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Oakes Nursery Report for 1950

MEMBER
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U. S. Department of Agriculture

Oakes, North Dakota



Tree Plantings are the visible sign of an active conservation program in North Dakota Districts.

BOARD MEMBERS

- Glen Swanson, Chairman - - - - - Fairmount
- Earl Stearns, Exec. Sec.-Treas. - - - Ellendale
- Otis Tossett - - - - - Lansford
- Clarence Bruns - - - - - Oriska
- W. B. Taylor - - - - - Bowman
- Arvid Bring - - - - - Mayville
- A. D. McKinnon, Ex-officio - - - - Bismarck
- E. L. Worthington, Ex-officio - - - Mandan
- A. B. Linford, Ex-officio - - - - Wahpeton

Foreword

The Oakes Nursery Board, acting for the North Dakota State Association of District Supervisors, present this report for 1950.

It is a source of satisfaction to us who have been closely associated with the Oakes Nursery to see it develop from an idea in the minds of a few people to a successful reality.

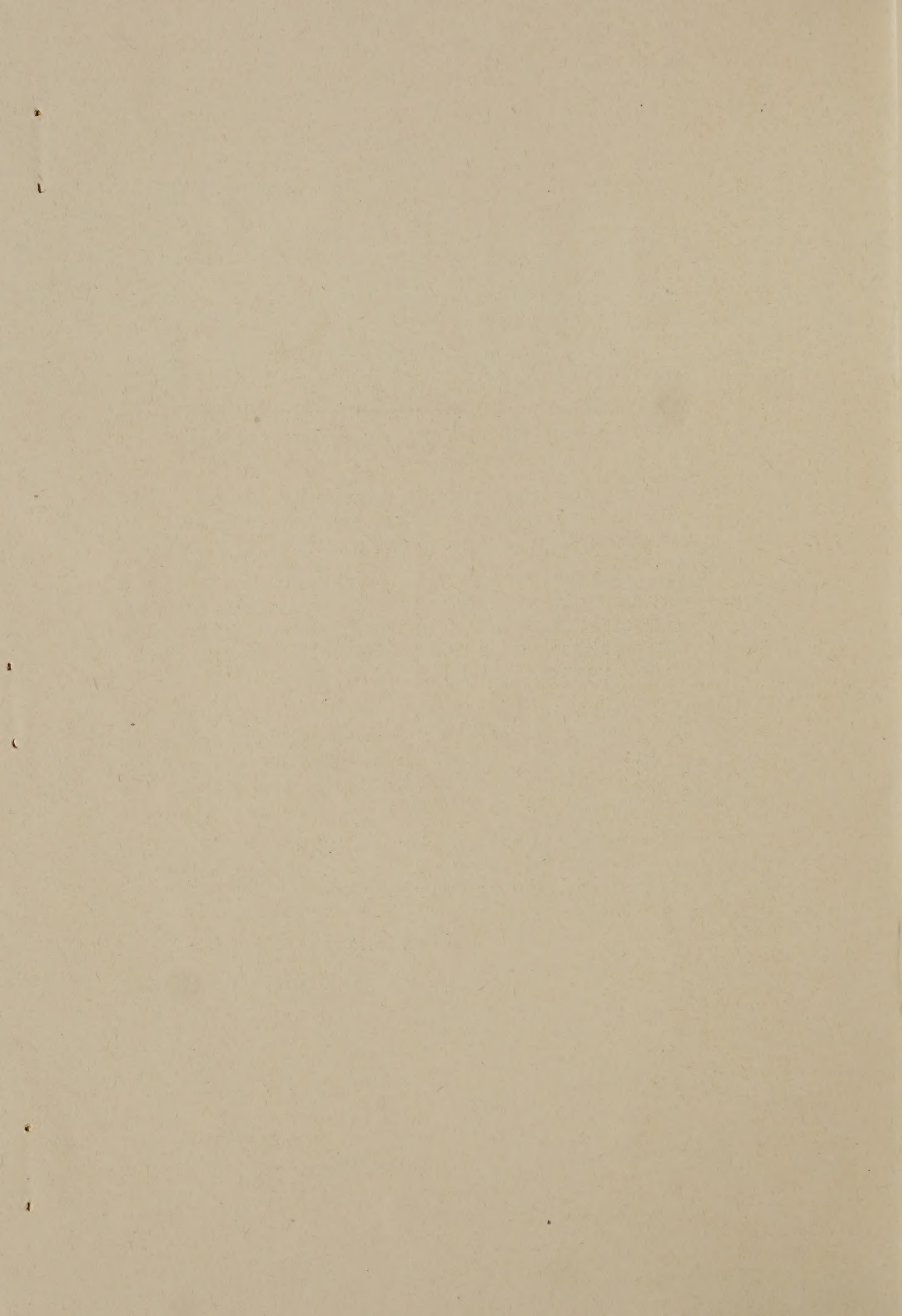
The support and close working relationship of several groups have been responsible for the success of the nursery. The seventy-eight Soil Conservation Districts in the State through financial assistance and purchase of tree stock have made this development possible.

