumni Bulletin* 48(4): 155-156.
- Edmonds, W.D. 1946. *The Harvard Forest*. Privately printed, 15 pp.
- Ewers, F.W. and M.H. Zimmermann. 1983. The hydraulic architecture of two conifers. *American Journal of Botany* 70(5-part 2): 20-21.
- Ewers, F.W. and M.H. Zimmermann. 1984. The hydraulic architecture of balsam fir (*Abies balsamea*). *Physiologia Plantarum* 60: 453-458.
- Ewers, F.W. and M.H. Zimmermann. 1984. The hydraulic architecture of eastern hemlock. *Canadian Journal of Botany* 62: 940-946.
- Fahn, A., J. Burley, K.A. Longman and A. Mariaux. 1981. Possible contributions of wood anatomy to the determination of the age of tropical trees. In: *Age and Growth Rate of Tropical Trees*. F.H. Bormann and G. Berlyn (eds.). *Yale University School of Forestry and Environmental Studies Bulletin* No. 94. Pages 31-54.
- Fetherston, K. 1987. Computer cartographic study of hurricane damage on the Harvard Forest. M.F.S. Thesis, Harvard University. 80 pp.
- Finn, R.F. 1942. Mycorrhizal inoculation of soil of low fertility. *Black Rock Forest Papers* No. 19.
- Finn, R.F. 1942. Notes on the resampling of certain fertilized plots. *Black Rock Forest Papers* No. 16.
- Finn, R.F. 1943. The leaching of some plant nutrients following the burning of forest litter. *Black Rock Forest Papers* No. 21.
- Finn, R.F. and H.H. Tryon. 1942. The comparative influence of leaf mould and inorganic fertilizers on the growth of red oak. *Black Rock Forest Papers* No. 17.
- Fisher Memorial Committee. 1935. *The Harvard Forest 1907-1934: A memorial to its first director Richard Thornton Fisher*. Published by the Alumni, 70 pp.
- Fisher, R.T. 1910. Methods of instruction in the forest school. *Forestry Quarterly* 8(1): 12-16.
- Fisher, R.T. 1911. An account of operations in the Harvard Forest, 1908-09. *Harvard Forestry Club Bulletin* 1: 1-9.
- Fisher, R.T. 1912. *Forestry*. *Harvard Graduates Magazine* 21: 680.



Fisher, R.T. 1916. Some unwritten records of the Harvard Forest. *Harvard Graduates Magazine* 25: 191-193.

Fisher, R.T. 1916. Utilization of round edge lumber. *Proceedings of the Society of the American Foresters* 11(4): 386-393.

Fisher, R.T. 1918. Second-growth white pine as related to the former uses of the land. *Journal of Forestry* 16(2): 253-254.

Fisher, R.T. 1918. The yield of volunteer second growth as affected by improvement cutting and early weeding. *Journal of Forestry* 16: 493-506.

Fisher, R.T. 1918. Silviculture for country roadsides. *Massachusetts Forestry Association Bulletin* No. 123, 4 pp.

Fisher, R.T. 1920. The Harvard Forest at Petersham. *Harvard Alumni Bulletin* 22: 829-835.

Fisher, R.T. 1921. The management of the Harvard Forest, 1909-1919. *Harvard Forest Bulletin* No.1, 27 pp.

Fisher, R.T. 1922. Note on the measurement of growth for large regions. *Journal of Forestry* 20: 586-588.

Fisher, R.T. 1925. Descent of the white pine woodlot. In: *Harvard Forest Bulletin* No.8. Pages 7-14.

Fisher, R.T. 1925. Marketing Massachusetts forest products. *The Hampden* 7(2): 1-2.

Fisher, R.T. 1925. The new policy for the Society. *Journal of Forestry* 23: 707-708.

Fisher, R.T. 1925. A note on Harvard Forest silviculture. *Journal of Forestry* 23: 909-912.

Fisher, R.T. 1926. Lumber consumption in the Springfield district. *The Hampden* 8(2): 1-2.

Fisher, R.T. 1926. General marketing conditions in New Hampshire. *Harvard Forest Bulletin* No. 10, Part I. Pages 7-12.

Fisher, R.T. 1927. A museum of forest antiquity. *American Forests and Forest Life* 33: 348.

Fisher, R.T. 1928. Soil changes and silviculture on the Harvard Forest. *Ecology* 9: 6-11.



Fisher, R.T. 1928. Pine plantations and New England forestry. *Journal of Forestry* 26: 790-793.

Fisher, R.T. 1928. Prospects for utilization of land for timber in New England. Address before New England Research Council, December 7, 1928. Mimeo on file in Harvard Forest Archives, 1 p..

Fisher, R.T. 1929. The Harvard Forest. A model forest to demonstrate the practice of forestry, an experiment station for research in forestry and allied problems, a field laboratory for graduate students. Manuscript on file in Harvard Forest Archives, 11 pp.

Fisher, R.T. 1929. Our wildlife and the changing forest. *The Sportsman*, March.

Fisher, R.T. 1931. The Harvard Forest as a demonstration tract. *Quarterly Journal of Forestry* 25: 1-12.

Fisher, R.T. 1933. New England forests: biological factors. *American Geographical Society Special Publication* 16: 213-223.

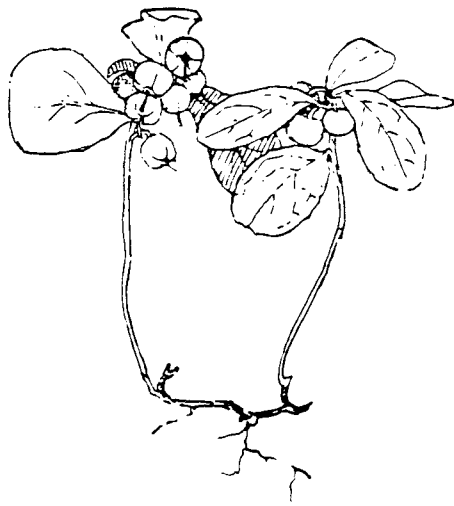
Fisher, R.T. 1934. Abandoned farms and pine woodlots. *Farmers' Almanac*, April 1934.

Fisher, R.T. 1903. Forestry at Harvard. *Forestry and Irrigation* 9(7): 320.

Fisher, R.T. 1903. Forestry for southern New England woodlots. *Forestry and Irrigation* 9(3): 120-121.

Fisher, R.T. and E.I. Terry. 1920. The management of second growth white pine in central New England. *Journal of Forestry* 18: 358-366.

- Forbes, R.H. (compiler). 1985. Richard Thornton Fisher - 1876-1934, Director of the Harvard Forest for its first twenty-seven years: Selections from his publications with a memorial biography by Henry James. 59 p manuscript on file in Harvard Forest Archives.
- Foster, C.H.W. 1970. The Northfield mountain pumped storage project counterpoint to Con Ed. Harvard Forest Paper No. 19.
- Foster, D.R. 1988. Species and stand response of catastrophic wind in central New England, U.S.A.. *Journal of Ecology* 76: 135-151.
- Foster, D.R. 1988. Disturbance history, community organization and vegetation dynamics of the old-growth Pisgah Forest, south-western New Hampshire, U.S.A.. *Journal of Ecology* 76: 105-134.
- Gast, P.R. 1925. Studies of the humus layers of coniferous forests, their peculiarities and their dependence upon silviculture. Translation of the German resume of article by Henrik Hesselman, Studier over barrskogens humustacke dess egenskaper och beroende av skogsvarden. *Medd. Statens Skogsforsoksanst* 22(5): 169-552.
- Gast, P.R. 1927. Insolation and silvics with reference to studies at the Harvard Forest. D.S. Thesis, Harvard University. 50 pp.
- Gast, P.R. 1930. A thermoelectric radiometer for silvical research. *Harvard Forest Bulletin* No.14, 76 pp.
- Gast, P.R. 1930. "Conclusion" in the evolution of soils. *Harvard Forest Bulletin* No. 15, Pages 74-78.
- Gast, P.R. 1931. "Comment" in the physical properties of the cove soils. *Black Rock Forest Bulletin* No. 2, Pages 35-37.
- Gast, P.R. 1936. Studies in the development of conifers in raw humus.III. The growth of Scots pine (*Pinus sylvestris*) seedlings in pot cultures of different soils under varied radiation intensities. *Statens Skogsforsoksanst* 29: 582-587.
- Gast, P.R. 1937. Contrasts between the soil profiles developed under pines and hardwoods. *Journal of Forestry* 35(1): 11-16.
- Gast, P.R. 1962. Modification and measurement of sun, sky and terrestrial radiation for eco-physiological studies. In: *Proceedings of the Montpellier Symposium, Methodology of Plant Eco-Physiology*. UNESCO, Pages 29-45.
- Gast, P.R. and P.W. Stickel. 1929. Solar radiation and relative humidity in relation to duff moisture and forest fire hazard. *Monthly Weather Review* 57: 466-468.
- Gevorkiantz, S.R. and N.W. Hosley. 1929. Form and development of white pine stands in relation to growing space. *Harvard Forest Bulletin* No. 13, 83 pp.
- Gill, A.M. 1971. The formation, growth and fate of buds of *Fraxinus americana* L. in central Massachusetts. *Harvard Forest Paper* 20, 16 pp.
- Gill, C.E., L. Prahar and R.A. Yoder. 1942. A silvicultural study and management plan for Tom Swamp III. M.F. Thesis, Harvard University. 95 pp .
- Goforth, P.L. and J.G. Torrey. 1977. The development of isolated roots of *Comptonia peregrina* (L.) Coult. (Myricaceae) in culture. *American Journal of Botany* 64: 476-482.
- Goodell, B.C. 1937. A study of spring flood factors as influenced by forest cover types in central New England. M.F. Thesis, Harvard University. 45 pp.
- Goodlett, J.C. 1954. Vegetation adjacent to the border of the Wisconsin drift in Potter County, Pennsylvania. *Harvard Forest Bulletin* No. 25, 93 pp.
- Goodlett, J.C. 1960. The development of site concepts at the Harvard Forest and their impact upon management policy. *Harvard Forest Bulletin* No. 28, 128 pp.
- Gottlieb, A.W. 1927. The occurrence of nitrogen in soil profiles under pine in various forest types. M.F. Thesis, Harvard University. 17 pp.
- Gould Jr., E.M. 1950. Economic problems of managing small woodland holdings in New England. Ph.D. Thesis, Harvard University. 317 pp.
- Gould Jr., E.M. 1952. Motivations of landowners in adopting different management practices. In: *Proceedings of the Annual Meeting of the New England Research Council on Marketing and Food Supply*. Pages 34-37.



- Gould Jr., E.M. 1953. The role of capital in forest resource use and research in the economics forestry: report of the forest economics workshop. In: Proceedings of the Annual Meeting of the New England Research Council on Marketing and Food Supply. Pages 70-71.
- Gould Jr., E.M. 1957. The Harvard Forest prism holder for point sampling. *Journal of Forestry* 55(10): 730-731.
- Gould Jr., E.M. 1960. Fifty years of management at the Harvard Forest. *Harvard Forest Bulletin* No. 29, 30 pp.
- Gould Jr., E.M. 1961. Planning a recreation complex. *American Forests* 67(8): 30-35.
- Gould Jr., E.M. 1961. Review: Farm economics: New laws for new forests by E.D. Solberg. *Journal of Farm Economics*, Vol. 43.
- Gould Jr., E.M. 1962. Forestry and recreation. In: *Water Resources and Economic Development of the West*, Report No. 11, Economics in Outdoor Recreational Policy, Conference Proceedings-Committee on the Economics of Water Resources Development of the Western Agricultural Economics Research Council jointly with the Western Farm Economics Association. Pages 41-50.
- Gould Jr., E.M. 1962. Forestry and recreation. *Harvard Forest Paper* No. 6, 17 pp.
- Gould Jr., E.M. 1962?. Forest policy and economics. Mimeo, distributed by the Canadian Institute of Forestry, 9 pp.
- Gould Jr., E.M. 1964. Conservation and sustained yield. In: *The Ford Foundation, Conference on Natural Resources, Discussion Papers*, 8 pp.
- Gould Jr., E.M. 1964. The future of forests in society. *The Forestry Chronicle* 40(4): 431-444.
- Gould Jr., E.M. 1965. Forest and water system problems. In: *Proceedings of the Municipal Watershed Management Symposium, University of Massachusetts, Amherst*. Pages 72-77.
- Gould Jr., E.M. 1966. Changing economics of the forest products industries. In: *Conference on the History of the Forest Products Industries, Graduate School of Business, Harvard University*, Pages 49-68.
- Gould Jr., E.M. 1966. Forestry and the urban realm. *The Forestry Chronicle* 42(3): 285-293.
- Gould Jr., E.M. 1967. Simulation and forestry. *Proceedings 14th IUFRO Congress (Section 25) Munich 1967*. 6: 96-104.
- Gould Jr., E.M. 1968. Planning for forest development on small holdings. *Journal of Forestry* 66: 792-795.
- Gould Jr., E.M. 1969. Whatever became of the invisible hand?. *Forest History* 12(4): 7-9.
- Gould Jr., E.M. 1969. Scholars in the forest. *Southern Lumberman* 219: 185-188.
- Gould Jr., E.M. 1971. The Harvard Forest: a window on the world. *Massachusetts Land League, Letter*, Vol. 2, No. 8, 2 pp.
- Gould Jr., E.M. 1972. Toward a new forest decision model. In: *A Perspective on Clear-cutting in a Changing World*. State University College of Forestry at Syracuse. AFRI Misc. Report No.4, February 1972, Pages 103-117.
- Gould Jr., E.M. 1973. How is forestry shaping up, futurewise?. Talk given at Faculty Seminar, University of West Virginia (May 4), Mimeo on file Harvard Forest Archives, 14 pp.
- Gould Jr., E.M. 1973. Future expectations. In: *Timber: Problems, Prospects, Policies*. Wm. A. Duerr (ed.). Iowa University Press, Ames, Iowa. Pages 81-91.
- Gould Jr., E.M. 1973. Clearcutting and economics. In: *Clearcutting, a View from the Top*. E.C.J. Horwitz (ed.). Acropolis Books, Ltd., Washington, D.C. Pages 156-167.

Gould Jr., E.M. 1975. Wilderness: what are the opportunities?. *Journal of Forestry* 73: 8-11.

Gould Jr., E.M. 1975. The plan is to act. *Journal of Forestry* 73: 90-93.

Gould Jr., E.M. 1975. The search for parity. *Journal of Forestry* 73: 217-221.

Gould Jr., E.M. 1976. Miscellaneous owners: expectations and realities. In: *America's Renewable Resource Potential-1975: The Turning Point*. Proc. 1975 National Convention, Society of American Foresters. Pages 254-258.

Gould Jr., E.M. 1977. Harvard Forest management game. *Journal of Forestry* 75: 587-589.

Gould Jr., E.M. 1978. Wanted: high-satisfaction forestry. *Journal of Forestry* 76: 715-717.

