

Day-NW
SD
421
P68a
1959/60

PTPA

Potlatch Timber Protective Association

1959 - 60

COMBINED ANNUAL REPORT

56th Year
of Cooperative
Forest Protection
State - Federal - Private





POTLATCH TIMBER
PROTECTIVE ASSOCIATION

PRIVATE - STATE - FEDERAL

COOPERATIVE FOREST PROTECTION

ESTABLISHED 1905

Official Directory

Potlatch Timber Protective Association

1959 and 1960

George W. Beardmore, *President* Lewiston, Idaho
Roger L. Guernsey, *Vice-President* Boise, Idaho
Adrian G. Nelson, *Secretary-Treasurer* Orofino, Idaho
A. B. Curtis, *Chief Fire Warden* Orofino, Idaho

DIRECTORS

George W. Beardmore Lewiston, Idaho
Roger L. Guernsey Boise, Idaho
R. G. Sackerson Seattle, Washington
J. C. Parker Spokane, Washington
Jack Mead (1960) Juliaetta, Idaho
John Sanford (1959) Coeur d'Alene, Idaho

COMMITTEE ON FIRE PROTECTION

Roger L. Guernsey, *Chairman* Boise, Idaho
George Rauch Lewiston, Idaho
J. C. Parker Spokane, Washington

AUDITING COMMITTEE

Roger L. Guernsey, *Chairman* Boise, Idaho
George Rauch Lewiston, Idaho
W. G. Cochran St. Maries, Idaho

LEGISLATIVE COMMITTEE

Roger L. Guernsey, *Chairman* Boise, Idaho
Jack Mead (1960) Juliaetta, Idaho
E. C. Rettig Lewiston, Idaho
John Sanford (1959) Coeur d'Alene, Idaho



To eliminate brush areas along road, and in some instances, other areas, this spray outfit was built in Association shops in 1960. The chemical 245-T was used and results of 1960 spraying operations varied from fair to good on different locations. In another year with a season of experience, equipment will have more use with desirable results to answer another good forest management problem.

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1959-60 Report of the Fire Warden

Orofino, Idaho
November 30, 1959

Officers and Directors:

POTLATCH TIMBER PROTECTIVE ASSOCIATION

I hereby submit my biennial report as Chief Fire Warden of the Potlatch Timber Protective Association for the period of December 1, 1958 to November 30, 1960, both dates inclusive.

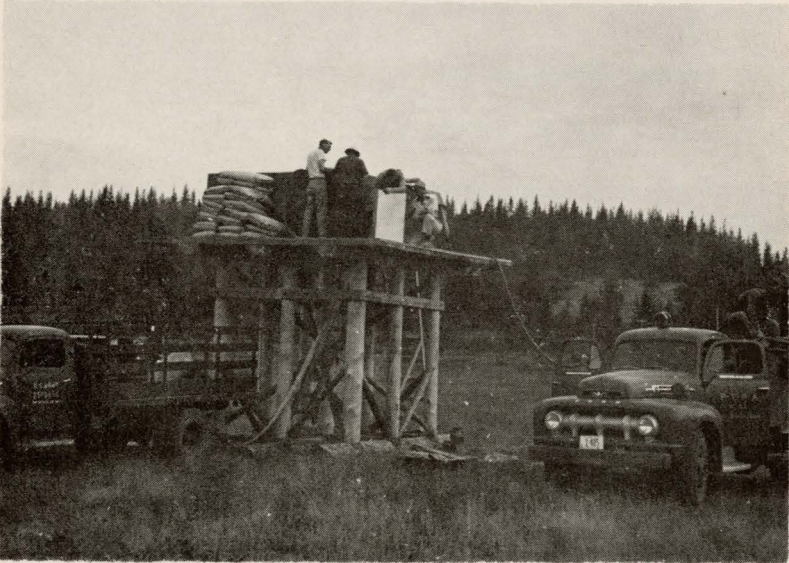
THE 1959 FIRE SEASON AND WEATHER

While the 1959 fire season started early with warm dry June and July weather, the first fire action did not occur until July 1, the result of an electrical storm. The months of June and July were lacking in normal rainfall, and a serious fire situation developed by mid-summer. Late August rains relieved a very serious fire situation, and the September rains were heaviest on record (7.79) to completely terminate the fire season activities at an earlier date than usual.

