Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

1.9
F7623T
no. 39

1.9
F7623T
no. 39

U.S. Department of Agriculture
Forest Service

APPALACHIAN FOREST EXPERIMENT STATION
R. E. McArdle, Director

Technical Note No. 39.

March 25, 1940.

PUBLICATIONS
by
MEMBERS OF THE STAFF, INCLUDING COOPERATORS
January 1, 1937 - December 31, 1939

Compiled by
Josephine Laxton, Librarian.

SUBJECT INDEX

	<u>Page</u>
1. General Forestry.....	1
2. Forest Botany.....	1
3. Regeneration.....	1
4. Silviculture.....	2
5. Fire.....	2
6. Mensuration.....	3
7. Soil and Water Conservation.....	4
8. Forest Economics and Utilization.....	5
9. Forest Entomology.....	5
10. Forest Pathology.....	6
11. Miscellaneous.....	6
12. Technical Notes (numerical list).....	7
13. Forest Survey Releases (numerical list).....	8
AUTHOR INDEX.....	9-14

SUBJECT INDEX

1. General Forestry

McARDLE, R. E.

1939. Forest research an aid to progress in West Virginia.
The Cruiser, Yearbook of the Forestry Club. W. Va.
Univ.

2. Forest Botany

BUELL, J. H.

1938. List of specimens in the Station herbarium. Tech. Note
30. June 16.

MINCKLER, L. S.

1938. Review. Water utilization by trees, with special
reference to the economic forest species of the
north temperate zone, by Oran Raber. U.S. Dept.
Agr. Misc. Pub. 257. Jour. Forestry 36: 535.

-
1939. Transpiration of trees and forests. Jour. Forestry
37: 336-339.

-
1939. Genetics in forestry. Jour. Forestry 37: 559-564.

3. Regeneration

MacKINNEY, A. L. and KORSTIAN, C. F.

1938. Loblolly pine seed dispersal. Jour. Forestry 36: 465-468.

and McQUILKIN, W. E.

-
1938. Methods of stratification for loblolly pine seeds. Jour.
Forestry 36: 1123-1127.

McQUILKIN, W. E.

1939. Natural establishment of pine in abandoned fields in the
Piedmont region. Tech. Note 37. November 15.

MINCKLER, L. S.

1939. The block-line method of plantation examination. Jour.
Forestry 37: 872-875.

4. Silviculture

BARRETT, L. I. and BUELL, J. H.

1938. Growth of pruned white pine. Tech. Note 32. Oct.

and MUNGER, THORNTON T.

1938. The march of silviculture. Jour. Forestry 36: 837-840.
Sept.

5. Fire

ABELL, C. A.

1937. Effective range of lookout observers in the Southern
Appalachians shown by haze meters. Tech. Note 23.
January 4.

1937. Preliminary report. Rate of spread and resistance to
control data for Region 7 fuel types and their appli-
cation to determine strength and spread of attack
needed. Mimeo. September 7.

1937. Planning a lookout system. Mimeo. May.

BYRAM, GEORGE M.

1937. Relation of Byram haze meter reading to safe visibility
distance of a small smoke. Tech. Note 25. June 25.

1937. A method for measuring broken areas with the polar
planimeter. Jour. Forestry 35: 878. September.

1938. A note on the calibration of duff hygrometers. Jour.
Forestry 36: 605-606. June.

1939. Method for measuring perimeter of fire. Fire Control
Notes vol. 3, no. 2, p. 21. April.

JEMISON, GEORGE M.

1937. Correlation of regional fire danger rating system. Fire
Control Notes. December 6.

1938. The Appalachian forest fire danger meter. Processed.
January 27.

JEMISON, GEORGE M.

1938. Occurrence, behavior, and cost of fires in relation to forest fire danger. Tech. Note 27. February 1.

1938. Relation of Byram haze meter reading to safe visibility distance of smoke from an eighth-acre fire. Tech. Note 28. February 2.

1938. The Appalachian scale of wind velocity. Tech. Note 29. April 1.

1938. The measurement of forest fire danger in the mountains of eastern United States. Processed. October.

1939. Determination of the rate of spread of fire in the Southern Appalachians. Fire Control Notes 3: 407.

1939. They used to be worse. Dixie Ranger. August.

1939. The measurement of forest fire danger in the eastern United States and its application in fire control. Tech. Note 35. October 1.