Gould Jr., E.M. 1979. Report of the Massachusetts Forestry Program Review Board. On file Harvard Forest Archives, 25 pp.

Gould Jr., E.M. 1980. Economic prospects of private forest owners. Talk given at Nov. 30 - Dec. 2, 1980 Joint Government - Industry Conference on Intensive Timber Harvest in Private Adirondack Forests, Rensselaerville, NY. On file Harvard Forest Archives, 19 pp.

Gould Jr., E.M. 1980. New England forestry round the bend. Talk given at March 13, 1980 meeting of Society of American Foresters, New England Section. On file Harvard Forest Archives, 15 pp.

Gould Jr., E.M. 1981. The past and future of New England forests. Talk given at summer meeting of Society of American Foresters, New England Section, Burlington, VT, On file Harvard Forest Archives, 11 pp.

Gould Jr., E.M. 1983. The woodlot. 1983 Harvard Forest Field Day, On file in Harvard Forest Archives, 10 pp.

Gould Jr., E.M. 1984. Culture and guides to action. In: *Fees for Outdoor Recreation on Lands Open to the Public*, B.H. Martin (ed.), AMC Conference Proceedings. On file Harvard Forest Archives, Pages 10-14.

Gould Jr., E.M. 1984. Even-flow sustained yield is antisocial. *Journal of Forestry* 82(10): 641.

Gould Jr., E.M. 1984. Fee or free, fight or flight. *Appalachia Bulletin* 51: 8-10.

Gould Jr., E.M. 1984. Riding the winds of change in Maine's forests. Talk given at December 7, 1984 Blaine House Conference. On file in Harvard Forest Archives, 13 pp.

Gould Jr., E.M. 1985. Managing a small woodlot. *Arnoldia* 45(1): 1-12.

Gould Jr., E.M. 1986. Where have all the forests gone? Long time passing. In: *Eastern White Pine: Today and Tomorrow*. D.T. Funk (compiler). USDA Forest Service. General Technocal Report WO-51, Pages 22-25.

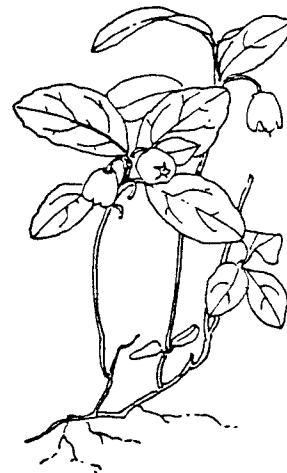
Gould Jr., E.M. 1970. Forestry in Massachusetts. In: *A Half Century of Forestry 1920-1970*. N.E. Section, Society of American Foresters, Pages 17-24.

Gould Jr., E.M. 1971. Values, trees and the urban realm. In: *Trees and Forests in an Urbanizing Environment*, Cooperative Extension Service, University of Massachusetts, Pages 79-90.

Gould Jr., E.M. 1982. Forest succession - the human factor. In: *The Small Woodland Owner in Maine*. D. Howlett (ed.). Tech. Notes No. 85. College of Forest Resources, University of Maine, Orono, ME. Pages 12-16.

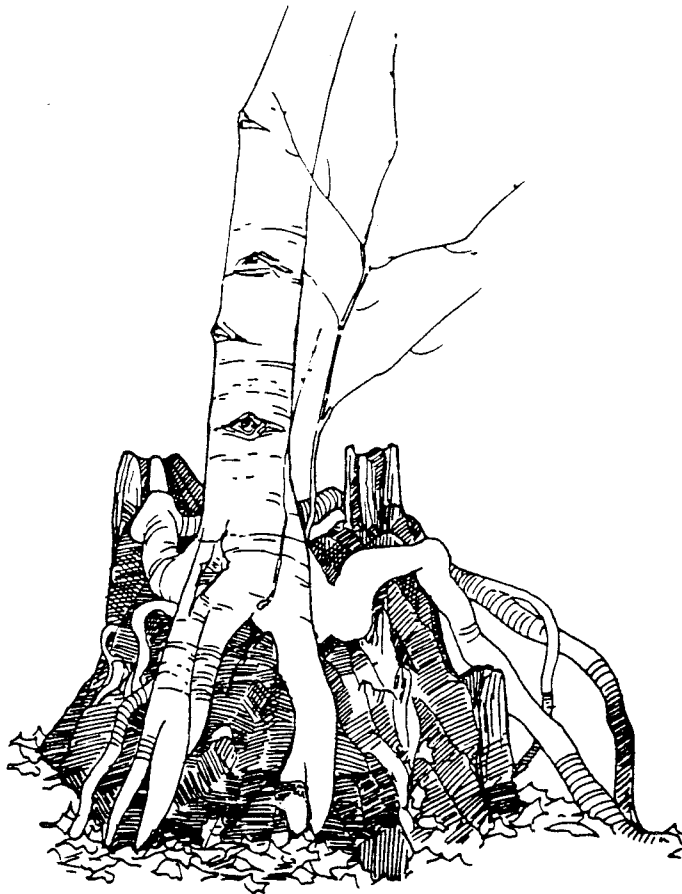
Gould Jr., E.M. 1983. The planning process today - its strengths and weaknesses. In: *Proceedings New England Section, Society of American Foresters, 63rd annual winter meeting, Burlington, VT*. Book 1. Pages 64-78.

Gould Jr., E.M. and W.G. O'Regan. 1965. *Simulation: A step toward better forest planning*. Harvard Forest Paper No. 13, 86 pp.



- Gould Jr., E.M. and C.H. Reidel. 1979. The Yankee forest. *Journal of Forestry* 77(9): 558-562.
- Gould, H.F. 1911. Some preliminary investigations concerning the ratio between D.B.H. and D.I.B. at stump for white pine in Massachusetts. *Harvard Forestry Club Bulletin* 1: 44-45.
- Gould, V.A. 1938. A study of the winter relations of the snowshoe hare in the Harvard Forest. M.F. Thesis, Harvard University. 68 pp.
- Griffith, B.G., E.W. Hartwell and T.E. Shaw. 1930. The evolution of soils as affected by the old field white pine-mixed hardwood succession in central New England. *Harvard Forest Bulletin* No.15, 82 pp.
- Grossenbacher, K.A. 1945. An apparatus to maintain a surface film of water for use in vegetative propagation. *Journal of the Arnold Arboretum* 26: 207-211.
- Hagenstein, P.R. 1971. Multiple use and environmental decisions on public lands. *Journal of Forestry* 69: 21-24.
- Hale, W.F. 1910. Disposal of slash on cut-over white pine areas in relation to forest management. M.F. Thesis, Harvard University.
- Halle, F., R.A.A. Oldeman, and P.B. Tomlinson. 1978. *Tropical Trees and Forests, an Architectural Analysis*. Springer-Verlag, New York. 441 pp.
- Hammett, R.F. 1913. Fire protection. *Harvard Forestry Club Bulletin* 2: 9-12.
- Hanson, E.A. 1939. Reproduction systems in the pine-hardwood succession in old fields, Tom Swamp. M.F. Thesis, Harvard University. 42 pp.
- Harper, J.L. and J. White. 1972. The dynamics of plant populations. In: *Dynamics of Populations*, P.J. den Boer and G.R. Gradwell (eds.). *Proceedings of Advanced Study Institute, Centre for Agric. Publ. and Docum., Wageningen, Netherlands*. Pages 41-63.
- Harper, J.L. and J. White. 1974. The demography of plants. *Annual Reviews of Ecology and Systematics* 5: 419-463.
- Harrington, C.A. and J.J. Karnig. 1975. Growth increase after moderate thinning in a 70-year-old mixed oak stand. *Black Rock Forest Papers* No. 31.
- Harvard Forestry Club. 1911. *Bulletin of the Harvard Forestry Club, Volume I*. Harvard University.
- Harvard Forestry Club. 1913. *Bulletin of the Harvard Forestry Club, Volume II*. Harvard University.
- Hatch, A.B. 1937. The physical basis of mycotrophy in *Pinus*. *Black Rock Forest Bulletin* No.6, 17 pp.
- Hatheway, W.H. 1954. A study of tree distribution, soils, and temporary water table in western Tom Swamp I. M.F. Thesis, Harvard University. 29 pp.
- Hatt, R.T. 1929. The red squirrel: its life history and habits, with special reference to the Adirondacks of New York and the Harvard Forest. *Bulletin of the New York State College of Forestry at Syracuse University*, Vol. 2(1): 11-146.
- Hatt, R.T. 1930. The relation of mammals to the Harvard Forest. *Bulletin of the New York State College of Forestry at Syracuse University*, Vol. 3(2c): 625-671.
- Henry, J.D. 1968. The Pisgah Forest: 300 years of change. M.F.S. Thesis, Harvard University. 55 pp.
- Henry, J.D. and J.M.A. Swan. 1974. Reconstructing forest history from live and dead plant material - an approach to the study of forest succession in southwest New Hampshire. *Ecology* 55: 772-783.
- Herr, C.S. 1930. The regrowth of hardwood sprouts resulting from repeated weedings. M.F. Thesis, Harvard University.
- Hibbs, D.E. 1979. The age structure of a striped maple population. *Canadian Journal of Forestry Research* 9: 504-508.
- Hibbs, D.E. 1981. Development of the forest canopy - a key to silviculture. *The Northern Logger and Timber Processor* 29: 62,78.
- Hibbs, D.E. 1981. Leader growth and the architecture of three North American hemlocks. *Canadian Journal of Botany* 59: 476-480.

- Hibbs, D.E. 1982. Gap dynamics in a hemlock-hardwood forest. *Canadian Journal of Forest Research* 12: 522-527.
- Hibbs, D.E. 1982. White pine in the transition hardwood forest. *Canadian Journal of Botany* 60: 2046-2053.
- Hibbs, D.E. 1983. Forty years of forest succession in central New England. *Ecology* 64: 1394-1401.
- Hibbs, D.E. and B.C. Fischer. 1979. Sexual and vegetative reproduction of striped maple (*Acer pensylvanicum* L.). *Bulletin of the Torrey Botanical Club* 106: 222-227.
- Hibbs, D.E., B.F. Wilson and B.C. Fischer. 1980. Habitat requirements and growth of striped maple (*Acer pensylvanicum*). *Ecology* 61: 490-496.
- Hibbs, D.E., B.F. Wilson and B.C. Fischer. 1979. Striped maple: a silvicultural problem with a solution. *Northern Logger* 28: 19.
- Hick, R.M. 1927. Influence of land, history and legislative enactments on the character and condition of the state forests of Massachusetts. M.F. Thesis, Harvard University. 39 pp.
- Hill, M. 1948. A comparative study of aerial photographs for forest photo-interpretation, Slab City IX. M.F. Thesis, Harvard University. 50 pp.
- Hoffman, D. 1950. The role of photo-periodism in controlling height growth in *Populus* spp. M.F. Thesis, Harvard University. 52 pp.
- Hoisington, R.E. 1950. A silvicultural plan for the management of red oak in central New England. M.F. Thesis, Harvard University. 48 pp.
- Holsoe, T. 1933. Management of red oak and white ash with special reference to thinning. M.F. Thesis, Harvard University.
- Holsoe, T. 1947. The relation of tree development to the timing of the first thinning in even-aged hardwood stands. *Harvard Forest Paper No. 2*, 25 pp.
- Holsoe, T. 1948. Crown development and basal area growth of red oak and white ash. *Harvard Forest Paper No. 3*, 33 pp.
- Honda, H., P.B. Tomlinson and J.B. Fisher. 1981. Computer simulation of branch interaction and regulation by unequal flow rates in botanical trees. *American Journal of Botany* 68: 569-585.
- Honda, H., P.B. Tomlinson and J.B. Fisher. 1982. Two geometrical models of branching of botanical trees. *Ann. Bot.* 49: 1-11.
- Horn, H.S. 1975. Forest succession. *Scientific American* 232: 90-98.
- Hosley, N.W. 1925. A mystery of the treetops. *American Forestry and Forestry Life* 31: 455-457.
- Hosley, N.W. 1928. Red squirrel damage to coniferous plantations and its relation to changing food habits. *Ecology* 9(1): 43-48.
- Hosley, N.W. 1928. A preliminary study of borer damage in stacked white pine lumber. *Journal of Forestry* 26(7): 888-891.
- Hosley, N.W. 1931. Wild animal damage to New England forests. *Journal of Forestry* 29(5): 700-708.
- Hosley, N.W. 1935. The essentials of a management plan for forest wildlife in New England. *Journal of Forestry* 33(12): 985-989.
- Hosley, N.W. 1936. Norway spruce in the northeastern United States: A study of existing plantations. *Harvard Forest Bulletin No. 19*, 80 pp.
- Hosley, N.W. 1936. Forest wildlife census methods applicable to New England conditions. *Journal of Forestry* 34(5): 467-471.
- Hosley, N.W. 1936. Food and cover for wildlife. *American Wildlife* 25(3): 36,44-46.
- Hosley, N.W. 1937. Some interrelations of wildlife management and forest management. *Journal of Forestry* 35(7): 674-678.
- Hosley, N.W. 1937. Woody plants of New England used as food by birds and mammals. *Connecticut Forester*, pp.20-26.
- Hosley, N.W. and R.K. Ziebarth. 1935. Some winter relations of the white-tailed deer to the forests in north central Massachusetts. *Ecology* 16(4): 535-553.



- Hosley, N.W., W.G. Hamilton, Jr., and A.E. MacGregor. 1937. Late summer and early fall foods of the red fox in central Massachusetts. *Journal of Mammology* 18(3): 366-367.
- Hosmer, R.S. 1934. Richard Thornton Fisher. *Journal of Forestry* 32(7): 680-683.
- Howard, W.G. 1912. Land surveying in forestry. *Harvard Forestry Club Bulletin* 1: 36-41.
- Hunt, S.S. 1931. European larch in the northeastern United States: A study of existing plantations. *Harvard Forest Bulletin* No. 16, 45 pp.
- Jabbar, S.A. 1963. The anatomy of healing of pruned stubs in Norway spruce. M.F.S. Thesis, Harvard University. 60 pp.
- Jack, J.G. 1911. Trees and other woody plants found in the Harvard Forest, 1908-09. *Harvard Forestry Club Bulletin* 1: 10-26.
- Jeglum, J.K., C.F. Wehrhann, and J.M.A. Swan. 1971. Comparisons of environmental ordinations with principal component vegetational ordinations for sets of data having different degrees of complexity. *Canadian Journal of Forest Research* 1: 99-112.
- Jeje, A.A. 1979. Rates of spontaneous movement of water in capillary tubes. *Journal of Colloidal and Interface Science* 69: 420-429.
- Jeje, A.A. and M.H. Zimmermann. 1979. Resistance to water flow in xylem vessels. *Journal of Experimental Botany* 30: 817-827.
- Jenkins, S.H. 1975. Food selection by beavers: a multidimensional contingency table analysis. *Oecologia* 21: 157-173.
- Jenkins, S.H. 1978. Food selection by beavers: sampling behavior. *Breviora* 447: 1-6.
- Jenkins, S.H. 1979. Seasonal and year-to-year differences in food selection by beavers. *Oecologia* 44: 112-116.
- Jenkins, S.H. 1980. A size-distance relation in food selection by beavers. *Ecology* 61(4): 740-746.
- Jenkins, S.H. 1981. Problems, progress, and prospects in studies of food selection by beavers. In: *Worldwide Furbearers Conference Proceedings*. J.A. Chapman and D. Pursley (eds.). Vol. I. Pages 559-579.
- Johden, A.J. 1949. Preliminary investigation of the utilization of hardwood thinnings. M.F. Thesis, Harvard University. 46 pp.
- Johnson, F. and H.M. Raup. 1947. Grassy Island: Archaeological and botanical investigations of an Indian site in the Taunton River, Massachusetts. *Papers of the Robert S. Peabody Foundation for Archaeology*, Vol. 1, No. 2, Phillips Academy, 68 pp.
- Johnston, J.W. 1932. The fauna of soil as affected by the old field white pine-mixed hardwood succession. M.F. Thesis, Harvard University. 23 pp.
- Kana. T.M. and J.D. Tjepkema. 1978. Nitrogen fixation associated with *Scirpus atrovirens* and other nonnodulated plants in Massachusetts. *Canadian Journal of Botany* 56: 2636-2640.