The over-all precipitation received during the four months fire season (June through September) was 11.41 inches—compared to a twenty-five year average of 6.20 inches. It is interesting to note, however, that 8.63 inches of this heavy precipitation came from August 21 to September 30. The remaining 2.78 inches of rain received from June 1 to August 20 provided a long period of over two and a half months of exceptionally dangerous conditions with dry fuels.

Near midnight on July 31 and on August 1 dry and severe electrical storms visited the central and eastern portions of the Association area causing the start of 24 fires. Strong winds accompanied the storm and prompt strong action was required. Fires set in old slash and cutover areas gave little trouble, and we were fortunate to lose but 22 acres of forest land. Association manpower was taxed to the limit and considerable help was recruited from Association operators to achieve control. The fires starting during the night gave crews a few hours before the heat of the day to make use of the effective work period during mid-night and early morning.

In the action to bring the fires under control three bulldozers were commandeered from operators of the region and some 125 emergency men were recruited. We had unexcelled cooperation from our operators and cooperating forest agencies.



BENTONITE TOWER AT AIRPORT

With the use of fire retardants the Association built a storage tank of about 2,500 gallon capacity from which either tanker trucks or planes can be supplied. The tank is located at the airport and built about twelve feet from the ground to afford gravity feed to the vehicle.

INSURANCE

Our Association has long recognized the need for the best available insurance to protect its employees, the employees of others, the Association members, equipment and material of our own ownership and the ownership of others. In case of fire, as much equipment as necessary is commandeered for emergency use since it would not be economical or practical for the Association to own every piece and type of equipment that might be direly needed during emergencies. Forest protection committees of the Association have considered insurance problems and obtained insurance believed to be adequate for any foreseeable situation. In our insurance coverage is a policy to protect the owner of equipment commandeered for fire protection purposes.

On the Clearwater Association during August fire emergencies a D8 bulldozer was badly damaged in a fire control

effort. The cost of repair to the machine, to put it in as good condition as when it was taken from the owner, amounted to a sum in excess of \$25,000. The Clearwater Association's insurance coverage, like the Potlatch Association, for such indemnity was \$30,000, and their insurance protection payments are being questioned at this writing by their carrier. Civil action may be taken by the owner of the machine to recover the loss. Meanwhile your directors and management are earnestly seeking a more satisfactory insurance program which in the future will be as infallible as possible. Certainly we shall have great difficulty in obtaining men, material and equipment to handle fires in the coming years should the owner of this equipment have difficulty in being paid for his losses.

Extensive training programs have been held each year to acquaint our new employees and those of our cooperating organizations in the technique of fire control. Well trained men in fire fighting are and have been difficult to obtain. To improve our organization and fire planning further programming in fire protection will be carried to the many workers of the forest who may conceivably come in contact with project fires.

BORATE AND HELICOPTERS

During the 1959 fire emergencies the use of borate, a product to retard the spread of fires, was tried on the Clearwater Association and elsewhere in the region. It is hoped that before another year the use of borate or other fire retardants can be made available to our associations. It is quite likely that a cooperative program with the State Forestry Department and other protection agencies can be worked out for the mutual good.

Helicopters and airplanes performed most valuable service in our 1959 fire control activities. It is felt by the writer that the helicopter is a machine of great value to the men directing fire control activities and doing other necessary work in connection with fire control. It is sincerely hoped that greater use of a helicopter or several machines may be achieved in the near future. Machines, fire retardants and chemicals undoubtedly will play a far greater part in fire control activities in the immediately ensuing years.

Big labor crews on the fire line are very costly. The only solution to the situation is the development of machines and chemicals which will take their place.

