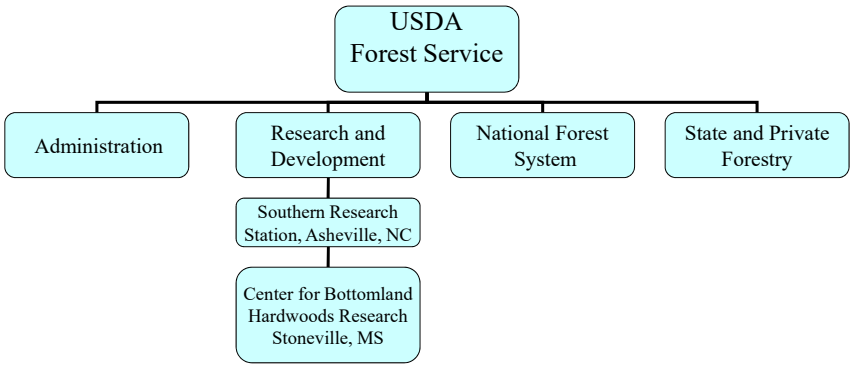
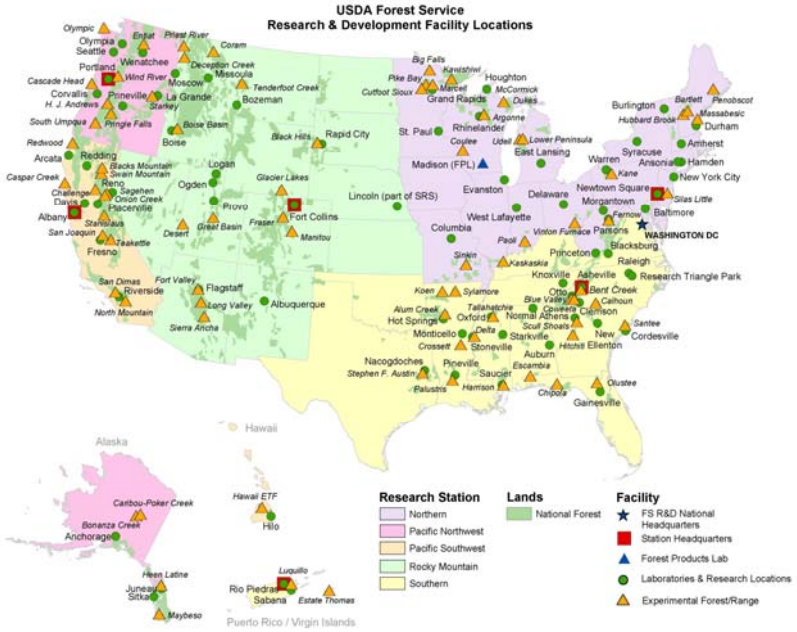
"Mississippi Delta"

Forest Service Research & Development

Where we fit administratively.



Forest Service Research & Development



Forest Service Research & Development

Center for Bottomland Hardwoods Research

- Stoneville, MS (Headquarters) – 8 SYs
- Oxford, MS (Stream Ecology Lab) – 3 SYs
- Starkville, MS (Forestry School, MSU) – 2 SYs
- Hot Springs, AR – 1 SY
- Frankfurt, KY – 1 SY

15 Scientists

Forest Service Research & Development

Regeneration and Reproductive Biology Team

- Prediction of Post-harvest Regeneration
- Seedling Physiology and Standards
- Establishing Advanced Reproduction
- Seed Biology
- Seed Production and Germination Ecology

Forest Service Research & Development

Stand Development and Forest Health Team

- Thinning Guidelines
- Stand Development
- Growth and Yield
- Wood Decay
- Bacterial Wetwood
- Decline Diseases
- Insect Pests

Forest Service Research & Development

Aquatic and Terrestrial Fauna Team

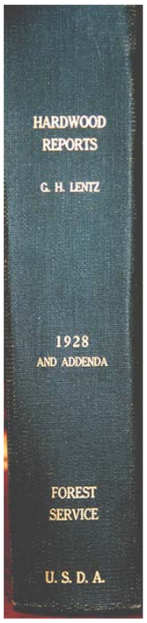
- Biology of Warmwater Fishes
- Freshwater Mussels
- Freshwater Crayfish
- Neotropical Migratory Songbirds
- Stream Ecology
- Wildlife Use of Afforested Sites