- Karnig, J.J. 1966. Recreation use within the Harvard Black Rock Forest. Black Rock Forest Papers No. 26.
- Karnig, J.J. 1972. Nitrogen fertilizer increases diameter growth of northern red oak. *Journal of Forestry* 70: 629.
- Karnig, J.J. and B.B. Stout. 1969. Diameter growth of northern red oak following understory control. Black Rock Forest Papers No. 30.
- Karnig, J.J. and W.H. Lyford. 1968. Oak mortality and drought in the Hudson Highlands. Black Rock Forest Papers, No. 29.
- Kelty, M.J. 1984. The development and productivity of hemlock-hardwood forests in southern New England. Ph.D. Thesis, Yale University. 206 pp.
- Kelty, M.J. 1986. Development patterns in two hemlock-hardwood stands in southern New England. *Canadian Journal of Forest Research* 16: 885-891.
- Kelty, M.J. and E.M. Gould, Jr. 1987. Effects of understory removal in hardwood stands. *Northern Journal of Applied Forestry* 4: 162-164.
- Kimball, G.W. and E.E. Carter. 1913. Influence of shade and other factors on plantations. *Forestry Quarterly* 11: 176-184.
- Kittredge, J. 1913. Notes on the chestnut bark disease in Petersham, Mass. *Harvard Forestry Club Bulletin* 2: 13-22.
- Lee, D.R. and M.H. Zimmermann. 1976. Longitudinal and lateral water permeability of the xylem of *Betula papyrifera*. *Plant Physiology* 57 (suppl.): 78.
- Lee, D.R., S.S. Dunford and M.H. Zimmermann. 1977. Estimation of the elastic nodules of sieve element cell walls. *Plant Physiology* 59 (Suppl.): 26.
- Lewis, A.M. 1982. Vascular connections between roots and shoots of *Acer rubrum*: coppice growth and implications for management. M.F.S. Thesis, Harvard University, 53 pp.
- Lorimer, C.G. 1977. The presettlement forest and natural disturbance cycle of northeastern Maine. *Ecology* 58: 139-148.
- Lorimer, C.G. 1981. Survival and growth of understory trees in oak forests of the Hudson Highlands, New York. *Canadian Journal of Forest Research* 11: 689-695.
- Lorimer, C.G. 1983. A test of the accuracy of shade-tolerant classifications based on physiognomic and reproductive habits. *Canadian Journal of Botany* 61(6): 1595-1598.
- Lorimer, C.G. 1984. Development of the red maple understory in northeastern oak forests. *Forest Science* 30(1): 3-22.
- Lorimer, C.G. and A.G. Krug. 1983. Diameter distributions in even-aged stands of shade tolerant and mid-tolerant tree species. *American Midland Naturalist* 109(2): 331-345.
- Lutz, R.J. and A.C. Cline. 1947. Results of the first thirty years of experimentation in silviculture in the Harvard Forest, 1908-1938. Part I. The conversion of stands of old field origin by various methods of cutting and subsequent cultural treatments. *Harvard Forest Bulletin* No. 23, 182 pp.
- Lutz, R.J. and A.C. Cline. 1956. Results of the first thirty years of experimentation in silviculture in the Harvard Forest, 1908-1938. Part II. Natural reproduction methods in white pine-hemlock stands on light, sandy soils. *Harvard Forest Bulletin* No. 27, 69 pp.
- Lyford, W.H. 1963. Importance of ants to brown podzolic soil genesis in New England. *Harvard Forest Paper* No. 7, 18 pp.
- Lyford, W.H. 1964. Water table fluctuations in periodically wet soils of central New England. *Harvard Forest Paper* No. 8, 15 pp.
- Lyford, W.H. 1964. Coarse fragments in the Gloucester soils of the Harvard Forest. *Harvard Forest Paper* No. 9, 16 pp.
- Lyford, W.H. 1966. Fungal hyphae and the morphology of B horizons of New England soils. *Harvard Forest Paper* No. 17, 8 pp.
- Lyford, W.H. 1973. Forest soil microtopography. In: *Proceedings of the 1st Soil Microcommunities Conference*. D.L. Dindahl (ed.), U.S. Atomic Energy Commission. CONF-711076, distribution category UC-48. Pages 47-58.
- Lyford, W.H. 1973. Fragipan horizons in soils on moraines near Garpenberg, Sweden. *Studia Forestalia Suecica* 108: 1-21.

Lyford, W.H. 1974. Narrow soils, and intricate soil patterns in southern New England. *Geoderma* 11: 195-208.

Lyford, W.H. 1975. Rhizography of non-woody roots of trees in the forest floor. In: *The Development and Function of Roots*, J.G. Torrey and D.T. Clarkson (eds.), Academic Press. Pages 179-196.

Lyford, W.H. 1975. Overland migration of *Collembolla* (*Hypogastrura nivicola* Fitch) colonies. *American Midland Naturalist* 94: 205-209.

Lyford, W.H. 1980. Development of the root system of the northern red oak (*Quercus rubra* L.). *Harvard Forest Paper No. 21*, 30 pp.

Lyford, W.H. and B.F. Wilson. 1964. Development of the root system of *Acer rubrum* L. *Harvard Forest Paper No. 10*, 17 pp.

Lyford, W.H. and B.F. Wilson. 1966. Controlled growth of forest tree roots. *Harvard Forest Paper No. 16*, 12 pp.

Lyford, W.H. and D.W. MacLean. 1966. Mound and pit microrelief in relation to soil disturbance and tree distribution in New Brunswick, Canada. *Harvard Forest Paper No. 15*, 18 pp.

Lyford, W.H., L.C. Goodlett and W.H. Coates. 1963. Landforms, soils with fragipans, and forest on a slope in the Harvard Forest. *Harvard Forest Bulletin No. 30*, 68 pp.

MacAloney, H.J. and N.W. Hosley. 1934. Experiments in simplified control of mound building ants in the forest. *Journal of Forestry* 32(9): 1003-1006.

Marcus, L.F., E.M. Gould, Jr., and R.L. Bury. 1961. Measuring the recreation use of national forests. *USDA Forest Service Pacific Southwest Forest and Range Experiment Station Technical Paper 59*.

Marshall, R. 1927. The growth of hemlock before and after the release from suppression. *Harvard Forest Bulletin No. 11*, 43 pp.

Martin, W.H. 1949. Sex-associated characters of dioecious species (white ash, juniper, and trembling aspen). M.F. Thesis, Harvard University. 37 pp.

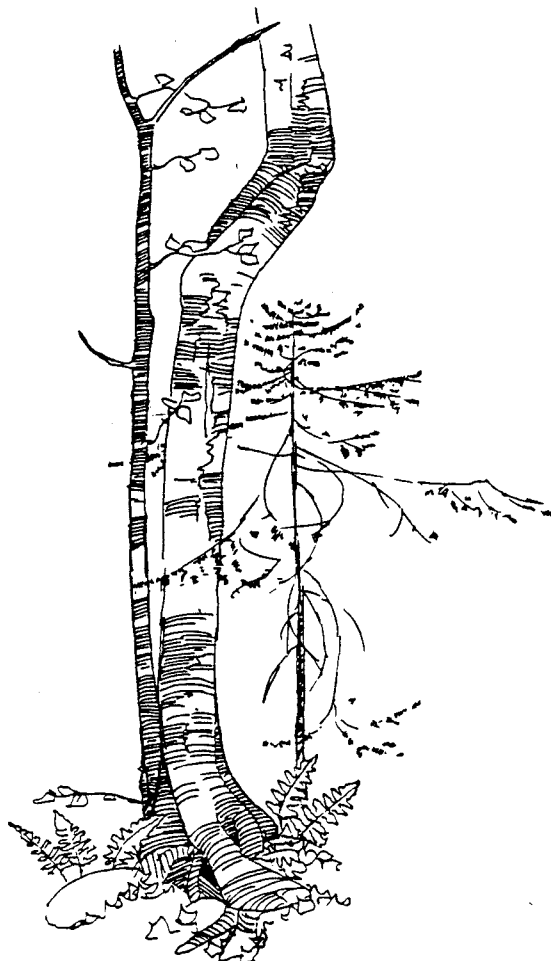
McClaugherty, C.A. and A.E. Linkins. 1989. Temperature responses of enzymes in two forest soils. *Soil Biology and Biochemistry*. In press.

McClaugherty, C.A., J.D. Aber and J.M. Melillo. 1982. The role of fine roots in the organic matter and nitrogen dynamics of two forest ecosystems. *Ecology* 63: 1481-1490.

McClaugherty, C.A., J.D. Aber, and J. Melillo. 1984. Decomposition dynamics of fine roots in forested ecosystems. *Oikos* 42: 378-386.

McKinnon, F.S., G.R. Hyde and A.C. Cline. 1935. Cut-over old field pine lands in central New England: A regional study of the composition and stocking of the ensuing volunteer stands. *Harvard Forest Bulletin No. 18*, 79 pp.

Milburn, J.A. and M.H. Zimmerman. 1986. Sapflow in the sugar maple in the leafless state. *Journal of Plant Physiol.* 124: 331-344.



- Mitchell, H.L. 1934. Pot culture tests of forest soil fertility. Black Rock Forest Bulletin No. 5, 138 pp.
- Mitchell, H.L. 1935. A method for determining the nutrient needs of shade trees with special reference to phosphorus. Black Rock Forest Paper No. 1.
- Mitchell, H.L. 1936. The effect of varied solar radiation upon the growth, development and nutrient content of white pine seedlings grown under nursery conditions. Black Rock Forest Paper No. 4.
- Mitchell, H.L. 1936. Trends in the nitrogen, phosphorus, potassium and calcium content of the leaves of some forest trees during the growing season. Black Rock Forest Paper No. 6.
- Mitchell, H.L. 1939. The growth and nutrition of white pine (*Pinus strobus* L.) seedlings in cultures with varying nitrogen, phosphorus, potassium and calcium, (with observations on the relation of seed weight to seedling yield.). Black Rock Forest Bulletin No. 9, 135 pp.
- Mitchell, H.L. 1939. Preliminary notes on a method for the prevention and control of white grub infestations in nursery soils. Black Rock Forest Paper No. 14.
- Mitchell, H.L. and R.F. Finn. 1935. The relative feeding power of oaks and maples for soil phosphorus. Black Rock Forest Paper No. 2.
- Mitchell, H.L. and N.W. Hosley. 1936. Differential browsing by deer on plots variously fertilized. Black Rock Forest Paper No. 5.
- Mitchell, H.L. and R.F. Chandler, Jr. 1939. The nitrogen nutrition and growth of certain deciduous trees of northeastern United States. Black Forest Bulletin No. 11, 94 pp.
- Mitchell, H.L. and R.O. Rosendahl. 1939. The relationships between cumulative solar radiation and dry weight increase of nursery grown white pine and red pine seedlings. Black Rock Forest Paper No. 13.
- Mitchell, H.L., R.F. Finn and R.O. Rosendahl. 1937. The relation between mycorrhizae and the growth and nutrient absorption of coniferous seedlings in nursery beds. Black Rock Forest Paper No. 10.
- Murison, W.F. 1955. *Fomes annosus* (Fr.) Cke. on Prospect Hill red pine (*P. resinosa* Ait.) plantations in the Harvard Forest. M.F. Thesis, Harvard University.
- Nadelhoffer, K.J., J.D. Aber and J.M. Melillo. 1984. Seasonal patterns of ammonium and nitrate uptake in nine temperate forest ecosystems. *Plant and Soil* 80: 321-335.
- Newbanks, D.A., A. Bosch and M.H. Zimmermann. 1983. Evidence for xylem dysfunction by embolism in Dutch elm disease. *Phytopathology* 73: 1060-1063.
- Newcomb, W., D. Callaham, J.G. Torrey and R.L. Petersen. 1979. Morphogenesis and fine structure of the actinomycetous endophyte of nitrogen-fixing root nodules of *Comptonia peregrina*. *Botanical Gazette* 140: S22-S34.
- Newcomb, W., R.L. Peterson, D. Callaham, and J.G. Torrey. 1978. Structure and host-actinomycete interactions in developing root nodules of *Comptonia peregrina*. *Canadian Journal of Botany* 56: 502-531.
- Norberg, E.A. 1964. Assessment of forest floor fuels at the Black Rock Forest. M.F.S. Thesis, Harvard University, 33 pp.
- O'Regan, W.O. and E.M. Gould, Jr. 1965. Systems, simulation, and forest management. Proceedings, Society of American Foresters Meeting, 1965: 194-198.
- Odum, S. 1978. Dormant seeds at abandoned settlements in Petersham, Massachusetts. In: *Dormant Seeds in Danish Ruderal Soils*. Horsholm Arboretum, Denmark. Pages 245-246.
- Oliver, C.D. 1975. The development of northern red oak (*Quercus rubra* L.) in mixed species, even-age stands in central New England. Ph.D. Thesis, Yale University. 223 pp.



Oliver, C.D. 1978. The development of northern red oak in mixed stands in central New England. Yale School of Forestry and Environmental Studies Bulletin 91, 63 pp.

Oliver, C.D. and E.P. Stephens. 1977. Reconstruction of a mixed-species forest in central New England. Ecology 58: 562-572.

Paillet, F.L. 1988. Character and distribution of American chestnut sprouts in southern New England woodlands. Bulletin of the Torrey Botanical Club 115: 32-44.

Patric, J.H. 1956. The relationship of species distribution to soil moisture in Tom Swamp I, including a detailed survey of old planting areas. M.F. Thesis, Harvard University. 40 pp.

Patric, J.H. 1974. River flow increases in central New England after the hurricane of 1938. Journal of Forestry 72: 21-25.