Orofino, Idaho
November 30, 1960

1960 FIRE SEASON

The 1960 fire season will be remembered for many years by those who were in charge of fire control activities as a year of great potential danger until August 1. Rains of August 1 and 2 brought 1.05 inches of rain, and after that date danger slowly diminished. Light showers and cooler weather which followed through August and September developed weather not so severe.

An earlier than usual season started with warm spring weather, the driest June of record and the second driest and warmest July of record. These circumstances created by mid-summer a forest fire danger unparalleled in Association history.

The peak of the season was reached on July 14 when an electrical storm visited the Association from which only 5 fires developed. Unusual light electrical storm activity was notable this year and the Association can report a year of far less than the normal expected fire occurrence. A total of only 15 fires was recorded, of which 10 were caused by lightning, 3 miscellaneous and 2 caused by hunters. This light fire activity during 1960 makes the second year of few fires with the year 1954, when only 12 fires developed, being the lightest.

Nearly three months of fire control activity, starting with the first fire on July 8 and the last fire requiring control work on October 2, is considered as a normal period of fire fighting activities. The average number of fires expected on the Potlatch Timber Protective Association for its 55 years of history is 62.

Our 55-year records show that about 67 percent of all fires are caused by lightning and 33 percent are man caused. In spite of more lumbering activity, recreation and tourists, our man caused occurrences of fire are slowly, but gradually, declining. This, in my estimation, is a fine tribute to our Keep Idaho Green programs and other advertising mediums of getting a more fire conscious public.

IMPROVEMENT PROGRAM

Fire danger during the 1959-1960 fire season was serious, and much programmed development and improvement

work had to be set aside. Some work worthy of note was accomplished however, where the manpower could be located and placed to the advantage of fire occurrences. The principal development work the past two years is as follows:

1. Extensive repair of McGary and Hemlock Butte look-out towers.
2. Construction of detection facilities at Smith Ridge.
3. Improvement of Boehl's Cabin with warden's living quarters and shop facilities being constructed.
4. Tool repair and tool storage facilities improved at Elk River.
5. Several miles of low standard road development in logging areas.
6. Housing facilities improved at Elk River.
7. Miscellaneous equipment development: Two additional tanker trucks were built the past two years; a chemical air-operated tanker with capacity of 712 gallons of solution (in cooperation with CTPA); bentonite storage tank to contain pre-mixed fire retardant at the airport.



BRUSH CONFERENCE TRIP

During September of 1960 representatives of the U.S. Forest Service, B.L.M. (Department of Interior), State of Idaho, industry and Association visited operations of our two Associations to view hazard management work. This group of 25 or so persons is an excellent group of well informed people from which many valuable ideas come. Trips such as this are planned each year and surely better forestry will be the result.

SLASH DISPOSAL

Hazard reduction and management programs during the 1959 and 1960 seasons on the Potlatch Timber Protective Association were carried on by the Potlatch Forest Protective District through the office of the State Forester. The tables showing production figures and money collected are included in this report for information on these operations.

The weak forest-products economy and declining, or poor, lumber markets have reflected a lower production total and less dollars collected in 1960 as compared to the recent preceding years. This lowering of income from this source and the uncertainties of the future have called for a great effort to economize. Every item of expense in each job in hazard control work reflecting cash balances has been carefully scrutinized to determine desirability and necessity. Reduction of crews with more work by machines has been part of the result. An intense, thorough review of all expense items has also resulted in a few dollars saved in our operations.

To keep operational expense items in reasonable figures we are combating inflation on one hand and difficult economics on the other, all of which makes the job of management very tedious and delicate.

While there is merit to adjustments in hazard reduction rates, this certainly is not the answer. "A MORE CAREFUL STUDY OF WORK JUSTIFICATION WITH THE CORRECT FOREST PRACTICES AND A THOROUGH UNDERSTANDING OF HAZARD MANAGEMENT RATHER THAN HAZARD REDUCTION MUST BE THE OBJECTIVE IF A GOOD SOUND PROGRAM OF FOREST MANAGEMENT IS TO BE MAINTAINED."