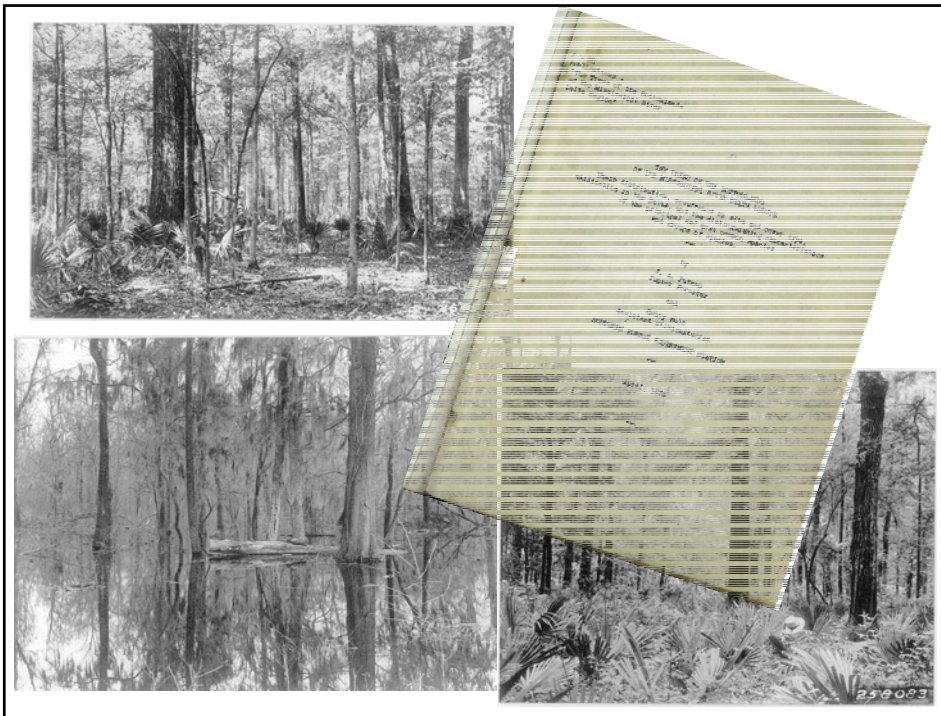
Forest Service Research & Development

Ecological Processes and Ecosystem Restoration Team

- Ecological Processes
- Hydrology
- Ecosystem Restoration Techniques
- Restoration Monitoring and Assessment Methods
- Threatened and Endangered Plants and Animals

Forest Service Research & Development



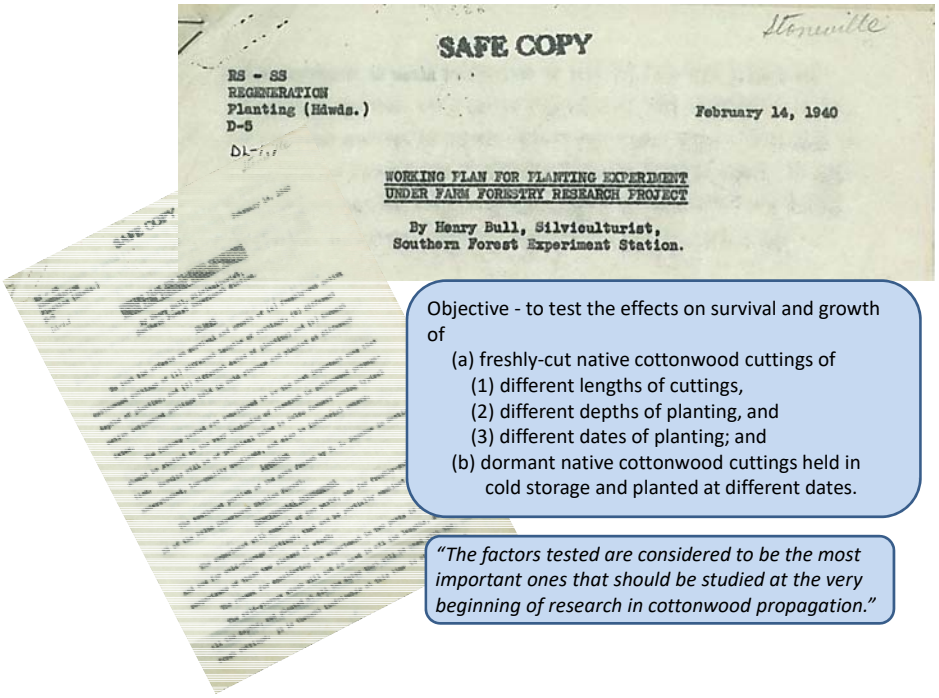


February 14, 1940 - WORKING PLAN FOR PLANTING EXPERIMENT UNDER FARM FORESTRY RESEARCH PROJECT

Henry Bull – Silviculturist
Southern Forest Experiment Station, New Orleans

Assignment – *"The man employed with Federal funds on the farm forestry research project In Mississippi."*

"The man" turned out to be Associate Forester John A. Putnam


SAFE COPY

RS - 8S
REGENERATION
Planting (Hdwds.)
D-5

February 14, 1940

WORKING PLAN FOR PLANTING EXPERIMENT
UNDER FARM FORESTRY RESEARCH PROJECT

By Henry Bull, Silviculturist,
Southern Forest Experiment Station.