1939. The influence of locality, season, and time of day on visibility distance. Tech. Note 36. October 10.

6. Mensuration

BARRETT, L. I. and RENSHAW, JAMES F.

1939. Factors affecting the costs of producing oak cordwood. Jour. Forestry 37: 947-954. December.

BUELL, J. H.

1937. An old mensuration book. Jour. Forestry 35: 787-788. August.

CHAIKEN, L. E.

1939. The approach of loblolly and Virginia pine toward normal stocking. Jour. Forestry 37: 866-871. November.

FROTHINGHAM, E. H.

1936. Growth capacity of the southern Appalachian region.
Southern Lumberman 153: 98M-98P. December 15.

MacKINNEY, A. L., CHAIKEN, L. E., and SCHUMACHER, F. X.

1937. Construction of yield tables for non-normal loblolly
pine stands (Key No. F-82). Jour. Agr. Res. 54: 531-
545. April 1.

MacKINNEY, A. L. and CHAIKEN, L. E.

1939. Volume, yield, and growth of loblolly pine in the mid-
Atlantic coastal region. Tech. Note 33. April.

7. Soil and Water Conservation

BRATER, E. F.

1939. The unit hydrograph principle applied to small watersheds.
Proc. Am. Soc. Civ. Engin. 65: 1191-1215.

HERTZLER, R. A.

1938. Determination of a formula for the 120° V-notch weir.
Civ. Engin. 8: 756-757.

-
1939. Engineering aspects of the influence of forests on
mountain streams. Civ. Engin. 9: 487-489.

HURSH, C. R.

1938. Mulching for roadbank fixation. Tech. Note 31. September
15.

-
1939. Stream observations and ground water studies. Civ. Engin.
9: 672. November.

-
1939. Roadbank stabilization at low cost. Tech. Note 38.
December 15.

and CONNAUGHTON, C. A.

-
1938. Effects of forests upon local climate. Jour. Forestry
36: 864-866. September.

and SNYDER, JOHN.

-
1938. Low cost erosion control on highway slopes in southeastern
U.S. In Proc. Highway Res. Board, pt. 1, pp. 213-215.

and DIVISION OF FOREST INFLUENCES.

-
1939. Outline for compiling precipitation and runoff data from
small drainage areas. Tech. Note 34. August 23.

8. Forest Economics and Utilization

FAULKES, E. B.

1939. Forest resources of the northern coastal plain of South Carolina. Forest Survey Release No. 1. July.

_____ and SPILLERS, A. R.

1939. Forest resources of the southern coastal plain of South Carolina. Forest Survey Release No. 3. December 1.

FORSLING, C. L.

1937. Farm forestry and cooperatives. Farmers Federation News. February.

HICKS, WILLIAM T.

1939. Economic aspects of cooperative marketing of forest products. Jour. Forestry 37: 392-394.

1939. Forest resources and industries as related to southern economic development. South. Lumberman Dec. 15, pp. 174-178.

1939. Forest resources of the piedmont region of South Carolina. Forest Survey Release No. 2. September.

9. Forest Entomology

BAKER, W. L. and BURGESS, A. F.

1938. The gypsy and brown-tail moths and their control. U.S. Dept. Agr. Circ. 464. March.

EATON, CHARLES B.

1938. An injector for forcing liquids into the soil. Bur. Ent. and Plant Quar. Brief ET-127. August.

JOHNSTON, H. R. and EATON, C. B.

1939. White grubs in forest nurseries of the Carolinas. E-486. July.

WILFORD, B. H.

1937. The spruce gall aphid (Adelges abietis Linnaeus) in southern Michigan. Univ. Michigan Cir. 2.

_____ CRAIGHEAD, F. C. and ST. GEORGE, R. A.

1937. A method of preventing insect injury to material used for posts, poles, and rustic construction. E-409.

10. Forest Pathology

HEPTING, GEORGE H.