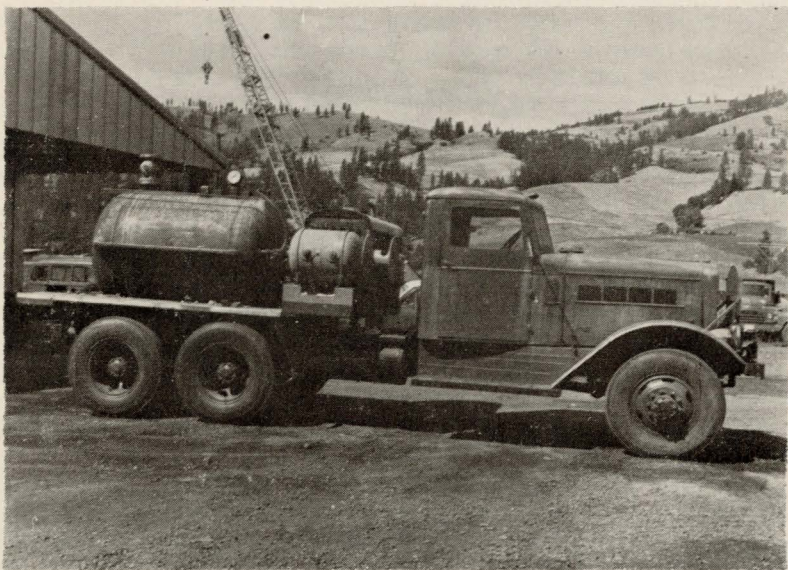
SUMMARY

Many new achievements can be credited to the past biennium. Some notable advancements are the use of fire retardants. Only in the past few years sodium borate has become a much talked-of product. It has had its handicaps, however, for ground application. This problem resulted in the creation of bentonite and in some cases the combination of solutions containing other materials with bentonite to enhance the mixture for certain fuel types. This has all come about in the past two years. Considerable effort has been expended through research and experimental use to extend and determine feasibility.

At this time another product of fire retardant nature has reached the market. The exact values of the product are as

yet not generally known by many of the forest protection field, but hopes are high that this new material will make another valuable contribution in the fire retardant field. Information at this time regarding the product called Keltex FF indicates that it may be used either as air drops or, with the modified and conventional equipment, can be applied from the ground from tankers.

Considerable improvement in weather forecasting was achieved this year. Weather information has been made available to our Associations and this information, through coordination of our Association and industry radio systems, has been promptly broadcast into the field for use of all woods personnel. This has contributed much in giving fire danger information to our cooperators and the men in industry who, like Association protection people, are very alert to the dangers of fire. This greater coordination of our radio systems has effected a better balance of manpower reserves over weekends and periods of anticipated electrical storm activity. Better rotation of key forest fire fighting personnel gives our Association management a well balanced program of manpower retainment in the woods.



AIR COMPRESSOR TANK

Some fire retardants are very abrasive to pump gears and this 712 gallon air-operated unit tanker truck was built in our shops this summer. It had some use during August fires and performed very well. The air compressor is a 105 cubic feet diesel powered machine and provides plenty of air at 100 pounds pressure. A shut-off nozzle is located at the end of the line to enable better application of the slurry used.

FORESTRY LAW—LEGISLATION

The 1959 Legislature of the State of Idaho extended the closed fire season from June 1 to September 30, inclusive, to include the months of May and October. The longer fire season has been very helpful to reduce forest losses from indiscriminate burning. Many acres of fine timber stands have been lost by careless burning during early spring and late fall without the protection of the closed fire season recently lengthened. Many people in past years have not appreciated the real values of forest growth, and apparently lack judgment on the dangers of fire during early spring and late fall.