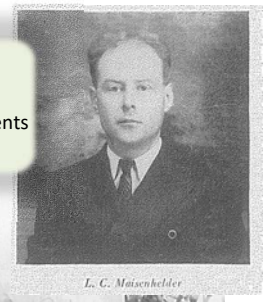
Objective - to test the effects on survival and growth of

(a) freshly-cut native cottonwood cuttings of
  (1) different lengths of cuttings,
  (2) different depths of planting, and
  (3) different dates of planting; and
(b) dormant native cottonwood cuttings held in cold storage and planted at different dates.

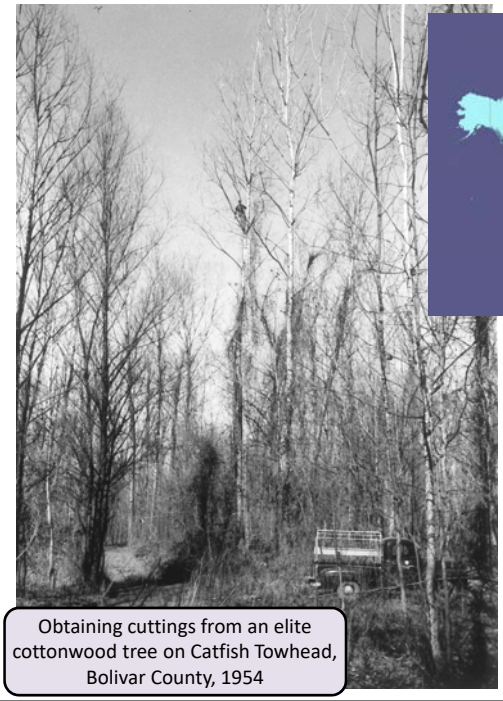
"The factors tested are considered to be the most important ones that should be studied at the very beginning of research in cottonwood propagation."

January, 16, 1944 - Louis C. "Carl" Maisenhelder"– Assistant Forester

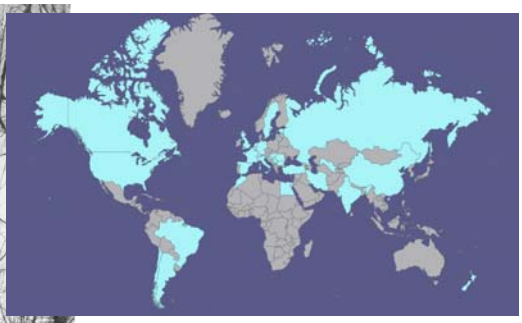
February 26, 1944 – Working Plan - 1944 Cottonwood Planting Experiments


L. C. Maisenhelder

* First methodical investigations on:
- cuttings versus seedlings
- cutting size
- storage practices
- nursery and stool bed management
- spacing trials
- competition control practices
- fertilization practices
- intercropping with agriculture

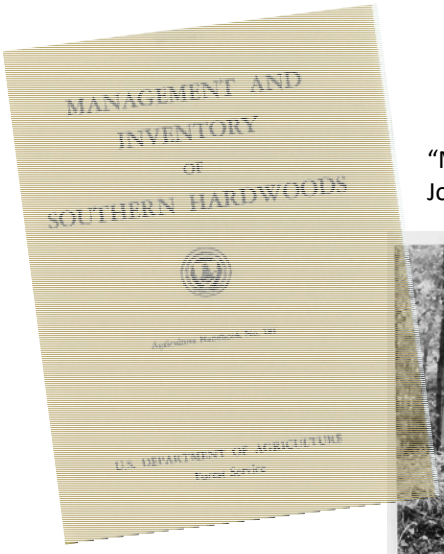


Obtaining cuttings from an elite cottonwood tree on Catfish Towhead, Bolivar County, 1954



* About 22.5 million acres of poplar plantations worldwide

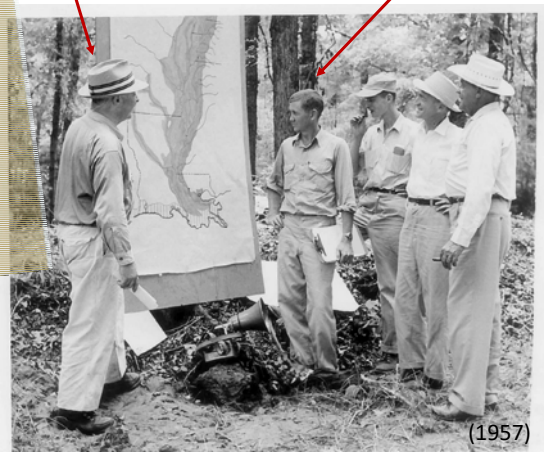
North America – 2
South America – 3
Europe – 16
Asia – 5
Africa – 2
Oceania - 1



Research Director:
1940-1941
1945-1957
Retired as Hardwood Specialist, 1969

"Mr. Hardwoods"
John Putnam

S. McKnight



(1957)