The Soil Conservation Service in furnishing technical assistance for its operation, the Soil Conservation Service Nursery with aid in securing seed, and the State Soil Conservation Committee have all played an important part in the development of the Oakes Nursery.

The above groups are all represented on the Board of Managers and we will devote a portion of this report to acquainting you with the present board.

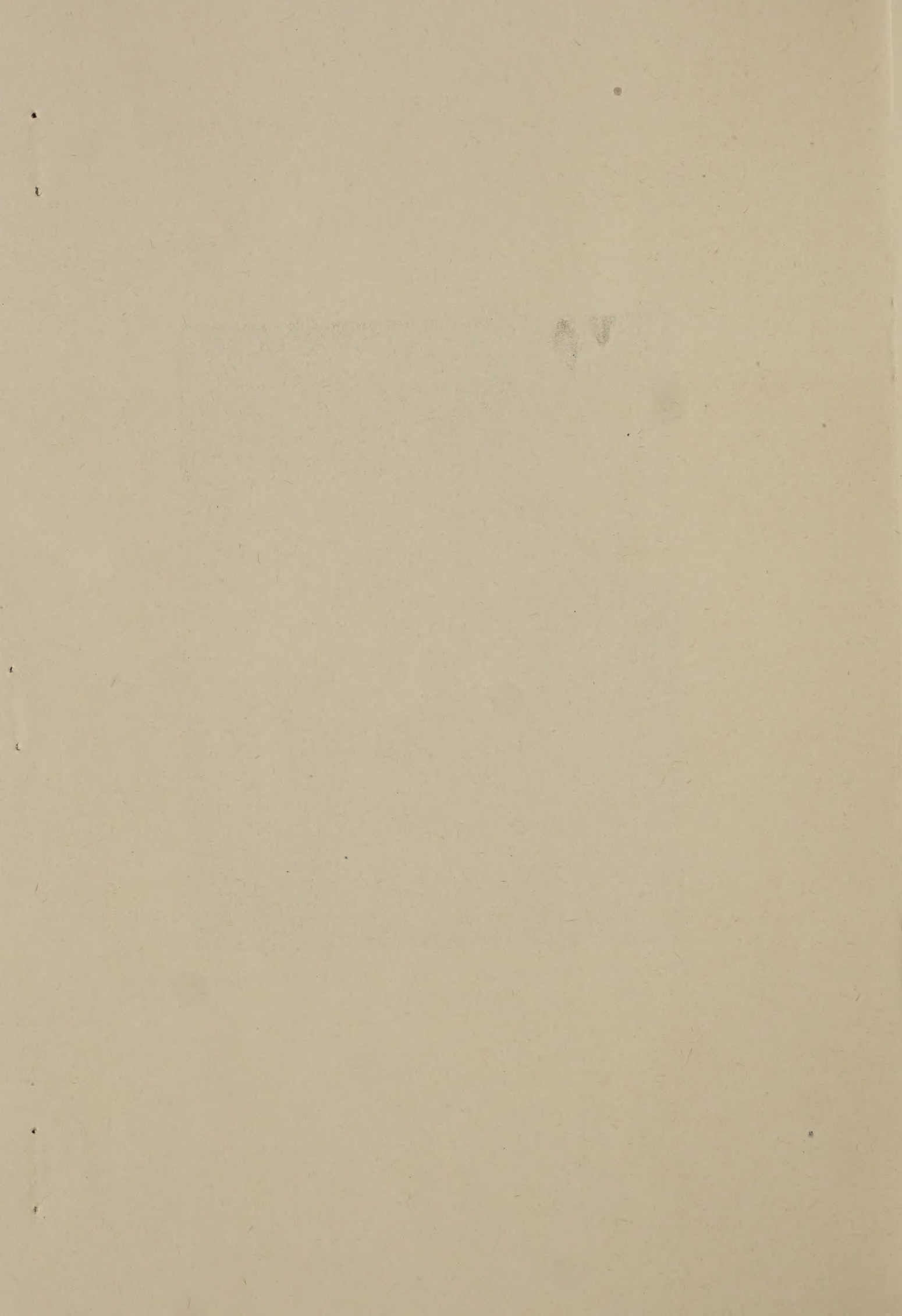
Glen Swanson, Chairman

OAKES NURSERY BOARD





*Nursery Entrance 1 mile south of Oakes,
North Dakota.*



NARRATIVE REPORT ON THE OAKES NURSERY FOR 1950

Nineteen-fifty completes the fourth growing season for the Oakes Nursery. We produced over one million trees for North Dakota districts and about two hundred thousand for the Mandan Nursery on contract. We have a larger carry-over of one-year stock than we had in 1949 although our usable stock for immediate delivery is slightly under last year's production. We have set a production goal of two million seedlings per year.

With the additional tract purchased late last fall the Nursery now contains one hundred and twenty acres. The new acreage addition to the Nursery underwent considerable preliminary development. The plot was designed into small blocks, and approximately two miles of shelterbelts were planted for wind protection. Sweet clover and alfalfa were added for cover crops along with a good volunteer stand. One-third of the acreage was kept in fallow and can be utilized for 1951 sowing. Delay in completing pump installations retarded the development of the new addition this year. It was planned to complete some seeding on this tract this fall, but the lack of water at the desired time prevented this operation. New improvements that the Board are considering for next year on the new land are: 1) Develop a new well and 2) install new pump and expand tree belts to cover more seed bearing species essential to our requirements.