During late 1960 several meetings were held by stockmen and others who were interested in more liberal burning opportunities. Claims have been made that burning permits were difficult to obtain and that forest officials were inconsiderate of the grazing interests. This is an untrue allegation. It is hoped that whatever difference exists can be worked out. It would be a serious mistake to change the fire law to the benefit of a few people's temporary and personal interests to the detriment of the State of Idaho and one of its most cherished resources.

CONCLUSION

With the 1959-1960 years recorded as very difficult and dangerous I am most grateful for the help and assistance given me by the many men who have served on committees, as directors and as cooperators in the field. More than ever before I can frankly state that we had a most understanding people to work with and determination has never been so strong as it is now to keep our forests green and productive.

The challenge is great and the years ahead will be just as trying as those behind us. Progress is not achieved through complacency or an attitude of being self-sufficient. The goal of continued achievement is worth working for.

My thanks to the many who have worked hard as companions and cooperators and I have held high their views for the goal of better forestry and a better country. Their loyalty to the job goes beyond my ability to express.

Respectfully submitted,

A. B. CURTIS

Chief Fire Warden

REPORT ON BLISTER RUST CONTROL OPERATIONS ON THE POTLATCH TIMBER PROTECTIVE ASSOCIATION 1959 - 1960

State and private blister rust control crews eradicated ribes from the cut-over lands in the East Fork Potlatch drainage during the 1959 and 1960 work seasons. In addition to the hand eradication work two truck-mounted power spray units were used to kill very heavy ribes concentrations in Sections 21 and 28, T. 41 N., R. 2 E. A 5-man crew removed Ribes *peteolare* and *lacustre* from the stream zones on the Middle Fork St. Maries River in May of 1960. The early eradication work in May aided in doing a more efficient and faster eradication job as the gooseberry and currant bushes always sprout their leaves about 10 days prior to other bushes. Also, this early work is easier as the ground can be searched before ferns, nettles, grass, or annual plants are lush enough to interfere with the work.

The future ribes eradication work on State and Private units will be limited to: (a) areas prepared for planting to western white pine; (b) areas planned for natural regeneration of western white pine; (c) stands under 20 years of age; (d) stream type areas; and (e) high rust-hazard areas. Other white pine stands within the present control units in need of protection will be treated with antibiotics.

The planned ribes eradication work during the next two years will be carried on in the logged-over lands in the East Fork Potlatch drainage. One 30-man camp will be needed to perform the necessary eradication work in this drainage. All other cooperative blister rust control crews will be projected to the control of blister rust by the use of antibiotics.

The first St. Joe antibiotic treatment crew working in the State and Private program was organized during the summer of 1959. This 7-man crew treated young white pine near Elk River. The 1960 Cooperative program increased the antibiotic workers to 30. Spray crews treated white pine in the Upper Elk (187A), Bull Run (190A), and Moose Cr. (177) units near Elk River and Bovill. Antibiotic treatment will continue in these high-value 20-40 year old white pine stands during the next two years.

The ribes eradication accomplishments on State and Private units during the 1959 and 1960 seasons are as follows:

Year	Men Employed	Acres Worked (Hand)	Acres Worked (Chemical)	Man-days	Ribes Destroyed
1959	60	3,910	210	2,540	481,000
1960	30	1,350	120	1,430	391,200

Summary of antibiotic treatment of white pine stands in the Cooperative units during 1959 and 1960:

Year	Men Employed	Acres Treated	Man-days	Trees Treated
1959	7	460	170	39,000
1960	30	3,230	1,170	340,000

Experimental work in the application of antibiotics from a helicopter and fixed-wing plane was carried on during May of 1959 and June of 1960. The aerial spray experimental program was supervised by Virgil Moss from the Blister Rust Control Development and Information Division in Spokane, Washington. The spray plots were located in 20-40 year old white pine stands on Federal lands near Clarkia and Bovill. The results of the aerial spray projects appear very promising. Additional aerial spray work is planned for next season.

The Cooperative blister rust control project is financed from funds received from the P.T.P.A. assessments, State of Idaho allotments, and Federal matching funds.

