

On Friday, August 22, 1958, the group toured the Forest Industry Nursery and Genetics Station at Nisqually and the L. T. "Mike" Webster State Forest Nursery, south of Tumwater.

The 1958 Nurserymen's Meeting was adjourned. Some of the group left for **home** while others took advantage of their opportunity and invitation to tour the Weyerhaeuser Research Center in Centralia **and their seed** extraction plant located at Camp McDonald.

The population of Spain is about 30 million people, having increased from 21 million since 1939 or the close of the civil war in Spain.

Much of Spain has been cultivated and farmed for centuries; also, livestock have been grazed for perhaps an equal time. In fact, the range has been heavily grazed and exploited and the heavy grazing use continues.

The program of the present regime in Spain is to impound water in the main streams and to use the water for power generation and for irrigation on some of the better agricultural lands and for flood control purposes. This program immediately pointed up the need for afforestation and reforestation jobs of considerable magnitude. Much of the land is plagued with accelerated erosion and the consequent siltation of reservoirs presented an immediate problem. Many acres of so-called protection or watershed forests have been planted and plans are well laid to plant an additional acreage. Reforestation for wood production is currently under way and has **been** accelerated in recent years.

Much of the low land along the rivers has **been** subject to floods over the centuries. Where the rivers are controlled or are being controlled by dams, there is much reclamation work under way which consists of dikes, revetments, etc. to **stabilize** the fine **silts followed** by cultivation, the planting of wheat and several varieties of cottonwood (Chopo).

One of the first questions that will, no doubt, come to your mind is the tree species now **being** currently planted **in** Spain. There are Pinus pinea, Pinus pinaster, Pinus Halipensis, P. laricio, Scotch pine (Sylvestris), **Monterey** pine (P. insignis), Eucalyptus, mostly **globulus**, and several species of populus.

Methods used in reforestation:

1. Direct seeding, both broadcast and spot.
2. Bare root planting of seedlings and transplant.
3. Growing of seedlings in ceramic pots in nursery and transplanting with ball of soil.
4. Cuttings especially poplars.
5. Growing of small seedlings in tubes.

Thorough site preparation in either method.

Nurseries are well dispersed and vary in production from a few hundred thousand to two or three mm. The largest one I saw can produce about 10 mm seedlings and transplants.

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Following his talk, Mr. Farrell presented a series of very interesting slides. The pictures were taken during March, April and May, 1957, and were quite interesting in **comparing** their planting methods with ours. **Spain** has a terrific

Attendance at the August 21, 22, 1958

Nurserymen's Meeting, Olympia Washington

Abbott, Frank	State Department of Natural Resources	Olympia, Wash.
Adams, Ronald S.	California Division of Forestry	Sacramento, Calif.
Allen, Virgil	Olympic National Forest	Shelton, Wash.
Augenstein, J. W.	United States Forest Service, Savenac Nursery	Haugan, Montana
Baker, Lyle A.	Oregon Forest Nursery	Elkton, Oregon
Bamford, A. H.	Reforestation Division British Columbia Forest Service	Victoria, B.C.
Botts, James	United States Forest Service	Bend, Oregon
Buck, J. M.	United States Forest Service	San Francisco, Cal.
Butler, Charles R.	State Department of Natural Resources	Olympia, Wash.
Campbell, Robert K.	Col. W. B. Greeley Forest Nursery	Nisqually, Wash.
Cornelius, Royce	Weyerhaeuser Timber Co.	Tacoma, Wash.
Critchfield, H. M.	Glass Mtn. Ranch, Tree Farm and Nursery	St. Helena, Calif.
Crooks, Andrew E.	Olympic National Forest	Olympia, Wash.
Cummings, W. D.	Weyerhaeuser Timber Co.	Centralia, Wash.
Deffenbacher, F. W.	United States Forest Service Wind River Nursery	Carson, Wash.
DeJarnetto, G. M.	United States Forest Service Timber Management	Route 1, Missoula, Montana
Dingle, Richard Wm.	Washington State College	Pullman, Wash.
Doll, J. Henry	United States Forest Service	P.O. Box 458, McCloud, Calif.
Duffield, Jack	Industrial Forestry Assn.	Nisqually, Wash.
Ehian, R.	United States Forest Service Wind River Nursery	Carson, Wash.
Eide, Rex	Col. W. B. Greeley Forest Nursery	Nisqually, Wash.

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Attendance (cont'd)

Engstrom, W. W.	United States Forest Service	Bend, Oregon
Grimm, John H.	Col. W. 3. Greeley Forest Nursery	Nisqually, Wash.
Farrell, J. W.	United States Forest Service	Washington, D.C.
Fraser, Donald L.	State Department of Natural Resources	Olympia, Wash.
Haddock, Phil	Faculty of Forestry University of British Columbia	Vancouver, B.C.
Harmon, W. H.	United States Forest Service	Portland, Oregon
Hayward, Ernest	Washington State College	Pullman, Wash.
Hojem, Lyle	State Department of Natural Resources	Olympia, Wash.
Hopkins, Donald R.	State Department of Natural Resources	Olympia, Wash.
Jensen, Louisa	Oregon State College	Corvallis, Ore.
Lanquist, Karl B.	United States Forest Service	McCloud, Calif.
Long, J. R.	British Columbia Forest Service	Duncan, B.C.
Maerrwning, Supt.		Georgetown, Cal.
Matson, George	Washington State College	Pullman, Wash.
McDaniel, Vern W.	Oregon State Board of Forestry	Corvallis, Ore.
Metcalf, Woodbridge	1992 Yosemite Road	Berkeley, Calif.
Miller, E. R.	Los Angeles County Dept. of Forestry and Fire Warden	P.O. Box 3009 Los Angeles, Cal.
Plumb, H. L.		Rt. 8, Box 384 Olympia, Wash.
Prideaux, Dudely C.	Research Division B. C. Forest Service	Box 204 Duncan, B.C.
Charles A. Rindt	United States Forest Service	Portland, Oregon
Salisbury, Phil	Forest Biology Division	Victoria, B.C.
Schaeffler, Frank A.	College of Forestry Nursery University of Idaho	Moscow, Idaho

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Attendance (cont'd)

Smart, Robert A.	Coeur d'Alene National Forest	Coeur d'Alene, Idaho
Stone, Edward	University of California	Berkeley, Calif.
Thomson, Walter	United States Forest Service	Portland, Oregon
VanWagner, R. M.	Los Angeles County Dept. of Forestry and Fire Warden	P.O. Box 3009 Los Angeles, Cal.
Ward, Homer S.	State Department of Natural Resources	Olympia, Wash.
Webster, L. T.	State Department of Natural Resources	Olympia, Wash.
Wells, T.	British Columbia Forest Service	North Surrey, B.C.
Williams, Ward C.	The Timberman	71 Columbia St. Seattle, Wash.
Wilson, Boyd C.	State Department of Natural Resources	Olympia, Wash.
Wright, Ernest	Forest Lands and Research Center	Corvallis, Oregon