Weather conditions were not particularly favorable to some tree species this season, being too cool and dry. The entire season was extremely windy, and a small amount of damage did occur from soil blowing. Last year's fall sown species as a whole were a failure. The application of water and fertilizer did not bring the desired growth of trees. The spring was late, the fall about normal, although no hard killing frost to defoliate the trees leaves up to full freeze up. Fall digging was not entirely completed; a small amount of honeysuckle and Russian olive remain in the field for spring.

Nineteen fifty was another excellent seed crop year. The nursery purchased and collected a good supply of cedar, buckthorn, caragana, lilac, Russian olive, boxelder, ash, plum, chokecherry, honeysuckle, buffaloberry thorn-apple and some minor species of seed. The nursery will have a carry-over of about one and one-fourth million seedlings. In addition twenty-five thousand Colorado spruce were purchased for 1951 transplanting. The Nursery plans to transplant one

hundred and fifty thousand conifers, fifty thousand Chinese elm, one hundred thousand willow, and twenty-five thousand other minor species in the spring of 1951, in addition to seed sowing.

The Board entered into an agreement to assist the flooded Mandan SCS Nursery by seeding pre-treated seed of ash and boxelder. This produced 125,000 useable boxelder and a carry-over of approximately seventy-six thousand ash for the fall of 1951. The above figures represent approximately 10% of the Oakes Nursery useable production and carry-over for 1950. The SCS Nursery is to assist the Oakes Nursery in supplying lining out stock of cottonwood, cedar and possibly some seed.

The disease and insect problem was light. The labor situation at the nursery was satisfactory this season. Labor was a little short early this fall, but improved for the main harvest.

Cooperation from the districts has been very good. We received orders much in excess of our inventories, and it became necessary to pro-rate the 1950 crop on the basis of past planting records in the State. Several of the species under-dug the inventories, resulting in further cuts. The main block of buckthorn and buffaloberry are to remain in field for another season's growth. Only a small amount of stock was purchased this year to supplement the Oakes Nursery production.

The 1950 season attracted a number of visitors, and in general the guests appeared pleased with your nursery.