Patric, J.H. and D.W. Smith. 1975. Forest management and nutrient cycling in eastern hardwoods. USDA Forest Service Research Paper NE-324, 12 pp.

Patric, J.H. and E.M. Gould, Jr. 1976. Shifting land use and the effects on river flow in Massachusetts. Journal American Water Works Association 68: 41-45.

Patric, J.H. and W.H. Lyford. 1980. Soil-water relations at the headwaters of a stream in central New England. Harvard Forest Paper No. 22, 24 pp.

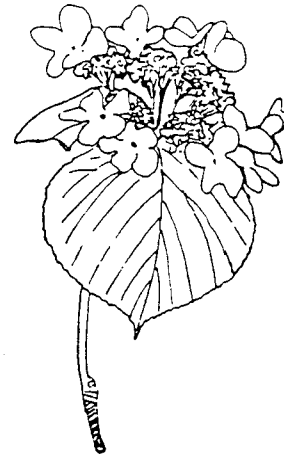
Patterson III, W.A., K.J. Edwards and D.J. Maguire. 1987. Microscopic charcoal as a fossil indicator of fire. Quaternary Science Review 6: 3-23.

Patterson III, W.A. and K.E. Sassman. 1988. Indian fires in the prehistory of New England. In: Holocene Human Ecology in Northeastern North America, G.P. Nichols (ed.). Plenum Publishing, New York. Pages 1-21.

Patton, R.T. 1922. Red oak and white ash: a study of growth and yield. Harvard Forestry Bulletin No. 4, 38 pp.

Pauley, S.S. 1948. Sex and vigor in *Populus*. Science 108: 302-303.

Pauley, S.S. and T.O. Perry. 1954. Ecotypic variation of the photoperiodic response in *Populus*. Journal of the Arnold Arboretum 35: 167-188.



Pauley, S.S., S.H. Spurr and F.W. Whitmore. 1955. Seed source trials of eastern white pine. Forest Science 1: 244-256.

Peirson, H.B. 1921. The life history and control of the Pales weevil (*Hylobius pales*). Harvard Forest Bulletin No. 3, 33 pp.

Peirson, H.B. 1922. Control of white pine weevil by forest management. Harvard Forest Bulletin No. 5, 42 pp.

Perry, T.O. 1971. Dormancy in trees in winter. Science 171: 29-36.

Perry, T.O. 1982. The ecology of tree roots and the practical significance thereof. Journal of Arboriculture 8(8): 197-211.

Petitmermet, M. 1930. Un séjour en Nouvelle Angleterre (Etats-Unis d'Amérique), impressions forestières. Journal Forestier Suisse No. 1 et 2, 14 pp.

Pizzolato, T.D. 1977. Staining of *Tilia* mucilages with Mayer's tannic acid-ferric chloride. Bulletin of the Torrey Botanical Club 104: 277-279.

Pizzolato, T.D. 1978. A tannic acid-ferric chloride-toluidine blue stain for wood amyloplasts embedded in epoxy resin. Forest Science 24: 49-51.

Pope, R.B. 1948. Tests of several types of aerial photo-cruises on a 133-acre area, Slab City X and IX. M.F. Thesis, Harvard University. 131 pp.

Prichard, R.P. and I.W. Bailey. 1916. The significance of certain variations in the anatomical structure of wood. Forestry Quarterly 14: 662-670.

Primack, R.B. 1973. Growth patterns of five species of *Lycopodium*. American Fern Journal 63: 3-7.

- Pritchett, W.L. 1979. Properties and Management of Forest Soils. John Wiley and Sons, New York, 500 pp.
- Rasche, H. 1958. Temperature differences in Harvard Forest and their significance. Harvard Forest Paper No. 4, 153 pp.
- Raup, H.M. 1937. Recent changes of climate and vegetation in southern New England and adjacent New York. *Journal of the Arnold Arboretum* 18(2): 79-117.
- Raup, H.M. 1938. Botanical studies in the Black Rock Forest. *Black Rock Forest Bulletin* No. 7.
- Raup, H.M. 1940. Old field forests of southeastern New England. *Journal of the Arnold Arboretum* 21: 266-273.
- Raup, H.M. 1941. An old forest in Stonington, Connecticut. *Rhodora* 43: 67-71.
- Raup, H.M. 1942. Trends in the development of geographic botany. *Annals of the Association of American Geographers* 32(4): 319-354.
- Raup, H.M. 1947. Some natural floristic areas in boreal America. *Ecological Monographs* 17: 221-234.
- Raup, H.M. 1951. Energy from forests. *Proceedings of the American Academy of Arts and Sciences* 79: 212-220.
- Raup, H.M. 1951. Vegetation and cryoplanation. *The Ohio Journal of Science* 51(3): 105-116.
- Raup, H.M. 1952. Address on forestry. *Nature Outlook* 1: 10-12.
- Raup, H.M. 1954. Soil: a basic resource in wood production. *Newsquarterly & Section Affairs New England Section, Society of American Foresters* 15(2), 7 pp.
- Raup, H.M. 1957. Vegetation adjustment to the instability of the site. In: *Proc. 6th Techn. Meeting Internat. Union Conserv. Nat. & Nat. Resources, Edinburgh 1956*. Pages 36-48.
- Raup, H.M. 1964. Some problems in ecological theory and their relation to conservation. *Journal of Ecology* 52 (Supplement): 19-28.
- Raup, H.M. 1966. The view from John Sanderson's farm: A perspective for the use of the land. *Forest History* 10(1): 2-11.
- Raup, H.M. 1967. American forest biology. *Journal of Forestry* 65: 800-803.
- Raup, H.M. 1979. Beware the conventional wisdom. *Western Wildlands* 5(3): 2-9.
- Raup, H.M. 1981. Physical disturbances in the life of plants. In: Nitecki, M. (ed.). 1981. *Biotic Crises in Ecological and Evolutionary Time*. Academic Press, New York. Pages 39-52.
- Raup, H.M. 1981. Forests in the Here and Now: A Collection of Writings of Hugh Miller Raup, Bullard Professor of Forestry, Emeritus Harvard University. B.B. Stout (ed.), Montana Forest and Conservation Experiment Station, 131 pp.
- Raup, H.M. and R.E. Carlson. 1941. The history of land use in the Harvard Forest. *Harvard Forest Bulletin* No. 20, 64 pp.
- Reed, P.M. 1926. Red pine in central New England. A preliminary study with volume and yield tables. *Harvard Forest Bulletin* No. 9, 23 pp.
- Reuter, U. 1987. Growth patterns of gemmlings of *Lycopodium lucidulum*. *American Fern Journal* 77: 50-57.
- Richardson, A.H. 1920. A report on some of the forest plantations of Massachusetts. M.F. Thesis, Harvard University.
- Ross, P. 1958. Microclimatic and vegetational studies in a cold-wet deciduous forest. *Black Rock Forest Papers* No. 24.
- Rowlands, W. 1939. A study of forest damage caused by the 1938 hurricane in the vicinity of Petersham, Massachusetts. M.F. Thesis, Harvard University. 21 pp.
- Sauter, J.J., W. Iten and M.H. Zimmermann. 1973. Studies on the release of sugar into the vessels of sugar maple (*Acer saccharum*). *Canadian Journal of Botany* 51: 1-8.
- Scholz, H.F. 1931. Physical properties of the cove soils on the Black Rock Forest. *Black Rock Forest Bulletin* No. 2.
- Scholz, H.F. 1937. Diameter outside bark as an index of bark thickness at breast height for red and chestnut oak. *Black Rock Forest Paper* No. 8.



Scholz, H.F. 1937. The effect of soil texture upon the growth of red and chestnut oaks. Black Rock Forest Paper No. 11.

Schulman, R.S. 1974. Some Forest Service policy development problems. M.F.S. Thesis, Harvard University. 114 pp.

Schwintzer, C.R. 1979. Nitrogen fixation by *Myrica gale* root nodules in a Massachusetts wetland. *Oecologia* (Berlin) 53: 293-294.

Schwintzer, C.R. 1983. Nonsymbiotic and symbiotic nitrogen fixation in a weakly minerotrophic peatland. *American Journal of Botany* 60: 1071-1078.

Schwintzer, C.R. and S. Lancelle. 1983. Effect of water-table depth on shoot growth, root growth, and nodulation of *Myrica gale* seedlings. *Journal of Ecology* 71: 489-501.

Schwintzer, C.R., A.M. Berry and J.D. Tjepkema. 1981. Seasonal changes in *Myrica gale* nodules and the *Frankia* sp. endophyte. In: *Current perspectives in Nitrogen Fixation*. A.H. Gibson and W.E. Newton (eds.). Australian Academy of Sciences, Canberra. Page 478.

Schwintzer, C.R., A. Berry, and L. Disney. 1982. Seasonal patterns of root nodule growth, endophyte morphology, nitrogenase activity and shoot development in *Myrica gale* L.. *Canadian Journal of Botany* 60: 746-757.

Scudder, J.H. 1949. A preliminary study of the original forest and succession in central New England. M.F. Thesis, Harvard University. 69 pp.

Sher, S.T. 1977. Crown and stem dimensions of red pine and their relation to volume increment in plantation 28-G, Tom Swamp VIII. M.F.S. Thesis, Harvard University, 74 pp.

Sipe, T.W. 1984. The vascular flora of Petersham, Massachusetts. Mimeographed copy on file, Harvard Forest Archives, 20 pp.

Skene, D.S. 1972. The kinetics of tracheid development in *Tsuga canadensis* Carr. and its relation to tree vigour. *Annals of Botany* 36: 179-187.

Smith Jr., C. Earl 1948. Survey of the Petersham flora. Unpublished manuscript on file, Harvard Forest Archives, 104 pp.

Smith, E.E. 1950. Eastern hemlock and its relationship to the silviculture of the Harvard Forest. M.F. Thesis, Harvard University. 43 pp.

Sorensen, R.F. and B.F. Wilson. 1964. The position of eccentric stem growth and tension wood in leaning red oak trees. Harvard Forest Paper No. 12, 10 pp.

Sovonick, S.A. and M.H. Zimmermann. 1976. Factors affecting phloem exudation in white ash (*Fraxinus americana* L.). *Plant Physiology* 57(Supplement): 77.

Sovonick-Dunford, S., D.R. Lee and M.H. Zimmermann. 1977. Direct measurement of turgor pressure in the phloem of white ash. *Plant Physiology* 59 (Supplement): 126.

Sovonick-Dunford, S., D.R. Lee, and M.H. Zimmermann. 1981. Direct and indirect measurements of phloem turgor pressure in white ash. *Plant Physiology* 68: 121-126.

Spaeth, J.N. 1920. Growth study and normal yield tables for second growth hardwood stands in central New England. Harvard Forest Bulletin No. 2, 21 pp.

- Spaeth, J.N. 1922. Notes on the release of white pine in the Harvard Forest, Petersham, Massachusetts. *Journal of Forestry* 20: 117-121.
- Sperry, J.S. 1982. Observations of reaction fibers in leaves of the dicotyledons. *Journal of the Arnold Arboretum* 63: 173-185.
- Spurr, S.H. 1939. The influence of two *Juniperus* species on soil reaction. *Soil Science* 50(4): 289-294.
- Spurr, S.H. 1944. Forestry at Harvard. Mimeo on file, Harvard Forest Archives, 24 pp.
- Spurr, S.H. 1944. Effect of seed weight and seed origin on the early development of eastern white pine. *Journal of the Arnold Arboretum* 25(4): 467-480.
- Spurr, S.H. 1947. Developments in aerial photography as related to forestry education. *Proceedings Society of American Foresters' Meeting*, 1947: 38-42.
- Spurr, S.H. 1947. Row thinning. *Proceedings Society of American Foresters' Meeting*, 1947: 370-376.
- Spurr, S.H. 1950. Stand composition in the Harvard Forest as influenced by site and forest management. Ph.D. Thesis, Yale University. 294 pp..
- Spurr, S.H. 1956. Natural restocking of forests following the 1938 hurricane in central New England. *Ecology* 37: 443-451.
- Spurr, S.H. 1956. Plantation success in the Harvard Forest as related to planting site and cleaning, 1907-1947. *Journal of Forestry* 54(9): 577-579.
- Spurr, S.H. 1956. Forest associations in the Harvard Forest. *Ecological Monographs* 26: 245-262.
- Spurr, S.H. 1957. Local climate in the Harvard Forest. *Ecology* 38: 37-46.
- Spurr, S.H. and A.C. Cline. 1942. Ecological forestry in central New England. *Journal of Forestry* 40(5): 418-420.
- Spurr, S.H. and R.B. Friend. 1941. Compression wood in weeviled northern white pine. *Journal of Forestry* 39(12): 1005-1006.
- Steel, F.R. 1911. Lumber flumes. *Harvard Forestry Club Bulletin* 1: 31-35.
- Stephens, E.P. 1955. Research in the biological aspects of forest production. *Journal of Forestry* 53: 183-186.
- Stephens, E.P. 1955. The historical-developmental method of determining forest trends. Ph.D. Thesis, Harvard University. 228 pp..
- Stephens, E.P. 1956. The uprooting of trees: a forest process. *Proceedings of the Soil Science Society of America* 20: 113-116.
- Stephens, E.P. and S.H. Spurr. 1947. The immediate response of red pine to thinning and pruning. *Proceedings Society of American Foresters' Meeting*, 1947: 353-369.
- Stillman, C.W. 1949. Economic relations of the Black Rock Forest. *Black Rock Forest Papers* No. 23.
- Stillman, C.W. 1966. The issues in the Storm King controversy. *Black Rock Forest Papers* No. 27.
- Stillman, C.W. 1966. The price of open space--the need for research. *Black Rock Forest Papers* No. 28.
- Stone, E.L. 1975. Effects of species on nutrient cycles and soil change. *Phil. Trans. R. Soc. Lond. B.* 271: 149-162.
- Stout, B.B. 1952. Species distribution and soils in the Harvard Forest. *Harvard Forest Bulletin* 24, 29 pp.
- Stout, B.B. 1957. Studies of the root systems of deciduous trees. *Black Rock Forest Bulletin* No. 15.
- Stout, B.B. 1959. Supplemental irrigation of 75-year-old hardwoods. *Black Rock Forest Papers* No. 25.
- Stout, B.B. (ed.). 1981. *Forests in the Here and Now, A Collection of Writings of Hugh Miller Raup, Bullard Professor of Forestry, Emeritus, Harvard University.* Published by the Montana Forest and Conservation Experiment Station, School of Forestry, University of Montana, 131 pp.
- Stransky, J.J. 1953. A reconnaissance survey of the distribution of native spruces in the Harvard Forest and the surrounding 9 quadrangles. M.F. Thesis, Harvard University. 60 pp.
- Swain, L.C. 1938. The effect of frost on the establishment of white ash in plantations. M.F. Thesis, Harvard University. 43 pp.



Swan, J.M.A. 1970. An examination of some ordination problems by use of simulated vegetation data. *Ecology* 51: 89-102.