1939. A vascular wilt of the mimosa tree (Albizzia julibrissin).
U.S. Dept. Agr. Circ. 535. December.

_____ and DAVIDSON, ROSS W.

1937. A leaf and twig disease of hemlock caused by a new species
of Rosellinia. Phytopath. 27: 305-310. March.

_____ and HEDGCOCK, GEORGE G.

1937. Decay in merchantable oak, yellow poplar, and basswood in
the Appalachian region. U.S. Dept. Agr. Tech. Bul. 570.
May.

_____ and CHAPMAN, A. D.

1938. Losses from heart rot in two shortleaf and loblolly pine
stands. Jour. Forestry 36: 1193-1201. December.

_____ and TOOLE, E. R.

1939. The hemlock rust caused by Melampsora farlowii. Phytopath.
29: 463-473.

ROTH, ELMER R. and SLEETH, BAILEY

1939. Butt rot in unburned sprout oak stands. U.S. Dept. Agr.
Tech. Bul. 684. October.

11. Miscellaneous

BARRETT, LEONARD I.

1937. Contest on the Chattahoochee. Dixie Ranger. July.

BUELL, J. H.

1939. Hand-riven shingles -- a pioneer art revived. Am. Forests
45: 272. May.

HURSH, C. R.

1937. Frog makes record. Service Bul. vol. 21. September 6.

LAXTON, JOSEPHINE

1937. Publications, staff and cooperators, Appalachian Forest
Experiment Station, July 1, 1921 - December 31, 1936.
Tech. Note 24. January 5.

1937. An inexpensive accessory for reading microfilms. Service
Bul. April 5.

1937. Maps in a research library. Library News Letter.
September 15.

12. Technical Notes - 1937-1939

- No. 23. Effective range of lookout observers in the Southern Appalachians shown by haze meters. January 4, 1937. C. A. Abell.
24. Publications by members of the staff, July 1, 1921 - December 31, 1936. January 5, 1937. Josephine Laxton.
25. Relation of Byram haze meter reading to safe visibility distance of a small smoke. June 25, 1937. George M. Byram.
26. The Appalachian forest fire danger meter. January 27, 1938. George M. Jemison.
27. Occurrence, behavior, and cost of fires in relation to forest fire danger. February 1, 1938. George M. Jemison.
28. Relation of Byram haze meter reading to safe visibility distance of smoke from an eighth-acre fire. February 2, 1938. George M. Jemison.
29. The Appalachian scale of wind velocity. April 1, 1938. George M. Jemison.
30. List of specimens in the Station herbarium. June 16, 1938. J. H. Buell.
31. Mulching for roadbank fixation. September 15, 1938. C. R. Hursh.
32. Growth of pruned white pine. October 25, 1938. L. I. Barrett and J. H. Buell.
33. Volume, yield, and growth of loblolly pine in the mid-Atlantic coastal region. April 1939. A. L. MacKinney and L. E. Chaiken.
34. Outline for compiling precipitation and run-off data from small drainage areas. C. R. Hursh and Division of Forest Influences. August 23, 1939.
35. The measurement of forest fire danger in the eastern United States and its application in fire control. October 1, 1939. George M. Jemison.
36. The influence of locality, season, and time of day on visibility distance. October 10, 1939. George M. Jemison.

37. Natural establishment of pine in abandoned fields in the Piedmont region. November 15, 1939. W. E. McQuilkin.

13. Forest Survey Releases

- No. 1. Forest resources of the northern coastal plain of South Carolina. July 1939. E. B. Faulks.
2. Forest resources of the Piedmont region of South Carolina. September 1939. W. T. Hicks.
3. Forest resources of the southern coastal plain of South Carolina. December 1, 1939. E. B. Faulks and A. R. Spillers.

AUTHOR INDEX

ABELL, C. A.

1937. Effective range of lookout observers in the Southern Appalachians shown by haze meters. Tech. Note 23. January 4.

1937. Preliminary report. Rate of spread and resistance to control data for Region 7 fuel types and their application to determine strength and spread of attack needed. Mimeo. September 7.

and BEEMAN, ROBERT M.

-
1937. Planning a lookout system. Mimeo. May.

BAKER, W. L. and BURGESS, A. F.

1938. The gypsy and brown-tail moths and their control. U.S. Dept. Agr. Circ. 464. March.

BARRETT, LEONARD I.

1937. Contest on the Chattahoochee. Dixie Ranger. July.

and BUELL, J. H.