Title to the Oakes Nursery is in the James River Soil Conservation District. We recommended that some steps be taken to secure the title in the name of the State Association or in the name of all the Districts in the State. In order to secure a more satisfactory method of tree distribution for North Dakota districts, we wish to recommend that a purchasing committee be set up to handle tree allocations and purchases for the districts of the State taking into consideration those trees available from the Mandan Nursery, School of Forestry and the Oakes Nursery. This committee to be composed of a representative of each of the Nurseries mentioned and they or their representative be authorized to buy commercially the trees needed to fill orders from districts.

ASSETS

Cash on hand, January 1, 1950	\$ 4,853.15
Tree Sales	\$ 26,468.60
Equipment Sold	145.00
State Committee Labor	643.26
Gas Tax Refund	85.40
Refund Lights and Fuel	288.01
Miscellaneous Receipts	319.80
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Net Income	27,950.07
Accounts Receivable	19,230.50
Property Inventory (Itemized on Page 5)	53,825.00
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Total Assets	\$105,858.72

LIABILITIES

Accounts Payable	\$ 3,599.30
Balance Due on Land	2,400.00
Loans from Districts	28,597.24
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Total	\$ 34,790.63
Expenditures 1950 (Itemized on Page 4)	31,597.24
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Total Liabilities	66,387.87
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Net Worth	\$ 39,470.85



Clean cultivation and adequate water are necessary to secure proper tree growth.

PROPERTY INVENTORY

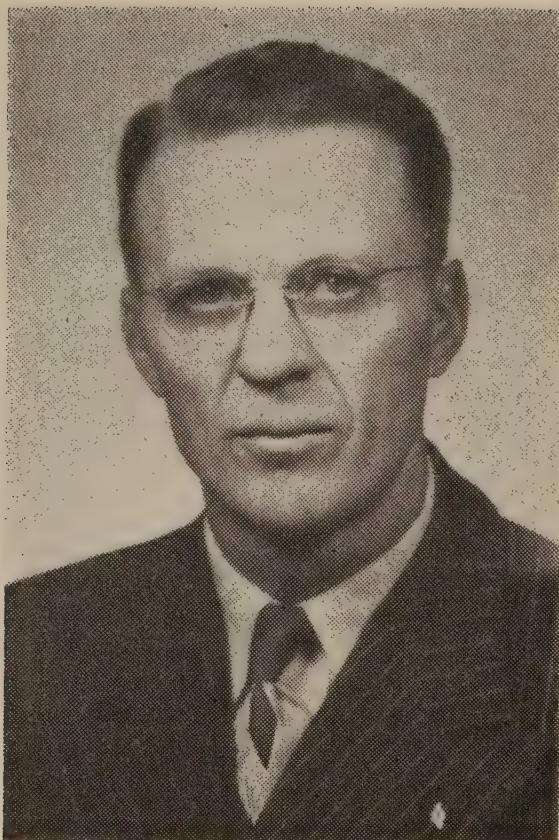
Wells (4)	\$ 2,400.00
Land, 120 Acres	6,900.00
Warehouse	9,650.00
Barn	1,000.00
Trees (464,000 for 1951)	9,500.00
Trees (1,255,000 carryover)	8,760.00
Liner Stock	1,580.00
Seed Planted	75.00
Seed on hand (market value)	4,685.00
Tractors (5)	1,200.00
Plows and Cultivators	400.00
Unicarriers and Diggers	200.00
Trucks	1,450.000
Pumps and Motors	3,200.00
Pipe and Sprinklers and Fittings	2,100.00
Small Tools and Miscellaneous Equipment	450.00
Seed Cleaner	275.00
Total Property	\$ 53,825.00



Clean ground preparation and protection from wind are important prerequisites for nursery production.

1951 PLANTING STOCK

		Fall Delivery	Spring Delivery	TOTAL
American Elm	..... @\$20.00 M	81,375	30,000	111,375
Green Ash	..... @ 15.00	168,050	63,000	231,050
Chinese Elm	..... 15.00 & 18.00	80,600	52,000	132,600
Russian Olive	..... @ 22.50 M	53,575	52,400	105,975
Boxelder	..... @ 17.50 M	172,200	58,850	231,050
Plum	..... @ 25.00 M	77,550	30,000	107,550
Caragana	..... @ 22.50 M	95,750	63,000	158,750
Buckthorn	..... @ 30.00 M	9,100	6,100	15,200
Honeysuckle	..... @ 40.00 M	7,900	26,500	34,400
Apricot	..... @ 50.00 M	3,250	2,700	5,950
Chokecherry	..... @ 40.00 M	15,600	10,850	26,450
Sandcherry	..... @ 37.50 M	44,750	20,700	65,450
White Willow	..... @ 30.00 M	28,975	23,650	52,625
Golden Willow	..... @ 30.00 M	7,800	4,475	12,275
Cottonwood	..... @ 12.50 M	3,920	400	4,320
Cedar	.....		2,500	2,500
Pine	.....		2,000	2,000
Miscellaneous	.....		750	750
Totals	.....	850,395	449,875	1,300,270