Swan, J.M.A. and A.M. Gill. 1970. The origins, spread, and consolidation of a floating bog in Harvard Pond, Petersham, Massachusetts. *Ecology* 51: 829-840.

Swan, J.M.A., R.L. Dix, and C.F. Wehrhahn. 1969. An ordination technique based on the best possible stand-defined axes and its application to vegetational analysis. *Ecology* 50: 206-212.

Tarbox, E.E. 1924. Quality and growth of white pine, as influenced by density, site and associated species. *Harvard Forest Bulletin* No. 7, 30 pp.

Terry, E.I. 1913. The art of pacing. *Harvard Forestry Club Bulletin* 2: 34-37.

Terry, E.I. 1920. The regeneration of white pine following four cutting regimes in central New England. M.F. Thesis, Harvard University. 130 pp.

Tjepkema, J. 1978. The role of oxygen diffusion from the shoots and nodule roots in nitrogen fixation by root nodules of *Myrica gale*. *Canadian Journal of Botany* 56: 1365-1371.

Tjepkema, J.D. 1979. Nitrogen fixation in forests of central Massachusetts. *Canadian Journal of Botany* 57: 11-16.

Tjepkema, J.D. 1983. Oxygen concentration within the nitrogen-fixing root nodules of *Myrica gale* L.. *American Journal of Botany* 70: 59-63.

Tjepkema, J.D. and L.J. Winship. 1980. Energy requirement for nitrogen fixation in actinorhizal and legume root nodules. *Science* 209: 279-281.

Tomlin, C.D. 1983. Digital cartographic modeling techniques in environmental planning. Ph.D., Yale University.

Tomlin, C.D. 1985. A map algebra. In: *Selected Proceedings of the Harvard Computer Graphics Conference, Harvard Graduate School of Design, vol. II.*

Tomlin, C.D. 1986. MAP on a micro. In: *Proceedings of the Landscape/Land Use Planning Committee of the American Society of Landscape Architects.* Pages 66-71.

Tomlin, C.D. and J.K. Berry. 1979. A mathematical structure for cartographic modeling in environmental analysis. In: *Proceedings of the Annual Meeting of the American Congress on Surveying and Mapping and the American Society of Photogrammetry, 1979: 269-283.*

Tomlin, C.D. and J.K. Berry. 1980. An academic approach to cartographic modeling in the management of natural resources. In: *Urban, Regional, and State Government Applications of Computer Mapping, Library of Computer Graphics, Harvard Graduate School of Design.* Pages 13-22.

Tomlin, C.D. and J.S. Lakey. 1987. Two cartographic distance weight interpolation algorithms. In: *Proceedings of the First Latin American Conference on Computers in Geography.* Pages 627-646.

Tomlin, C.D. and K. Johnston. 1988. Land use allocation with a geographic information system. In: *Proceedings of the Annual Meeting of the American Congress on Surveying and Mapping and the American Society of Photogrammetry.* Pages 23-34.

Tomlin, C.D. and K. Johnston. 1988. ORPHEUS: an integration. In: *Proceedings of the Annual Meeting of the American Congress on Surveying and Mapping and the American Society of Photogrammetry.* Pages 11-22.

Tomlin, C.D. and S.M. Tomlin. 1981. An overlay mapping language. In: *Proceedings of the Annual Meeting of the American Society of Landscape Architects, 1981: 155-164.*

- Tomlin, C.D. and S.M. Tomlin. 1982. Computer-assisted spatial allocation of timber harvesting activity. In: Proceedings of the Fifth Annual Auto-Carto Conference, American Congress on Surveying and Mapping.
- Tomlin, C.D., J.K. Berry and S.M. Tomlin. 1981. Fundamental overlay mapping techniques. In: In-Place Resource Inventories: Principles and Practices, Society of American Foresters. Pages 470-481.
- Tomlin, C.D., S.H. Berwick and S.M. Tomlin. 1983. Cartographic analysis of deer habitat utilization. In: Computer Graphics and Environmental Planning. Prentice-Hall, Englewood Cliffs, New Jersey. Pages 141-150.
- Tomlinson, P.B. 1973. The monocotyledons: their evolution and comparative biology. VIII. Branching in monocotyledons. The Quarterly Review of Biology 48(3): 458-466.
- Tomlinson, P.B. 1974. Breeding mechanisms in trees native to tropical Florida - a morphological assessment. Journal of the Arnold Arboretum 55: 269-290.
- Tomlinson, P.B. 1977. Plant morphology and anatomy in the tropics - the need for integrated approaches. Annales of the Missouri Botanical Garden 64: 685-693.
- Tomlinson, P.B. 1978. Branching and differentiation in tropical trees. In: Tropical Trees as Living Systems. P.B. Tomlinson and M.H. Zimmermann (eds.). Cambridge University Press, Cambridge, England. Pages 187-207.
- Tomlinson, P.B. 1978. Some qualitative and quantitative aspects of New Zealand divaricating shrubs. New Zealand Journal of Botany 16: 299-309.
- Tomlinson, P.B. 1979. Juvenilite des plantes ligneuses en Nouvelle-Zelandre. Les Formes Juveniles des Spermaphytes. Bull. Soc. Bot. Fr. 126, Actual bot. No.3. Pages 151-154.
- Tomlinson, P.B. 1979. Juvenilite et neotenie chez les monocotyledones. Les Formes Juveniles des Spermaphytes. Bull. Soc. Bot. Fr. 126, Actual bot. No.3. Pages 227-232.
- Tomlinson, P.B. 1980. The Biology of Trees Native to Tropical Florida. 480 pp. (including 166 pages of illustration). Printed privately.
- Tomlinson, P.B. 1982. Chance and design in the construction of plants. In: Axioms and Principles of Plant Construction. Rolf Sattler (ed.). Acta Biotheoretica. Volume 31A. Martinus Nijhoff/ Dr. W. Junk. The Hague/Boston, London. Pages 162-183.
- Tomlinson, P.B. 1983. Tree architecture. American Scientist 71: 141-149.
- Tomlinson, P.B. 1987. Branching is a process, not a concept. Taxon 36: 54-57.
- Tomlinson, P.B. and M.H. Zimmermann. 1969. Vascular anatomy of monocotyledons with secondary growth--An introduction. Journal of the Arnold Arboretum 50(2): 159-179.
- Tomlinson, P.B. and M.H. Zimmermann (eds.). 1977. Tropical Trees as Living Systems. Proceedings of the 4th Cabot Symposium at the Harvard Forest. Cambridge University Press, Cambridge, England. 675 pp.
- Tomlinson, P.B. and K.A. Longman. 1981. Growth phenology of tropical trees in relation to cambial activity. In: Age and Growth Rate of Tropical Trees. F.H. Bormann and G. Berlyn (eds.). Yale Forestry Bulletin No. 94. Pages 7-19.
- Torrey, J.G. 1973. Hormonal regulation of plant growth and morphogenesis. Science 181: 1075-1076.
- Torrey, J.G. 1976. Root hormones and plant growth. Annual Review of Plant Physiology 27: 435-459.
- Torrey, J.G. 1978. Nitrogen fixation by actinomycete-nodulated angiosperms. Bioscience 28: 586-592.
- Torrey, J.G. and D.A. Phillips. 1974. Hormonal interactions between root and shoot: the root as a site of hormone synthesis. In: II International Symposium Potsdam, Ecology and Physiology of Root Growth. G. Hoffman (ed.). Akademie-Verlag, Berlin, GDR. Pages 17-23.
- Torrey, J.G. and D.T. Clarkson (eds.). 1975. The Development and Function of Roots. Academic Press, London. 618 pp.
- Torrey, J.G. and D. Callahan. 1978. Determinate development of nodule roots in actinomycete-induced root nodules of Myrica gale. Canadian Journal of Botany 56: 1357-1364.



Torrey, J.G. and D.Callaham. 1979. Early nodule development in *Myrica gale*. *Botanical Gazette* 140(Suppl.): S10-S14.

Torrey, J.G. and J.D. Tjepkema. 1979. Symbiotic nitrogen fixation in actinomycete-nodulated plants. *Botanical Gazette* 140: i-ii (Preface).

Torrey, J.G. and L.J. Feldman. 1977. The organization and function of the root apex. *American Scientist* 65: 334-344.

Torrey, J.G. and W.D. Wallace. 1975. Further studies on primary vascular tissue pattern formation in roots. In: *The Development and Function of Roots*. J.G. Torrey and D.T. Clarkson (eds.). Academic Press, London. Pages 91-103.

Torrey, J.G., D. Baker, D. Callaham, P. Del Tredici, W. Newcomb, R.L. Peterson and J.D. Tjepkema. 1980. On the nature of the endophyte causing root nodulation in *Comptonia*. In: *Nitrogen Fixation Vol. II. Symbiotic Associations and Cyanobacter*. W.E. Newton and W.H. Orme-Johnson (eds.). University Press, Baltimore. Pages 217-227.

Torrey, J.G., D.E. Fosket and P.K. Hepler. 1971. Xylem formation: a paradigm of cytodifferentiation in higher plants. *American Scientist* 59: 338-352.

Troedsson, T. and W.H. Lyford. 1973. Biological disturbance and small scale spatial variations in a forested soil near Garpenberg, Sweden. *Studia Forestalia Suecica* 109: 1-23.

Trow, G.W.W. 1984. *Annals of discourse: the Harvard Black Rock Forest. The New Yorker*, Vol. 60 (June 11, 1984 issue): 44-99.

Tryon, H.H. 1930. *The Black Rock Forest. Black Rock Forest Bulletin* No. 1.

Tryon, H.H. 1932. A study of several coniferous underplantings in the upper Hudson highlands. *Black Rock Forest Bulletin* No. 3.

Tryon, H.H. 1933. A portable charcoal kiln. *Black Rock Forest Bulletin* No. 4.

Tryon, H.H. 1938. Hardwood brush disposal in the Hudson Highlands. *Black Rock Forest Paper* No. 12.

Tryon, H.H. 1939. Progress Report: 1928-1938. *Black Rock Bulletin* No. 10.

Tryon, H.H. 1939. A high-duty woodsaw. *Black Rock Forest Papers* 15.

Tryon, H.H. 1943. Practical forestry in the Hudson highlands. *Black Rock Forest Bulletin* No. 12.

Tryon, H.H. 1945. The management of young volunteer hardwood stands. *Black Rock Forest Bulletin* No. 13.

Tryon, H.H. and R.F. Finn. 1935. A chestnut oak volume table for the Hudson highland region. *Black Rock Forest Paper* No. 3.

Tryon, H.H. and R.F. Finn. 1937. Cordwood volume tables for red oak and red maple in the Hudson highlands. *Black Rock Forest Paper* No. 7.

Tryon, H.H. and R.F. Finn. 1942. Tests of chemical control of hardwood sprouts. *Black Rock Forest Papers* No. 18.

Tryon, H.H. and R.F. Finn. 1942. Improvement cuttings in mixed hardwoods. *Black Rock Forest Papers* No. 20.

Tryon, H.H. and R.F. Finn. 1947. On obtaining natural hardwood regeneration. *Black Rock Forest Papers* No. 22.

Tryon, H.H. and R.F. Finn. 1949. Twenty-year progress report. *Black Rock Forest Bulletin* No. 14.

Turberville, H.W. 1936. Winter habits of the ruffed grouse in Petersham. M.F. Thesis, Harvard University. 28 pp.

Tyree, M.T. and M.H. Zimmermann. 1971. The theory and practice of measuring transport coefficients and sap flow in the xylem of red maple stems (*Acer rubrum*). *Journal of Experimental Botany* 22: 1-18.

Tryon, H.H. and R.F. Finn. 1937. Notes on the terminal growth of coniferous plantations in the Hudson Highlands. Black Rock Forest Paper No. 9.

VandenBosch, K.A. and J.G. Torrey. 1985. Development of endophytic Frankia sporangia in field- and laboratory-grown nodules of *Comptonia peregrina* and *Myrica gale*. *American Journal of Botany* 72: 99-108.

VandenBosch, K.A. and J.G. Torrey. 1985. Consequences of sporangial development for nodule function in root nodules of *Comptonia peregrina* and *Myrica gale*. *Plant Physiology* 76: 556-560.

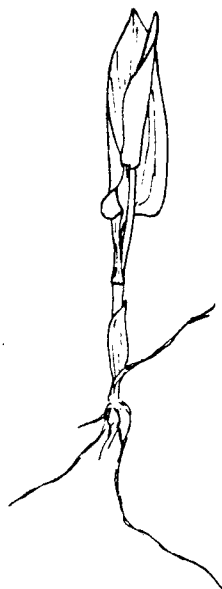
Vitousek, P.M., J.R. Gosz, C.C. Grier, J.M. Melillo, W.A. Reiners and R.L. Todd. 1979. Nitrate losses from disturbed ecosystems. *Science* 204: 469-474.

Vitousek, P.M., J.R. Gosz, C.C. Grier, J.M. Melillo and W.A. Reiners. 1982. A comparative analysis of potential nitrification and nitrate mobility in forest ecosystems. *Ecological Monographs* 52(2): 155-177.

Walker, B.H. 1974. Some problems arising from the preliminary manipulation of plant ecological data for subsequent numerical analysis. *Journal of South African Botany* 40: 1-13.

Walker, B.H. 1975. Vegetation-site characteristics in the Harvard Forest. *Vegetatio* 29: 169-178.

Walton, G.S. 1964. A study to develop a computer program for forest management simulation. M.F.S. Thesis, Harvard University. 86 pp.



White, J. 1974. Dynamics of forest tree populations. *Bulletin of the Canadian Botanical Association* 7: 10-11.

White, J. 1979. Demographic factors in populations of plants. In: *Demography and Dynamics of Plant Populations*. O.T. Solbrig (ed.), Blackwells, Oxford. Pages 21-48.

White, J. 1985. The thinning rule and its application to mixtures of plant populations. In: *Studies on Plant Demography: A Festschrift for John L. Harper*. James White (ed.). Academic Press, London. Pages 291-309.

Whitney, G.G. and D.R. Foster. 1988. Overstorey composition and age as determinants of the understorey flora of woods of central New England. *Journal of Ecology* 76: 867-876.

Willhite, R.G. 1973. New England attitudes and perceptions towards some aspects of forest management: the results of a questionnaire. M.F.S. Thesis, Harvard University. 113 pp.

Wilson, B.F. 1957. A study of shake in eastern hemlock. M.F. Thesis, Harvard University, 29 pp.

Wilson, B.F. 1967. Root growth around barriers. *Botanical Gazette* 128: 79-82.

Wilson, B.F. 1968. Effect of girdling on cambial activity in white pine. *Canadian Journal of Botany* 46: 141-146.

Wilson, B.F. 1968. Red maple stump sprouts: development the first year. *Harvard Forest Paper No. 18*, 10 pp.

Wilson, B.F. and R.A. Howard. 1968. A computer model for cambial activity. *Forest Science* 14: 77-90.