The funds available for operating the Cooperative blister rust control program for 1959 and 1960 are as follows:

Year	Federal Funds	State Funds	Private Funds	Total Funds
1959	\$41,000	\$29,000	\$8,606	\$78,606
1960	41,000	29,000	8,611	78,611

The St. Joe blister rust control field headquarters is being moved from the old Rutledge Lumber Company buildings in Clarkia to new quarters at the Clarkia Ranger Station. New buildings at the station include a 75-man mess hall, two 12-man bunk houses, a new office addition to the District administration building, and one 10-stall vehicle storage shed. Additional construction of a warehouse and several equipment storage sheds is planned. The warehouses and equipment sheds at the old headquarters site are still being used for storage and equipment repair.

All crews in the cooperative camps were given fire suppression training. Cooperative crews spent 215 man-days in 1959 and 510 man-days in 1960 on fire suppression work.

PTPA FIRE WEATHER

	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	Ave.
June	2.36	4.38	1.55	2.19	2.14	3.59	1.32	3.80	2.16	4.76	2.83
July	.09	1.14	.49	1.11	1.84	.57	0.00	.30	.93	1.35	.78
August	1.17	.57	.64	2.38	.03	3.67	1.25	.42	.46	.30	1.09
Sept.	7.79	2.90	.33	1.29	2.60	.63	.52	.49	1.51	.37	1.84
Totals	11.41	8.99	3.01	6.97	6.61	8.46	3.09	5.01	5.06	6.78	6.54

POTLATCH AND CLEARWATER OWNED AIRPLANE USAGE

Season—1959

Item	Hours
Fire Patrol and Directing Men to Fires	60.11
Passenger Service	21.55
Radio Technician Service	15.85
Equipment Service	16.61
Inspection Trips, Slash and Road Inspection	19.28
Search and Rescue, Public Service	15.59
Fire School	1.11
Ambulance Service	2.25
Excess Property	21.86
Total Hours	174.21

AIR COST BREAKDOWN—1959

Regular Fire Patrol	\$1,634.54
Passenger Service—Association Employees	108.89
Fire Training Program	37.69
Location and Buzzing (Directing) Men to Fires ..	593.19
TOTAL COST—Tom's Flying Service	\$2,374.31
ASSOCIATION PLANE (Repairs, Gas, Oil, Inspections, etc. Pilot wages not included)	413.64
TOTAL AIR COSTS FOR YEAR	\$2,787.95
LESS—Credit Hazard Reduction Account	1,380.00
TOTAL PTPA COSTS	\$1,407.95

Pilot regular Association employee on regular work schedule
and used as pilot when needed.

FIRE OCCURRENCE OVER A 36 YEAR PERIOD
(1924 - 1959 Inclusive)

	36 Year Total Number	Total Percent	36 Year Average Number
Lightning Fires	1,524	67%	42.3
Man Caused Fires	737	33%	20.5
TOTAL	2,261	100%	62.8

BREAKDOWN OF FIRES

Lightning	1,524	67%	42.3
Unknown	51	2%	1.4
Brush Burning	91	4%	2.5
Campers and Hunters	140	6%	3.9
Railroad	24	1%	.7
Smokers	225	10%	6.3
Incendiary	105	5%	2.9
Miscellaneous	101	5%	2.8
TOTAL	2,261	100%	62.8