OTIS TOSSETT—Board member since 1947. Farms 1,920 acres of land near Lansford in Bottineau County. Chairman of Mouse River S. C. D. Board.



E. L. WORTHINGTON—of Mandan, N. D. Appointed to the Board in 1950 to replace A. E. Ferber. Manager of Mandan S. C. S. Nursery. Represents the Nursery section of the S. C. S.

1950 EXPENDITURES

Labor	\$ 10,852.86
New Equipment	4,686.78
Repairs and Maintenance of Equipment	956.51
Gas and Oil	572.29
Building Improvement (Includes new furnace) ..	1,122.92
Seed Purchases	1,154.71
Land Payment	620.00
Workman's Compensation	57.50
Insurance	215.46
Travel	169.59
Supplies	1,371.09
Secretary	130.00
Tree Purchases	8,456.30
Miscellaneous (Includes power for pumping and fuel)	1,231.33
Total	31,597.24

OPERATING CAPITAL AVAILABLE FOR 1951

Bank Balance, January 1, 1951	\$ 1,205.98
Tree Stock Delivered in Fall of 1950	19,230.50
Tree Stock to be Delivered in Spring of 1951	9,675.88
Sale of Used Machinery	600.00
Miscellaneous Receipts	1,200.00
Total	\$ 31,912.36

BUDGET FOR 1951

Labor	\$ 13,000.00
Social Security	300.00
Workman's Compensation	260.00
Pumps and Motors	2,000.00
New Irrigation Well	950.00
Pipe and Sprinklers	650.00
Seed Purchases	2,000.00
Tree Stock Purchases	3,000.00
Nursery Supplies	600.00
Fertilizer	600.00
Equipment (tractor and attachments and manure spreader)	2,000.00
Gas and Oil	700.00
Electricity	500.00
Land Payment	620.00
Secretary	130.00
Travel	300.00
Warehouse and Buildings (includes moving barn, etc.)	1,500.00
Maintenance and Repair of Equipment	500.00
Small Tools and Miscellaneous	1,000.00
Total	\$ 30,610.00

NURSERY LINER STOCK

	Total No.	Unit Cost	TOTAL
Cottonwood Liners	80,000	\$ 2.50	\$ 200.00
Chinese Elm	100,000	2.00	200.00
Western Red Cedar	80,000	8.50	680.00
Colorado Spruce	50,000	10.00	500.00
Total			\$ 1,580.00

TREE SEED DATA

	Total lbs.	Clean Seed Per lb. Cost	Market Value
American Elm	162	.25	40.50
Green Ash	825	.25	206.25
Russian Olive	383	1.00	383.00
Buckthorn	120	2.50	300.00
Cottoneaster	34	4.00	136.00
Golden Currant	1	5.00	5.00
Lilac	64	3.00	192.00
Pine (Ponderosa)	87	1.00 old	87.00
Spruce	2 ¹ / ₂	15.00	37.50
Apricot	86	2.00	172.00
Honeysuckle	47	3.25	152.75
Sumac	3	2.00	6.00
Nanking Cherry	1	2.50	2.50
Chinese Elm	141	1.00	141.00
Chokecherry	181	1.00	181.00
Black Walnut*	17		
Sandcherry	75	2.00	150.00
Caragana	132	1.25	165.00
Plum	1302	1.00	1,302.00
Buffalo Berry	25	8.50	212.50
Grape	1	3.00	3.00
Sib. Crabapple	2	2.50	5.00
Boxelder	224	1.00	224.00
Hackberry	110	1.00	110.0
Red Cedar	131	3.00	393.00
Rose (rubifolious)	1	5.00	5.00
Thorn Apple Morden**	14		
Wild B. Cherry**	5 ¹ / ₂		
White Willow***	100,000	4.00	400.00
Golden Willow***	80,000	4.00	320.00
Honeysuckle***	10,000	4.00	40.00
Thorn Apple	11	1.50	16.50
Pricepia Cherry **	4		
Total			\$ 4,685.00

* Furnished by W. D. Anderson, Antelope District.