-
1938. Growth of pruned white pine. Tech. Note 32. October.

and MUNGER, THORNTON T.

-
1938. The march of silviculture. Jour. Forestry 36: 837-840. September.

and RENSHAW, JAMES F.

-
1939. Factors affecting the costs of producing oak cordwood. Jour. Forestry 37: 947-954. December.

BRATER, E. F.

1939. The unit hydrograph principle applied to small watersheds. Proc. Am. Soc. Civ. Engin. 65: 1191-1215.

BUELL, J. H.

1937. An old mensuration book. Jour. Forestry 35: 787-788. August.

1938. List of specimens in the Station herbarium. Tech. Note 30. June 16.

BUELL, J. H.

1939. Hand-riven shingles -- a pioneer art revived. Am. Forests 45: 272. May.

_____ and BARRETT, L. I.

1938. Growth of pruned white pine. Tech. Note 32. October 25.

BYRAM, GEORGE M.

1937. Relation of Byram haze meter reading to safe visibility distance of a small smoke. Tech. Note 25. June 25.

1937. A method for measuring broken areas with the polar planimeter. Jour. Forestry 35: 877-878. September.

1938. A note on the calibration of duff hygrometers. Jour. Forestry 36: 605-606. June.

1939. Method for measuring perimeter of fire. Fire Control Notes vol. 3, no. 2, p. 21. April.

CHAIKEN, L. E.

1939. The approach of loblolly and Virginia pine toward normal stocking. Jour. Forestry 37: 866-871. November.

_____ MACKINNEY, A. L., and SCHUMACHER, F. X.

1937. Construction of yield tables for non-normal loblolly pine stands (Key No. F-82). Jour. Agr. Res. 54: 531-545. April 1.

_____ and MACKINNEY, A. L.

1939. Volume, yield, and growth of loblolly pine in the mid-Atlantic coastal region. Tech. Note 33. April.

EATON, CHARLES B.

1938. An injector for forcing liquids into the soil. Bur. Ent. and Plant Quar. Brief ET-127. August.

_____ and JOHNSTON, H. R.

1939. White grubs in forest nurseries of the Carolinas. Bur. Ent. and Plant Quar. Brief ET-486. August.

FORSLING, C. L.

1937. Farm forestry and cooperatives. Farmers Federation News. February.

FROTHINGHAM, E. T.

1936. Growth capacity of the southern Appalachian region. Southern Lumberman 153: 98M-98P. December 15.

FAULKES, E. B.

1939. Forest resources of the northern coastal plain of South Carolina. Forest Survey Release No. 1. July.

_____ and SPILLERS, A. R.

1939. Forest resources of the southern coastal plain of South Carolina. Forest Survey Release No. 3. December 1.

HEPTING, GEORGE H.

1939. A vascular wilt of the mimosa tree (Albizzia julibrissin). U.S. Dept. Agr. Circ. 535. December.

_____ and DAVIDSON, ROSS W.

1937. A leaf and twig disease of hemlock caused by a new species of Rosellinia. Phytopath. 27: 305-310. March.

_____ and HEDGCOCK, GEORGE G.

1937. Decay in merchantable oak, yellow poplar, and basswood in the Appalachian region. U.S. Dept. Agr. Tech. Bul. 570. May.

_____ and CHAPMAN, A. D.

1938. Losses from heart rot in two shortleaf and loblolly pine stands. Jour. Forestry 36: 1193-1201. December.

_____ and TOOLE, E. R.

1939. The hemlock rust caused by Melampsora farlowii. Phytopath. 29: 463-473.

HERTZLER, R. A.

1938. Determination of a formula for the 120° V-notch weir. Civ. Engin. 8: 756-757.

1939. Engineering aspects of the influence of forests on mountain streams. Civ. Engin. 9: 487-489.

HICKS, WILLIAM T.

1939. Economic aspects of cooperative marketing of forest products. Jour. Forestry 37: 392-394.

1939. Forest resources and industries as related to southern economic development. South. Lumberman December 15, pp. 174-178.

1939. Forest resources of the piedmont region of South Carolina. Forest Survey Release No. 2. September.

HURSH, C. R.