Wilson, B.F., D.E. Hibbs and B.C. Fisher. 1979. Seed dormancy in striped maple. *Canadian Journal of Forest Research* 9: 263-266.

Wilson, Brayton F. 1964. Structure and growth of wood roots of *Acer rubrum* L.. *Harvard Forest Paper No. 11*, 14 pp.

Wilson, Brayton F. 1966. Development of the shoot system of *Acer rubrum* L.. *Harvard Forest Paper No. 14*, 21 pp.

- Wilson, Brayton. 1962. A Survey of the incidence of ring shake in Eastern Hemlock. Harvard Forest Paper No. 5, 11 pp.
- Wright, J.W. 1939. A study of branching in white ash with particular reference to the habit of branching. M.F. Thesis, Harvard University. 26 pp.
- Wright, J.W. 1944. Genotypic variation in white ash. *Journal of Forestry* 42(7): 489-495.
- Wright, J.W. 1945. Influence of size and portion of cone on seed weight in eastern white pine. *Journal of Forestry* 43: 817-819.
- Zamski, E. and M.H. Zimmermann. 1979. Sieve-tube longevity in white ash (*Fraxinus americana*) studied with a new histochemical test for the identification of sugar. *Canadian Journal of Botany* 57: 650-656.
- Zeide, B. 1978. Standardization of growth curves. *Journal of Forestry* 76: 289-292.
- Zimmermann, M.H. 1963. Sap movements in trees. In: Proceedings of the 4th International Congress on Rheology, Vol. 4, Symposium on Biorheology. A.L. Copley (ed.). Interscience Publisher, New York, 1965. Pages 201-202.
- Zimmermann, M.H. 1974. Long distance transport. *Plant Physiology* 54: 472-479.
- Zimmermann, M.H. 1976. The study of vascular patterns in higher plants. In: Transport and Transfer Processes in Plants. I.F. Wardlaw and J.B. Passioura (eds.). Academic Press, New York. Pages 221-235.
- Zimmermann, M.H. 1977. The Harvard Forest. In: Usefulness of an Experimental Forest for Research and Teaching. Symposium at Monmorency Forest. Faculty of Forestry and Gmodesy, Laval University, Quebec, Canada. Pages 42-49.
- Zimmermann, M.H. 1978. Vessel ends and the disruption of water flow in plants. *Phytopathology* 68: 253-255.
- Zimmermann, M.H. 1978. Structural requirements for optimal water conduction in tree stems. In: Tropical Trees as Living Systems. P.B. Tomlinson and M.H. Zimmermann (eds.). Cambridge University Press, Cambridge, England. Pages 517-532.
- Zimmermann, M.H. 1978. Hydraulic architecture of some diffuse-porous trees. *Canadian Journal of Botany* 56: 2286-2295.
- Zimmermann, M.H. 1983. Xylem structure and the ascent of sap. Springer-Verlag, Berlin, Heidelberg, Tokyo, New York, 143 pp.
- Zimmermann, M.H. and C.L. Brown (with a chapter by M.T. Tyree). 1971. Trees: Structure and Function. Springer-Verlag, New York-Heidelberg-Berlin. 336 pp.
- Zimmermann, M.H. and P.B. Tomlinson. 1972. The vascular system of monocotyledonous stems. *Botanical Gazette* 133: 141-155.
- Zimmermann, M.H. and C.L. Brown. 1975. Trees: Structure and Function. Springer-Verlag, New York (Second Printing). 339 pp.
- Zimmermann, M.H. and J.A. Milburn (eds.). 1975. Transport in Plants. I. Phloem Transport. *Encyclopedia of Plant Physiology*, N.S. Vol. 1. Springer-Verlag, New York. 535 pp.
- Zimmermann, M.H. and H. Ziegler. 1975. Lists of sugars and sugar alcohols in sieve-tube exudates. In: Transport in Plants. I. Phloem Transport. *Encyclopedia of Plant Physiology*, N.S. Volume 1. M.H. Zimmermann and J.A. Milburn (eds.). Springer-Verlag, New York. Pages 480-503.
- Zimmermann, M.H. and J. McDonough. 1978. Dysfunction in the flow of food. In: Plant Disease: An Advanced Treatise. Volume 3. J.G. Horsfall and E.B. Cowling (eds.). Academic Press, New York. Pages 117-140.
- Zimmermann, M.H. and D. Potter. 1982. Vessel-length distribution in branches, stem and roots of *Acer rubrum* L.. *IAWA Bulletin* 3: 103-109.
- Zimmermann, M.H. and J.A. Milburn. 1982. Transport and storage of water. In: Physiological Plant Ecology II, Water Relations and Carbon Assimilation. O.L. Lange, P.S. Nobel, C.B. Osmond and H. Ziegler (eds.). (Encyclopedia of Plant Physiology, New Series, Vol. 12B). Springer-Verlag, Berlin, Heidelberg, New York. Pages 135-151.
- Zimmermann, Martin H. 1960. Absorption and translocation: transport in the phloem. *Annual Review of Plant Physiology* 11: 167-190.

Zimmermann, Martin H. 1963. How sap moves in trees. *Scientific American* 208(3): 133-142.

Zobel, R., P. Del Tredici, and J.G. Torrey. 1976. A method of growing plants aeroponically. *Plant Physiology* 57: 344-346.



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1947. Developments in aerial photography as related to
1983. Digital cartographic modeling techniques in envi
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1937. Recent changes of climate and vegetation in sout
1981. Forests in the Here and Now: A Collection of Wri
1958. Microclimatic and vegetational studies in a cold
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1981. Forests in the Here and Now, A Collection of Wri
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1985. Fine root turnover in forest ecosystems in relat
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1942. The comparative influence of leaf mould and inor
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1978. Nitrogen fixation associated with Scirpus atrovi
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1982. The role of fine roots in the organic matter and
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1984. The vascular flora of Petersham, Massachusetts
1948. Survey of the Petersham flora

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- Altpeter, L.S.
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1937. A history of the forests of Cape Cod
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1980. Adaptive architecture in rhizomatous plants
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1976. On the germination of seeds of *Comptonia peregri*
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1968. The Pisgah Forest: 300 years of change
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1968. Buried viable seed in successional field and for
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FOREST ECONOMICS, EDUCATION, MANAGEMENT, AND POLICY (cont.)

- Gould Jr., E.M. 1975. Wilderness: what are the opportunities?
 Gould Jr., E.M. 1975. The plan is to act
 Gould Jr., E.M. 1975. The search for parity
 Gould Jr., E.M. 1976. Miscellaneous owners: expectations and realities
 Gould Jr., E.M. 1977. Harvard Forest management game
 Gould Jr., E.M. 1978. Wanted: high-satisfaction forestry
 Gould Jr., E.M. 1979. Report of the Massachusetts Forestry Program Rev
 Gould Jr., E.M. 1980. Economic prospects of private forest owners
 Gould Jr., E.M. 1980. New England forestry round the bend
 Gould Jr., E.M. 1981. The past and future of New England forests
 Gould Jr., E.M. 1983. The woodlot
 Gould Jr., E.M. 1984. Culture and guides to action
 Gould Jr., E.M. 1984. Even-flow sustained yield is antisocial
 Gould Jr., E.M. 1984. Fee or free, fight or flight
 Gould Jr., E.M. 1984. Riding the winds of change in Maine's forests
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 Gould Jr., E.M. 1971. Values, trees and the urban realm
 Gould Jr., E.M. 1983. The planning process today - its strengths and w
 Gould Jr., E.M. and W.G. O'Regan. 1965. Simulation: A step toward better forest plannin
 Hagenstein, P.R. 1971. Multiple use and environmental decisions on publ
 Hick, R.M. 1927. Influence of land, history and legislative enact
 Johden, A.J. 1949. Preliminary investigation of the utilization of
 Karnig, J.J. 1966. Recreation use within the Harvard Black Rock For
 Marcus, L.F., E.M. Gould, Jr., and R. 1961. Measuring the recreation use of national forests
 O'Regan, W.O. and E.M. Gould, Jr. 1965. Systems, simulation, and forest management
 Raup, H.M. 1966. The view from John Sanderson's farm: A perspect
 Raup, H.M. 1979. Beware the conventional wisdom
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 Schulman, R.S. 1974. Some Forest Service policy development problems
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 Stillman, C.W. 1966. The issues in the Storm King controversy
 Stillman, C.W. 1966. The price of open space--the need for research
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- Clark, M.S. 1955. Local phenotypic variation in red maple
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- Cook, H.O. 1913. Some original data on waterflow and forests
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1939. Progress Report: 1928-1938
1949. Twenty-year progress report
1978. Dysfunction in the flow of food

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- Allen, A.E.
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 Cline, A.C.
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 Cline, A.C.
 Cline, A.C.
 Cline, A.C.
 Cline, A.C.
 Cline, A.C.
 Cline, A.C.
 Cline, A.C.
 Cline, A.C. and E.D. Fletcher.
 Cline, A.C. and H.J. MacAloney.
 Cline, A.C. and H.J. MacAloney.
 Cline, A.C. and H.J. MacAloney.
 Cline, A.C. et al.
 Cline, A.C., C.E. Behre and W.L. Bak
 Cline, A.C., S.F. Potts and H.L. McI
 Cline, A.C. and C.R. Lockard.
 1921. Factors controlling the quality of the second-gr
 1926. The relation of white pine slash to the developm
 1937. A history of the forests of Cape Cod
 1924. Catalog of representative operations on the Harv
 1932. The Harvard Forest fire study, conducted by C.C.
 1936. Summary of research and other activities at the
 1939. Soils and Forest Conference, June 5-8, 1939, Har
 1944. Cases in silvicultural history, Harvard Forest,
 1954. The Harvard conference on forest production
 1954. Progress report on the chemical control of hardw
 1975. The Harvard Forest Models
 1944. The University - Harvard's botanical empire
 1933. Some factors underlying forest fire insurance in
 1923. A statistical forest survey of seven towns in ce
 1913. The preservative treatment of wood
 1917. The role of the microscope in the identification
 1914. Graded volume tables for Vermont hardwoods
 1941. Natural restocking of hurricane damaged old fiel
 1932. A complete survey of the Harvard Forest plantati
 1986. The light environment of red oak and white pine
 1950. An investigation into the financial aspects of s
 1913. A volume table for red maple on the Harvard Fore
 1906. Unprofessional forestry
 1908. Influence of lumbering upon forestry
 1909. A Manual for Northern Woodsmen
 1949. An investigation of the uses, grades, and market
 1924. The group selection method with white pine
 1924. Pure white pine versus pine in mixtures
 1925. The marketing of lumber in New Hampshire
 1925. Lumber consumption in the Springfield district
 1929. Forest weeding
 1930. Forest people: the Walker Forest at Greenwich Vi
 1931. The William H. Walker Forest and wood-using indu
 1934. Weeding the farm woodlot
 1935. Improvement cutting and thinning as applied to c
 1936. The Harvard Forest models
 1936. Opportunities for profit in New England forestry
 1936. The Harvard Forest at Petersham, Massachusetts
 1936. The forest models
 1937. A new outlook for the woodlot owner
 1937. Silvicultural aids in the control of the gypsy m
 1938. Sustained yield management and its theory
 1938. A sounder basis for woodlot forestry
 1939. The restoration of watershed forests in the hurr
 1939. The hurricane area of New England: a problem in
 1939. Our forests and the hurricane
 1941. Forestry should begin with the forest
 1941. The Harvard Forest models. Revised and rewritten
 1943. Lumber and the war
 1943. Review of Roy L. Robinson's article, some ecolog
 1944. Review of Henry H. Tyron's practical forestry in
 1928. Pruning for profit as applied to eastern white p
 1931. A method of reclaiming severely weeviled white p
 1933. The improvement of weeviled white pine plantatio
 1935. Progress report of the reclamation of severely w
 1941. Report of Committee on Silviculture, New England
 1936. Silvicultural control of the gypsy moth
 1942. The white pine weevil and its control by the app
 1925. Mixed white pine and hardwood

FORESTRY (cont.)

- Cook, H.O.
Cook, H.O. and R.T. Fisher.
Curtis, J.D.
Curtis, J.D.
Curtis, J.D.
Curtis, J.D.
Downs, J.B.
Edmonds, W.D.
Edmonds, W.D.
Finn, R.F.
Finn, R.F.
Finn, R.F. and H.H. Tryon.
Fisher Memorial Committee.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
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Fisher, R.T.
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Fisher, R.T.
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Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T. and E.I. Terry.
Forbes, R.H. (compiler).
Gast, P.R.
Gast, P.R.
Gast, P.R. and P.W. Stickle.
Gevorkiantz, S.R. and N.W. Hosley.
Gill, C.E., L. Prahar and R.A. Yoder
Goodlett, J.C.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
1911. A forest fire wagon for Massachusetts towns
1921. Forest mensuration
1934. A study of artificial pruning in white pine plan
1936. A method of pruning dead branches
1937. An historical review of artificial forest prunin
1937. Artificial forest pruning: with special referenc
1928. The wood-using industries of Massachusetts
1945. Timber cruising with aerial photographs
1946. The Harvard Forest
1942. Notes on the resampling of certain fertilized pl
1943. The leaching of some plant nutrients following t
1942. The comparative influence of leaf mould and inor
1935. The Harvard Forest 1907-1934: A memorial to its
1910. Methods of instruction in the forest school
1911. An account of operations in the Harvard Forest,
1912. Forestry
1916. Some unwritten records of the Harvard Forest
1918. Second-growth white pine as related to the forme
1918. The yield of volunteer second growth as affected
1918. Silviculture for country roadsides
1920. The Harvard Forest at Petersham
1921. The management of the Harvard Forest, 1909-1919
1922. Note on the measurement of growth for large regi
1925. Descent of the white pine woodlot
1925. Marketing Massachusetts forest products
1925. The new policy for the Society
1925. A note on Harvard Forest silviculture
1926. Lumber consumption in the Springfield district
1926. General marketing conditions in New Hampshire
1928. Pine plantations and New England forestry
1928. Prospects for utilization of land for timber in
1929. The Harvard Forest
1931. The Harvard Forest as a demonstration tract
1933. New England forests: biological factors
1934. Abandoned farms and pine woodlots
1903. Forestry at Harvard
1903. Forestry for southern New England woodlots
1920. The management of second growth white pine in ce
1985. Richard Thornton Fisher - 1876-1934, Director of
1927. Insolation and silvics with reference to studies
1930. A thermoelectric radiometer for silvical researc
1929. Solar radiation and relative humidity in relatio
1929. Form and development of white pine stands in rel
1942. A silvicultural study and management plan for To
1960. The development of site concepts at the Harvard
1950. Economic problems of managing small woodland hol
1957. The Harvard Forest prism holder for point sampli
1960. Fifty years of management at the Harvard Forest
1962. Forestry and recreation
1964. Conservation and sustained yield
1964. The future of forests in society
1965. Forest and water system problems
1966. Forestry and the urban realm
1967. Simulation and forestry
1968. Planning for forest development on small holding
1969. Scholars in the forest
1971. The Harvard Forest: a window on the world
1972. Toward a new forest decision model
1973. How is forestry shaping up, futurewise?
1973. Future expectations
1973. Clearcutting and economics
1975. The plan is to act

FORESTRY (cont.)

- Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M.
 Gould Jr., E.M. and C.H. Reidel.
 Gould, H.F.
 Grossenbacher, K.A.
 Hale, W.F.
 Hammett, R.F.
 Harrington, C.A. and J.J. Karnig.
 Harvard Forestry Club.
 Harvard Forestry Club.
 Herr, C.S.
 Hibbs, D.E.
 Hibbs, D.E., B.F. Wilson and B.C. Fi
 Hick, R.M.
 Hill, M.
 Hoisington, R.E.
 Holsoe, T.
 Holsoe, T.
 Holsoe, T.
 Hosley, N.W.
 Hosley, N.W.
 Hosmer, R.S.
 Howard, W.G.
 Hunt, S.S.
 Jabbar, S.A.
 Johden, A.J.
 Karnig, J.J.
 Karnig, J.J. and B.B. Stout.
 Karnig, J.J. and W.H. Lyford.
 Kelty, M.J.
 Kelty, M.J.
 Kelty, M.J. and E.M. Gould, Jr.
 Kimball, G.W. and E.E. Carter.
 Lewis, A.M.
 Lorimer, C.G.
 Lorimer, C.G.
 Lorimer, C.G.
 Lorimer, C.G. and A.G. Krug.
 Lutz, R.J. and A.C. Cline.
 Lutz, R.J. and A.C. Cline.
 MacAloney, H.J. and N.W. Hosley.
 Marshall, R.
 McKinnon, F.S., G.R. Hyde and A.C. C
 Mitchell, H.L.
 Mitchell, H.L.
 Mitchell, H.L.
 Mitchell, H.L.
 Mitchell, H.L.
 Mitchell, H.L.
 Mitchell, H.L. and R.F. Finn.
 Mitchell, H.L. and N.W. Hosley.
 Mitchell, H.L. and R.F. Chandler, Jr
 Mitchell, H.L. and R.O. Rosendahl.
 Mitchell, H.L., R.F. Finn and R.O. R
 Murison, W.F.
 Norberg, E.A.
 1978. Wanted: high-satisfaction forestry
 1979. Report of the Massachusetts Forestry Program Rev
 1980. New England forestry round the bend
 1983. The woodlot
 1984. Even-flow sustained yield is antisocial
 1985. Managing a small woodlot
 1986. Where have all the forests gone? Long time pass
 1970. Forestry in Massachusetts
 1979. The Yankee forest
 1911. Some preliminary investigations concerning the r
 1945. An apparatus to maintain a surface film of water
 1910. Disposal of slash on cut-over white pine areas i
 1913. Fire protection
 1975. Growth increase after moderate thinning in a 70-
 1911. Bulletin of the Harvard Forestry Club, Volume I
 1913. Bulletin of the Harvard Forestry Club, Volume II
 1930. The regrowth of hardwood sprouts resulting from
 1981. Development of the forest canopy - a key to silv
 1979. Striped maple: a silvicultural problem with a so
 1927. Influence of land, history and legislative enact
 1948. A comparative study of aerial photographs for fo
 1950. A silvicultural plan for the management of red o
 1933. Management of red oak and white ash with special
 1947. The relation of tree development to the timing o
 1948. Crown development and basal area growth of red o
 1928. A preliminary study of borer damage in stacked w
 1936. Norway spruce in the northeastern United States:
 1934. Richard Thornton Fisher
 1912. Land surveying in forestry
 1931. European larch in the northeastern United States
 1963. The anatomy of healing of pruned stubs in Norway
 1949. Preliminary investigation of the utilization of
 1972. Nitrogen fertilizer increases diameter growth of
 1969. Diameter growth of northern red oak following un
 1968. Oak mortality and drought in the Hudson Highland
 1984. The development and productivity of hemlock-hard
 1986. Development patterns in two hemlock-hardwood sta
 1987. Effects of understory removal in hardwood stands
 1913. Influence of shade and other factors on plantati
 1982. Vascular connections between roots and shoots of
 1981. Survival and growth of understory trees in oak f
 1983. A test of the accuracy of shade-tolerant classif
 1984. Development of the red maple understory in north
 1983. Diameter distributions in even-aged stands of sh
 1947. Results of the first thirty years of experimenta
 1956. Results of the first thirty years of experimenta
 1934. Experiments in simplified control of mound build
 1927. The growth of hemlock before and after the relea
 1935. Cut-over old field pine lands in central New Eng
 1934. Pot culture tests of forest soil fertility
 1935. A method for determining the nutrient needs of s
 1936. The effect of varied solar radiation upon the gr
 1936. Trends in the nitrogen, phosphorus, potassium an
 1939. The growth and nutrition of white pine (Pinus st
 1939. Preliminary notes on a method for the prevention
 1935. The relative feeding power of oaks and maples fo
 1936. Differential browsing by deer on plots variously
 1939. The nitrogen nutrition and growth of certain dec
 1939. The relationships between cumulative solar radia
 1937. The relation between mycorrhizae and the growth
 1955. Fomes annosus (Fr.) Cke. on Prospect Hill red pi
 1964. Assessment of forest floor fuels at the Black Ro

FORESTRY (cont.)

- Oliver, C.D.
 Oliver, C.D.
 Oliver, C.D. and E.P. Stephens.
 Patton, R.T.
 Peirson, H.B.
 Peirson, H.B.
 Petitmermet, M.
 Pope, R.B.
 Pritchett, W.L.
 Raup, H.M.
 Raup, H.M.
 Raup, H.M.
 Raup, H.M.
 Raup, H.M.
 Raup, H.M.
 Raup, H.M.
 Reed, P.M.
 Richardson, A.H.
 Rowlands, W.
 Scholz, H.F.
 Scholz, H.F.
 Sher, S.T.
 Smith, E.E.
 Sorensen, R.F. and B.F. Wilson.
 Spaeth, J.N.
 Spaeth, J.N.
 Spurr, S.H.
 Spurr, S.H.
 Spurr, S.H.
 Spurr, S.H.
 Spurr, S.H.
 Spurr, S.H.
 Spurr, S.H. and A.C. Cline.
 Steel, F.R.
 Stephens, E.P.
 Stephens, E.P. and S.H. Spurr.
 Stillman, C.W.
 Stout, B.B.
 Stout, B.B. (ed.).
 Swain, L.C.
 Tarbox, E.E.
 Terry, E.I.
 Terry, E.I.
 Tomlin, C.D. and S.M. Tomlin.
 Trow, G.W.W.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Tryon, H.H. and R.F. Finn.
 Walton, G.S.
 Zeide, B.
 Zimmermann, M.H.
 1975. The development of northern red oak (*Quercus rubra*)
 1978. The development of northern red oak in mixed stands
 1977. Reconstruction of a mixed-species forest in central New England
 1922. Red oak and white ash: a study of growth and yield
 1921. The life history and control of the Pales weevil
 1922. Control of white pine weevil by forest management
 1930. Un séjour en Nouvelle Angleterre (Etats-Unis d'Amérique)
 1948. Tests of several types of aerial photo-cruises over the Harvard Forest
 1979. Properties and Management of Forest Soils
 1951. Energy from forests
 1952. Address on forestry
 1954. Soil: a basic resource in wood production
 1966. The view from John Sanderson's farm: A perspective
 1967. American forest biology
 1979. Beware the conventional wisdom
 1981. Forests in the Here and Now: A Collection of Writings
 1926. Red pine in central New England. A preliminary report
 1920. A report on some of the forest plantations of Massachusetts
 1939. A study of forest damage caused by the 1938 hurricane
 1937. Diameter outside bark as an index of bark thickness
 1937. The effect of soil texture upon the growth of red pine
 1977. Crown and stem dimensions of red pine and their relationship to growth
 1950. Eastern hemlock and its relationship to the silviculture of the Harvard Forest
 1964. The position of eccentric stem growth and tension wood in the Harvard Forest
 1920. Growth study and normal yield tables for second growth
 1922. Notes on the release of white pine in the Harvard Forest
 1944. Forestry at Harvard
 1944. Effect of seed weight and seed origin on the earliness of red pine
 1947. Developments in aerial photography as related to forest management
 1947. Row thinning
 1956. Plantation success in the Harvard Forest as related to site conditions
 1942. Ecological forestry in central New England
 1911. Lumber flumes
 1955. Research in the biological aspects of forest production
 1947. The immediate response of red pine to thinning and its relationship to growth
 1949. Economic relations of the Black Rock Forest
 1959. Supplemental irrigation of 75-year-old hardwoods
 1981. Forests in the Here and Now, A Collection of Writings
 1938. The effect of frost on the establishment of white pine
 1924. Quality and growth of white pine, as influenced by site conditions
 1913. The art of pacing
 1920. The regeneration of white pine following four cuts
 1982. Computer-assisted spatial allocation of timber harvest
 1984. Annals of discourse: the Harvard Black Rock Forest
 1930. The Black Rock Forest
 1932. A study of several coniferous underplantings in the Harvard Forest
 1933. A portable charcoal kiln
 1938. Hardwood brush disposal in the Hudson Highlands
 1939. Progress Report: 1928-1938
 1939. A high-duty woodsaw
 1943. Practical forestry in the Hudson highlands
 1945. The management of young volunteer hardwood stands
 1935. A chestnut oak volume table for the Hudson Highlands
 1937. Cordwood volume tables for red oak and red maple
 1942. Tests of chemical control of hardwood sprouts
 1942. Improvement cuttings in mixed hardwoods
 1947. On obtaining natural hardwood regeneration
 1949. Twenty-year progress report
 1937. Notes on the terminal growth of coniferous plants
 1964. A study to develop a computer program for forest management
 1978. Standardization of growth curves
 1977. The Harvard Forest

GEOLOGY

Denny, C.S.
Goodlett, J.C.
Goodlett, J.C.
Hatheway, W.H.
Lyford, W.H.
Lyford, W.H., L.C. Goodlett and W.H.
Raup, H.M.
Raup, H.M.
Scholz, H.F.
Stout, B.B. (ed.).

LAND USE HISTORY

Altpeter, L.S.
Anonymous.
Black, J.D. and A. Brinser.
Cline, A.C.
Cline, A.C.
Cline, A.C.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Fisher, R.T.
Forbes, R.H. (compiler).
Gill, C.E., L. Prahar and R.A. Yoder
Goodlett, J.C.
Goodlett, J.C.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M.
Gould Jr., E.M. and C.H. Reidel.
Hanson, E.A.
Hick, R.M.
Johnson, F. and H.M. Raup.
Odum, S.
Patterson III, W.A. and K.E. Sassman
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M.
Raup, H.M. and R.E. Carlson.
Scudder, J.H.
Smith, E.E.
Spurr, S.H.
Stephens, E.P.
Stout, B.B. (ed.).
Tryon, H.H.

PALEOECOLOGY

Bradshaw, R.H.W. and N.G. Miller.
Davis, M.B.
Davis, M.B. and J.C. Goodlett.
Patterson III, W.A., K.J. Edwards and

1938. Glacial geology of the Black Rock Forest
1954. Vegetation adjacent to the border of the Wisconsin
1960. The development of site concepts at the Harvard
1954. A study of tree distribution, soils, and tempora
1964. Coarse fragments in the Gloucester soils of the
1963. Landforms, soils with fragipans, and forest on a
1951. Vegetation and cryoplanation
1981. Forests in the Here and Now: A Collection of Wri
1931. Physical properties of the cove soils on the Bla
1981. Forests in the Here and Now, A Collection of Wri

1937. A history of the forests of Cape Cod
1975. The Harvard Forest Models
1952. Planning One Town, Petersham, A Hill Town in Mas
1936. The Harvard Forest models
1936. The forest models
1941. The Harvard Forest models. Revised and rewritten
1916. Some unwritten records of the Harvard Forest
1918. Second-growth white pine as related to the forme
1925. Descent of the white pine woodlot
1933. New England forests: biological factors
1934. Abandoned farms and pine woodlots
1985. Richard Thornton Fisher - 1876-1934, Director of
1942. A silvicultural study and management plan for To
1954. Vegetation adjacent to the border of the Wiscons
1960. The development of site concepts at the Harvard
1969. Scholars in the forest
1981. The past and future of New England forests
1986. Where have all the forests gone? Long time pass
1970. Forestry in Massachusetts
1982. Forest succession - the human factor
1979. The Yankee forest
1939. Reproduction systems in the pine-hardwood succes
1927. Influence of land, history and legislative enact
1947. Grassy Island: Archaeological and botanical inv
1978. Dormant seeds at abandoned settlements in Peters
1988. Indian fires in the prehistory of New England
1937. Recent changes of climate and vegetation in sout
1938. Botanical studies in the Black Rock Forest
1957. Vegetation adjustment to the instability of the
1964. Some problems in ecological theory and their rel
1966. The view from John Sanderson's farm: A perspect
1981. Physical disturbances in the life of plants
1981. Forests in the Here and Now: A Collection of Wri
1941. The history of land use in the Harvard Forest
1949. A preliminary study of the original forest and s
1950. Eastern hemlock and its relationship to the silv
1956. Forest associations in the Harvard Forest
1955. Research in the biological aspects of forest pro
1981. Forests in the Here and Now, A Collection of Wri
1930. The Black Rock Forest

1988. Recent successional processes investigated by po
1958. Three pollen diagrams from central Massachusetts
1960. Comparison of the present vegetation with pollen
1987. Microscopic charcoal as a fossil indicator of fi

PALEOECOLOGY (cont.)