** Furnished by State Game and Fish Department.

*** Cuttings.



ARVID BRING—Elected to Board in 1949. Farms 640 acres of land near Galesburg, N. D. Chairman of West Trail S. C. D. Board.



EARL STEARNS—Secretary-treasurer of Board since 1947. Appointed by Board. Owns 560 acres near Ludden, N. D. Formerly member of James River S. C. D. Board.

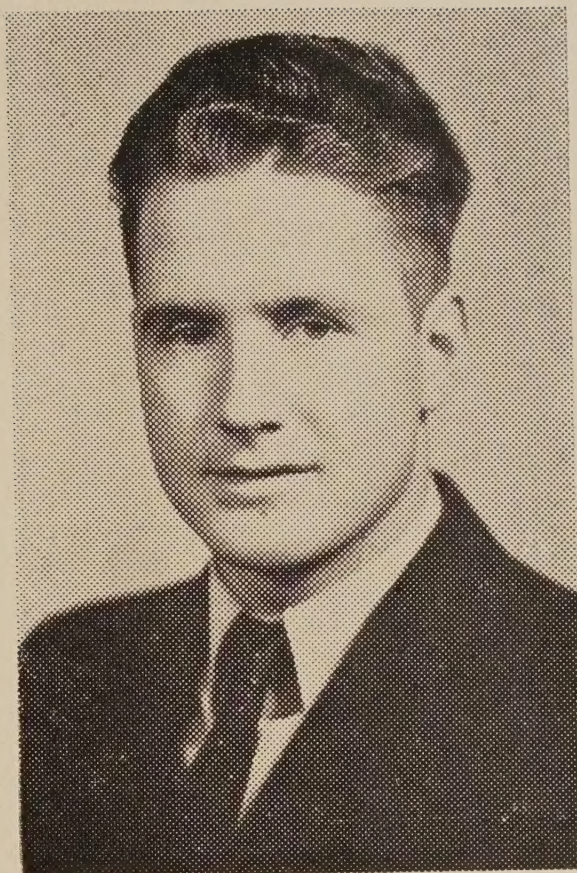


W. B. TAYLOR—Board member since 1947. Farms 2,400 acres of land near Bowman, N. D. Chairman of Bowman County S. C. D. Board.

A. D. McKINNON—of Bismarck, N. D. Ex-officio Board member appointed by Board in 1947 to represent State Soil Conservation Committee. Formerly State Conservationist of S. C. S. Now Executive Secretary of the State Soil Conservation Committee.



A. B. LINFORD—of Wahpeton, N. D. Appointed to Board in 1947 to represent S. C. S. District Conservationists.



GLEN SWANSON—Chairman of Board since 1947. Chairman of South Richland S. C. D. Board. Farms 480 acres of land near Fairmount, N. D.

We failed to secure a picture of Clarence Bruns, member from Oriska in Barnes county. Mr. Bruns was elected to the Board in 1950 to fill the unexpired term of Olaf Boe.

Several other people have contributed much time and effort toward making the nursery a success. Former Board Members — Torrey Pederson of Stanley. Olaf Boe of Ambrose; T. W. Mitchell of Churchs Ferry; and A. E. Ferber of Mandan; have all served on the Board and a vote of thanks is due them for the work they have done.

Our Nursery Manager, N. A. Devick, and Nursery foreman, Gordon Kutzer, of Oakes, N. D., are doing a good job of carrying out development work on the Nursery. The James River District and the business men of Oakes, have all been very cooperative.

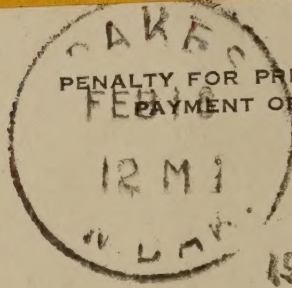
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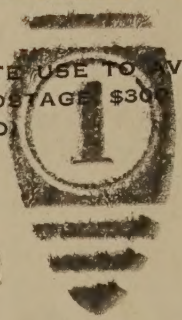
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