1937. Frog makes record. Service Bul. vol. 21. September 6.

1938. Mulching for roadbank fixation. Tech. Note 31. September 15.

1939. Stream observations and ground water studies. Civ. Engin. 9: 672. November.

1939. Roadbank stabilization at low cost. Tech. Note 38. December 15.

and CONNAUGHTON, C. A.

1938. Effects of forests upon local climate. Jour. Forestry 36: 864-866.

and SNYDER, JOHN

1938. Low cost erosion control on highway slopes in southeastern U.S. In Proc. Highway Res. Board, pt. 1, pp. 213-215.

and DIVISION OF FOREST INFLUENCES.

1939. Outline for compiling precipitation and runoff data from small drainage areas. Tech. Note 34. August 23.

JEMISON, GEORGE M.

1937. Correlation of regional fire danger rating system. Fire Control Notes. December 6.

1938. The Appalachian forest fire danger meter. Processed. January 27.

1938. Occurrence, behavior, and cost of fires in relation to forest fire danger. Tech. Note 27. February 1.

1938. Relation of Byram haze meter reading to safe visibility distance of smoke from an eighth-acre fire. Tech. Note 28. February 2.

1938. The Appalachian scale of wind velocity. Tech. Note 29. April 1.

1938. The measurement of forest fire danger in the mountains of eastern United States. Processed. October.

JEMISON, GEORGE M.

1939. Determination of the rate of spread of fire in the Southern Appalachians. Fire Control Notes 3:4-7.

1939. They used to be worse. Dixie Ranger. August.

1939. The measurement of forest fire danger in the eastern United States and its application in fire control. Tech. Note 35. October 1.

1939. The influence of locality, season, and time of day on visibility distance. October 10. Tech. Note 36.

JOHNSTON, H. R. and EATON, C. B.

1939. White grubs in forest nurseries of the Carolinas. E-486. July.

LAXTON, JOSEPHINE

1937. Publications, staff and cooperators, Appalachian Forest Experiment Station, July 1, 1921 - December 31, 1936. Tech. Note 24. January 5.

1937. An inexpensive accessory for reading microfilms. Service Bul. April 5.

1937. Maps in a research library. Library News Letter. September 15.

McARDLE, R. E.

1939. Forest research an aid to progress in West Virginia. The Cruiser, Yearbook of the Forestry Club. W. Va. Univ.

MacKINNEY, A. L., CHAIKEN, L. E., and SCHUMACHER, F. X.

1937. Construction of yield tables for non-normal loblolly pine stands (Key No. F-82). Jour. Agr. Res. 54: 531-545. April 1.

and CHAIKEN, L. E.

1939. Volume, yield, and growth of loblolly pine in the mid-Atlantic coastal region. Tech. Note 33. April.

and KORSTIAN, C. F.

1938. Loblolly pine seed dispersal. Jour. Forestry 36: 465-468.

MacKINNEY, A. L. and McQUILKIN, W. E.

1938. Methods of stratification for loblolly pine seeds. Jour. Forestry 36: 1123-1127.

McQUIIKIN, W. E.

1939. Natural establishment of pine in abandoned fields in the Piedmont region. Tech. Note 37. November 15.

_____ and MacKINNEY, A. L.

1938. Methods of stratification for loblolly pine seeds. Jour. Forestry 36: 1123-1127.

MINCKLER, L. S.

1938. Review. Water utilization by trees, with special reference to the economic forest species of the north temperate zone, by Oran Raber. U.S. Dept. Agr. Misc. Pub. 257. Jour. Forestry 36: 535.

_____ 1939. Transpiration of trees and forests. Jour. Forestry 37: 336-339.

_____ 1939. Genetics in forestry. Jour. Forestry 37: 559-564.

_____ 1939. The block-line method of plantation examination. Jour. Forestry 37: 872-875.

ROTH, ELMER R. and SLEETH, BAILEY

1939. Butt rot in unburned sprout oak stands. U.S. Dept. Agr. Tech. Bul. 684. October.

WILFORD, B. H.

1937. The spruce gall aphid (Adelges abietis Linnaeus) in southern Michigan. Univ. Michigan Cir. 2.

_____ CRAIGHEAD, F. C. and ST. GEORGE, R. A.

1937. A method of preventing insect injury to material used for posts, poles, and rustic construction. E-409.