- Patterson III, W.A. and K.E. Sassman 1988. Indian fires in the prehistory of New England
 Raup, H.M. 1937. Recent changes of climate and vegetation in south
 Tomlinson, P.B. and M.H. Zimmermann 1977. Tropical Trees as Living Systems

PLANT ANATOMY, DEVELOPMENT, AND ARCHITECTURE

- Bailey, I.W.
 Bailey, I.W.
 Bell, A.D.
 Bell, A.D. and P.B. Tomlinson.
 Critchfield, W.B.
 Ewers, F.W. and M.H. Zimmermann.
 Ewers, F.W. and M.H. Zimmermann.
 Ewers, F.W. and M.H. Zimmermann.
 Fahn, A., J. Burley, K.A. Longman and
 Gill, A.M.
 Goforth, P.L. and J.G. Torrey.
 Halle, F., R.A.A. Oldeman, and P.B.
 Hibbs, D.E.
 Honda, H., P.B. Tomlinson and J.B. F
 Honda, H., P.B. Tomlinson and J.B. F
 Lyford, W.H.
 Lyford, W.H. and B.F. Wilson.
 Pizzolato, T.D.
 Pizzolato, T.D.
 Prichard, R.P. and I.W. Bailey.
 Reuter, U.
 Skene, D.S.
 Sorensen, R.F. and B.F. Wilson.
 Sperry, J.S.
 Spurr, S.H. and R.B. Friend.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B.
 Tomlinson, P.B. and M.H. Zimmermann
 Torrey, J.G. and D. Callahan.
 Torrey, J.G. and W.D. Wallace.
 Torrey, J.G., D.E. Fosket and P.K. H
 Wilson, B.F.
 Wilson, B.F.
 Wilson, B.F. and R.A. Howard.
 Wilson, Brayton F.
 Wilson, Brayton F.
 Wilson, Brayton.
 Wright, J.W.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H. and C.L. Brown (with
 Zimmermann, M.H. and P.B. Tomlinson.
 Zimmermann, M.H. and C.L. Brown.
 Zimmermann, M.H. and D. Potter.
 1910. Notes on the wood structure of the Betulaceae and
 1917. The role of the microscope in the identification
 1974. Rhizome organization in relation to vegetative s
 1980. Adaptive architecture in rhizomatous plants
 1971. Shoot growth and heterophylly in Acer
 1983. The hydraulic architecture of two conifers
 1984. The hydraulic architecture of balsam fir (*Abies*
 1984. The hydraulic architecture of eastern hemlock
 1981. Possible contributions of wood anatomy to the de
 1971. The formation, growth and fate of buds of *Fraxin*
 1977. The development of isolated roots of *Comptonia p*
 1978. Tropical Trees and Forests, an Architectural Ana
 1981. Leader growth and the architecture of three Nort
 1981. Computer simulation of branch interaction and re
 1982. Two geometrical models of branching of botanical
 1980. Development of the root system of the northern r
 1964. Development of the root system of *Acer rubrum L*
 1977. Staining of Tilia mucilages with Mayer's tannic
 1978. A tannic acid-ferric chloride-toluidine blue sta
 1916. The significance of certain variations in the an
 1987. Growth patterns of gemmings of *Lycopodium lucid*
 1972. The kinetics of tracheid development in *Tsuga ca*
 1964. The position of eccentric stem growth and tensio
 1982. Observations of reaction fibers in leaves of the
 1941. Compression wood in weeviled northern white pine
 1973. The monocotyledons: their evolution and compara
 1974. Breeding mechanisms in trees native to tropical
 1977. Plant morphology and anatomy in the tropics - th
 1978. Branching and differentiation in tropical trees
 1978. Some qualitative and quantitative aspects of New
 1979. Juvenilite des plantes ligneuses en Nouvelle-Zel
 1979. Juvenilite et neotenie chez les monocotyledones
 1980. The Biology of Trees Native to Tropical Florida
 1982. Chance and design in the construction of plants
 1983. Tree architecture
 1987. Branching is a process, not a concept
 1977. Tropical Trees as Living Systems
 1978. Determinate development of nodule roots in actin
 1975. Further studies on primary vascular tissue patte
 1971. Xylem formation: a paradigm of cytodifferentiat
 1967. Root growth around barriers
 1968. Red maple stump sprouts: development the first y
 1968. A computer model for cambial activity
 1964. Structure and growth of wood roots of *Acer rubru*
 1966. Development of the shoot system of *Acer rubrum L*
 1962. A survey of the incidence of ring shake in easte
 1939. A study of branching in white ash with particula
 1976. The study of vascular patterns in higher plants
 1978. Structural requirements for optimal water conduc
 1978. Hydraulic architecture of some diffuse-porous tr
 1983. Xylem structure and the ascent of sap
 1971. Trees: Structure and Function
 1972. The vascular system of monocotyledonous stems
 1975. Trees: Structure and Function
 1982. Vessel-length distribution in branches, stem and

ROOT BIOLOGY

- Aber, J.D., J.M. Melillo, C. McClaugherty
Aber, J.D., J.M. Melillo, N.J. Nadel
Lyford, W.H.
Lyford, W.H.
Lyford, W.H. and B.F. Wilson.
Lyford, W.H. and B.F. Wilson.
McClaugherty, C.A., J.D. Aber and J.
McClaugherty, C.A., J.D. Aber, and J.
Schwintzer, C.R. and S. Lancelle.
Stout, B.B.
Tomlinson, P.B. and M.H. Zimmermann
Torrey, J.G.
Torrey, J.G. and D.A. Phillips.
Torrey, J.G. and D.T. Clarkson (eds.)
Torrey, J.G. and L.J. Feldman.
Torrey, J.G. and W.D. Wallace.
Wilson, B.F.
Wilson, Brayton F.
1983. Potential sinks for mineralized nitrogen following
1985. Fine root turnover in forest ecosystems in relation to
1975. Rhizography of non-woody roots of trees in the forest
1980. Development of the root system of the northern red pine
1964. Development of the root system of *Acer rubrum* L.
1966. Controlled growth of forest tree roots
1982. The role of fine roots in the organic matter and
1984. Decomposition dynamics of fine roots in forested
1983. Effect of water-table depth on shoot growth, root
1957. Studies of the root systems of deciduous trees
1977. Tropical Trees as Living Systems
1976. Root hormones and plant growth
1974. Hormonal interactions between root and shoot: theoretical
1975. The Development and Function of Roots
1977. The organization and function of the root apex
1975. Further studies on primary vascular tissue patterns
1967. Root growth around barriers
1964. Structure and growth of wood roots of *Acer rubrum*

SOIL SCIENCE

- Anonymous.
Black, J.D. and A. Brinser.
Fisher, R.T.
Gast, P.R.
Gast, P.R.
Gast, P.R.
Gast, P.R.
Gast, P.R.
Goodlett, J.C.
Goodlett, J.C.
Gottlieb, A.W.
Griffith, B.G., E.W. Hartwell and T.
Johnston, J.W.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H.
Lyford, W.H. and D.W. MacLean.
Lyford, W.H., L.C. Goodlett and W.H.
McClaugherty, C.A. and A.E. Linkins.
Patrick, J.H.
Pritchett, W.L.
Raup, H.M.
Scholz, H.F.
Scholz, H.F.
Spurr, S.H.
Stephens, E.P.
Stone, E.L.
Stout, B.B.
Troedsson, T. and W.H. Lyford.
Tryon, H.H. and R.F. Finn.
1939. Soils and Forest Conference, June 5-8, 1939, Harvard
1952. Planning One Town, Petersham, A Hill Town in Massachusetts
1928. Soil changes and silviculture on the Harvard Forest
1925. Studies of the humus layers of coniferous forest
1930. "Conclusion" in the evolution of soils
1931. "Comment" in the physical properties of the cove soils
1936. Studies in the development of conifers in raw humus
1937. Contrasts between the soil profiles developed under
1954. Vegetation adjacent to the border of the Wisconsin
1960. The development of site concepts at the Harvard Forest
1927. The occurrence of nitrogen in soil profiles under
1930. The evolution of soils as affected by the old field
1932. The fauna of soil as affected by the old field
1963. Importance of ants to brown podzolic soil genesis
1964. Water table fluctuations in periodically wet soils
1964. Coarse fragments in the Gloucester soils of the
1966. Fungal hyphae and the morphology of B horizons of
1973. Forest soil microtopography
1973. Fragipan horizons in soils on moraines near Garp
1974. Narrow soils and intricate soil patterns in southern
1966. Mound and pit microrelief in relation to soil distribution
1963. Landforms, soils with fragipans, and forest on a
1989. Temperature responses of enzymes in two forest soils
1956. The relationship of species distribution to soil
1979. Properties and Management of Forest Soils
1954. Soil: a basic resource in wood production
1931. Physical properties of the cove soils on the Blue Hills
1937. The effect of soil texture upon the growth of red pine
1939. The influence of two *Juniperus* species on soil
1956. The uprooting of trees: a forest process
1975. Effects of species on nutrient cycles and soil chemistry
1952. Species distribution and soils in the Harvard Forest
1973. Biological disturbance and small scale spatial variation
1949. Twenty-year progress report

TREE PHYSIOLOGY

- Ewers, F.W. and M.H. Zimmermann.
 Ewers, F.W. and M.H. Zimmermann.
 Ewers, F.W. and M.H. Zimmermann.
 Goforth, P.L. and J.G. Torrey.
 Herr, C.S.
 Hoffman, D.
 Jabbar, S.A.
 Jeje, A.A.
 Jeje, A.A. and M.H. Zimmermann.
 Lee, D.R. and M.H. Zimmermann.
 Lee, D.R., S.S. Dunford and M.H. Zimmermann.
 Lewis, A.M.
 Lyford, W.H. and B.F. Wilson.
 Milburn, J.A. and M.H. Zimmermann.
 Newbanks, D.A., A. Bosch and M.H. Zimmermann.
 Perry, T.O.
 Sauter, J.J., W. Iten and M.H. Zimmermann.
 Sorensen, R.F. and B.F. Wilson.
 Sovonick, S.A. and M.H. Zimmermann.
 Sovonick-Dunford, S., D.R. Lee and M.H. Zimmermann.
 Sovonick-Dunford, S., D.R. Lee, and M.H. Zimmermann.
 Tomlinson, P.B. and M.H. Zimmermann.
 Tomlinson, P.B. and M.H. Zimmermann.
 Tomlinson, P.B. and K.A. Longman.
 Torrey, J.G.
 Torrey, J.G.
 Torrey, J.G. and D.A. Phillips.
 Torrey, J.G. and D.T. Clarkson (eds).
 Torrey, J.G. and L.J. Feldman.
 Tyree, M.T. and M.H. Zimmermann.
 Wilson, B.F.
 Wilson, B.F.
 Wilson, B.F.
 Wilson, B.F.
 Wilson, B.F. and R.A. Howard.
 Wilson, Brayton F.
 Wilson, Brayton F.
 Wilson, Brayton F.
 Zamski, E. and M.H. Zimmermann.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H.
 Zimmermann, M.H. and C.L. Brown (with C.L. Brown).
 Zimmermann, M.H. and P.B. Tomlinson.
 Zimmermann, M.H. and C.L. Brown.
 Zimmermann, M.H. and J.A. Milburn (with J.A. Milburn).
 Zimmermann, M.H. and H. Ziegler.
 Zimmermann, M.H. and J. McDonough.
 Zimmermann, M.H. and J.A. Milburn.
 Zimmermann, Martin H.
 Zimmermann, Martin H.
 Zobel, R., P. Del Tredici, and J.G. 1983. The hydraulic architecture of two conifers
 1984. The hydraulic architecture of balsam fir (*Abies*)
 1984. The hydraulic architecture of eastern hemlock
 1977. The development of isolated roots of *Comptonia*
 1930. The regrowth of hardwood sprouts resulting from
 1950. The role of photo-periodism in controlling height
 1963. The anatomy of healing of pruned stubs in Norway
 1979. Rates of spontaneous movement of water in capillaries
 1979. Resistance to water flow in xylem vessels
 1976. Longitudinal and lateral water permeability of tree
 1977. Estimation of the elastic nodules of sieve elements
 1982. Vascular connections between roots and shoots of
 1966. Controlled growth of forest tree roots
 1986. Sapflow in the sugar maple in the leafless state
 1983. Evidence for xylem dysfunction by embolism in *Du*
 1971. Dormancy in trees in winter
 1973. Studies on the release of sugar into the vessels
 1964. The position of eccentric stem growth and tension
 1976. Factors affecting phloem exudation in white ash
 1977. Direct measurement of turgor pressure in the phloem
 1981. Direct and indirect measurements of phloem turgor
 1969. Vascular anatomy of monocotyledons with secondary
 1977. Tropical Trees as Living Systems
 1981. Growth phenology of tropical trees in relation to
 1973. Hormonal regulation of plant growth and morphology
 1976. Root hormones and plant growth
 1974. Hormonal interactions between root and shoot: the
 1975. The Development and Function of Roots
 1977. The organization and function of the root apex
 1971. The theory and practice of measuring transport capacity
 1957. A study of shake in eastern hemlock
 1967. Root growth around barriers
 1968. Effect of girdling on cambial activity in white
 1968. Red maple stump sprouts: development of the first
 1968. A computer model for cambial activity
 1964. Structure and growth of wood roots of *Acer rubrum*
 1966. Development of the shoot system of *Acer rubrum*
 1962. A survey of the incidence of ring shake in eastern
 1979. Sieve-tube longevity in white ash (*Fraxinus americana*)
 1963. Sap movements in trees
 1974. Long distance transport
 1976. The study of vascular patterns in higher plants
 1978. Vessel ends and the disruption of water flow in
 1978. Structural requirements for optimal water conduction
 1978. Hydraulic architecture of some diffuse-porous trees
 1983. Xylem structure and the ascent of sap
 1971. Trees: Structure and Function
 1972. The vascular system of monocotyledonous stems
 1975. Trees: Structure and Function
 1975. Transport in Plants. I. Phloem Transport
 1975. Lists of sugars and sugar alcohols in sieve-tube
 1978. Dysfunction in the flow of food
 1982. Transport and storage of water
 1960. Absorption and translocation: transport in the phloem
 1963. How sap moves in trees
 1976. A method of growing plants aeroponically

WILDLIFE AND INSECT ECOLOGY

- Brues, C.T.
 Charlton, R.E.
 Fisher, R.T.
 Gould, V.A.
 Hatt, R.T.
 Hatt, R.T.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W.
 Hosley, N.W. and R.K. Ziebarth.
 Hosley, N.W., W.G. Hamilton, Jr., and
 Jenkins, S.H.
 Jenkins, S.H.
 Jenkins, S.H.
 Jenkins, S.H.
 Jenkins, S.H.
 Johnston, J.W.
 Lyford, W.H.
 Lyford, W.H.
 Mitchell, H.L. and N.W. Hosley.
 Tomlin, C.D., S.H. Berwick and S.M.
 Turberville, H.W.
1947. Changes in the insect fauna of a New England wood
 1985. A colony of *Williamsonia fletcheri* (Odonata: Cor
 1929. Our wildlife and the changing forest
 1938. A study of the winter relations of the snowshoe
 1929. The red squirrel: its life history and habits, w
 1930. The relation of mammals to the Harvard Forest
 1925. A mystery of the treetops
 1928. Red squirrel damage to coniferous plantations an
 1931. Wild animal damage to New England forests
 1935. The essentials of a management plan for forest w
 1936. Forest wildlife census methods applicable to New
 1936. Food and cover for wildlife
 1937. Some interrelations of wildlife management and f
 1937. Woody plants of New England used as food by bird
 1935. Some winter relations of the white-tailed deer t
 1937. Late summer and early fall foods of the red fox
 1975. Food selection by beavers: a multidimensional co
 1978. Food selection by beavers: sampling behavior
 1979. Seasonal and year-to-year differences in food se
 1980. A size-distance relation in food selection by be
 1981. Problems, progress, and prospects in studies of
 1932. The fauna of soil as affected by the old field w
 1963. Importance of ants to brown podzolic soil genesi
 1975. Overland migration of *Collembolla* (*Hypogastrura*
 1936. Differential browsing by deer on plots variously
 1983. Cartographic analysis of deer habitat utilizatio
 1936. Winter habits of the ruffed grouse in Petersham