WEATHER INFORMATION

Observations Taken at P.T.P.A., Elk River, Idaho 1959

Date	Prec.	Monthly Totals	Totals Car. Fwd.	Prec. During Fire Season
May				
1	.25		.25	
2	.33		.58	
3	.20		.78	
4	.03		.81	
5	.22		1.03	
10	.11		1.14	
15	.25		1.39	
16	.78		2.17	
18	.25		2.42	
19	.07		2.49	
20	.05		2.54	
21	.02		2.56	
26	.11		2.67	
27	.04		2.71	
28	.25		2.96	
30	.15		3.11	
31	.04	3.15	3.15	
June				
5	.45		3.60	.45
6	.82		4.42	1.27
7	.03		4.45	1.30
9	.13		4.58	1.43
10	.55		5.13	1.98
24	.26		5.39	2.24
28	.05		5.44	2.29
29	.07	2.36	5.51	2.36
July				
6	.02		5.53	2.38
7	.03		5.56	2.41
8	.04	.09	5.60	2.45
August				
12	.02		5.62	2.47
19	.17		5.79	2.64
20	.14		5.93	2.78
21	.47		6.40	3.25
23	.03		6.43	3.28
26	.04		6.47	3.32
31	.30	1.17	6.77	3.62

WEATHER INFORMATION—CONTINUED

Date	Prec.	Monthly Totals	Totals Car. Fwd.	Prec. During Fire Season
September				
1	.14		6.91	3.76
4	.10		7.01	3.86
5	1.12		8.13	4.98
6	.71		8.84	5.69
8	.14		8.98	5.83
13	.05		9.03	5.88
14	.06		9.09	5.94
15	.75		9.84	6.69
18	.05		9.89	6.74
19	.09		9.98	6.83
20	.59		10.57	7.42
21	.64		11.21	8.06
22	1.20		12.41	9.26
25	.26		12.67	9.52
26	.46		13.13	9.98
27	.84		13.97	10.82
28	.29		14.26	11.11
30	.30	7.79	14.56	11.41
October				
7	.40		14.96	
8	.02		14.98	
9	1.15		16.13	
11	1.11		17.24	
12	.49		17.73	
20	.10		17.83	
21	.56		18.39	
22	.61		19.00	
23	.58		19.58	
25	.50		20.08	
28	.41		20.49	
29	.21	6.14	20.70	

TABLE NO. 1
SHOWING FIRES BY CAUSE, EXTENT OF LOSS, CLASS AND
ACREAGE INSIDE ASSOCIATION BOUNDARY
 1959

	Lightning	Smoker	Railroad	Camper	Misc.	Debris Burning	Total
No. Fires	27	2	2	1	1*	1	34
Per Cent	79.5	5.9	5.9	2.9	2.9	2.9	100
Acreage	22	0	0	0	0	0	22
Class of Fire	A	17	2	2	1	1	24
	B	10	0	0	0	0	10
	C	0	0	0	0	0	0
Loss MBF	41	0	0	0	0	0	41
Loss Poles	4	0	0	0	0	0	4

*Loader on Landing

TABLE NO. 2
SHOWING NUMBER OF FIRES IN VARIOUS TIMBER TYPES

	Lightning	Smoker	Railroad	Camper	Misc.	Debris Burning	Total
Cut Over	7	0	0	1	1	0	9
Mer. Timber	16	1	0	0	0	0	17
B.O. Grass Land	4	1	2	0	0	1	8
Reproduction	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total	27	2	2	1	1	1	34

TABLE NO. 3
FIRES IN FUEL TYPES

	Extreme High	High	Normal	Total
Acreage in Association	10,150	15,652	440,037	465,839
Percent of Area	2.2	3.4	94.4	100%
Fires Expected	2	4	55	61
Actual No. of Fires	4	15	15	34
Percent	12	44	44	100

