

NECESSARY INFORMATION ON TREE-RING SPECIMENS FROM  
LIVING TREES

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Tree-ring specimens attain their highest value for climatic and ecologic purposes when they are accompanied by complete notes on location, facts concerning the tree, soil, topography, and plant relations. It is not at all uncommon to find that the climatic value of an excellent specimen has been seriously vitiated by the lack of adequate notes descriptive of the immediate surroundings of the tree during its growth.

The appended outline is printed by way of suggestion to serve as a guide to those people who so kindly send us many valuable specimens and to indicate to tree-ring workers the nature of the information essential to climatic and ecologic studies. Specimens accompanied by complete notes, no matter by whom collected, may prove of surprising worth and the Tree-Ring Laboratory at Tucson is always deeply grateful for any materials sent to it.

Numbers 1 to 19 constitute field notes in the main and must necessarily be made at the time the collection is secured. Numbers 20 to 25 are essentially the result of laboratory study which may be carried on equally well at any time. The entire list, numbers 1 to 25, comprises the information greatly to be desired for catalog purposes in the Tree-Ring Laboratory.

1. Specimen Number.
2. Date.
3. Species.
4. Geographical location.
5. Type of specimen (i.e. increment core, boring, V-cut, square-cut, section).
6. Condition of tree.
7. Diameter of tree (parallel to direction of specimen).
8. Height above base of tree.
9. Direction of taking specimen (1. Compass. 2. Relation to slope).
10. Topography (General. Specific for specimen).
11. Altitude (Above sea. In relation to surroundings).
12. Drainage lines.
  1. Permanent or intermittent.
  2. Relation of tree to drainage lines and height of tree above drainage line.
13. Soil (Nature, Depth, Porosity).
14. Bedrock (Type, Dip, Proximity to surface).
15. Relation to surrounding trees and vegetation.
16. Date of last ring.
17. Purpose of collection.
18. Photographs (General area. Individual tree or stump).
19. Collector.
- 20.\* Approximate number of rings.
21. Number of sap rings.
22. Total width of sapwood in centimeters.
23. Type of ring growth (Complacent, Sensitive, etc.).
24. Average ring size.
25. Nature of specimen (Injured. Whole. Reaches center, etc.).

\*Numbers 20 to 25 to be added in the laboratory for catalog purposes.