DETAILED STATEMENT OF FIRES—1959

No.	Name	Date	Acres	Sub.Div.	S	T	R	Land Owner	Cause	Type of Land	Damage
1.	Smith Ridge	7-1	Spot	SENW	12	41N	5E	State of Idaho	Lightning	Mer.Timber	None
2.	Shake Mill Elk River	7-4	Spot	SENW	23	40N	2E	U.S.F.S.	Debris Burn	B.O. & Grass	None
3.	Airport	7-16	Spot	NENW	26	40N	2E	P.F.I.	Railroad	B.O. & Grass	None
4.	Lindy Creek	7-16	Spot	NWNW	3	40N	2E	U.S.F.S.	Railroad	B.O. & Grass	None
5.	Mouth Elk Creek	7-26	Spot	NESE	24	38N	1E	P.F.I.	Smoker	B.O. & Grass	None
6.	Windy Point	7-31	4A.	SESE	31	41N	3E	P.F.I.	Lightning	Mer.Timber	4 MBF
7.	Head of Breakfast C.	7-31	Spot	NENW	4	40N	3E	P.F.I.	Lightning	Mer.Timber	None
8.	Camp 43	7-31	Spot	SESW	5	39N	3E	P.F.I.	Lightning	Cutover	None
9.	Elk Butte No. 1	7-31	Spot	SWNE	5	40N	3E	P.F.I.	Lightning	Mer.Timber	None
10.	Breakfast Creek	7-31	½A.	NESW	17	41N	4E	State of Idaho	Lightning	Mer.Timber	1½ MBF
11.	Old Diamond Camp	7-31	½A.	NWNW	16	40N	3E	State of Idaho	Lightning	Cutover	4MBF
12.	Elk Butte No. 2	7-31	Spot	SENW	5	40N	3E	P.F.I.	Lightning	Mer.Timber	None
13.	Elk Butte No. 3	7-31	Spot	SENW	5	40N	3E	P.F.I.	Lightning	Mer.Timber	None
14.	Camp X	7-31	Spot	NENW	32	41N	4E	State of Idaho	Lightning	Cutover	None
15.	Goat Creek	7-31	Spot	SWNW	18	42N	5E	State of Idaho	Lightning	Mer.Timber	None
16.	Middle	7-31	4A.	SWSW	1	41N	3E	P.F.I.	Lightning	Cutover	None
17.	Brumfield Slash	7-31	4A.	SWNE	1	41N	3E	P.F.I.	Lightning	Cutover	None
18.	Kuykendall Ridge	7-31	2½A.	NESW	30	42N	4E	U.S.F.S.	Lightning	Mer.Timber	10MBF
19.	Trapper Creek	7-31	2A.	SESW	31	41N	4E	State of Idaho	Lightning	Mer.Timber	13MBF 4 Poles
20.	Woesner Ridge No. 2	8-1	Spot	NENE	29	42N	4E	U.S.F.S.	Lightning	Mer.Timber	None
21.	Mary Mix	8-1	Spot	SENW	21	42N	4E	State of Idaho	Lightning	Mer.Timber	2MBF
22.	Woesner Ridge No. 1	8-1	Spot	NWNW	28	42N	4E	U.S.F.S.	Lightning	Mer.Timber	2MBF
23.	S. Fork Stoney Creek	8-1	Spot	SWSW	8	41N	3E	P.F.I.	Lightning	Mer.Timber	None

DETAILED STATEMENT OF FIRES—1959 (Continued)

No.	Name	Date	Acres	Sub.Div.	S	T	R	Land Owner	Cause	Type of Land	Damage
24.	Woesner Ridge No. 3	8-2	Spot	SENW	20	42N	4E	U.S.F.S.	Lightning	B.O. & Grass	1MBF
25.	Grice Ridge No. 1	8-1	2A.	SESE	35	42N	3E	U.S.F.S.	Lightning	Cutover	None
26.	Grice Ridge No. 2	8-1	½A.	NWSE	35	42N	3E	P.F.I.	Lightning	Cutover	None
27.	Homestead Hump	8-1	Spot	SESW	3	41N	3E	P.F.I.	Lightning	Mer.Timber	None
28.	Head of Isabella	8-1	Spot	SWNW	32	41N	3E	Diamond-Gardner	Lightning	Mer.Timber	½MBF
29.	Woesner Ridge No. 4	8-1	2A.	SWSW	17	42N	4E	U.S.F.S.	Lightning	B.O. & Grass	3MBF
30.	Brosten Ridge	8-4	Spot	NENE	28	40N	2E	State of Idaho	Lightning	B.O. & Grass	None
31.	Pincholt Butte	8-10	Spot	SESW	10	42N	4E	U.S.F.S.	Lightning	B.O. & Grass	None
32.	Lutz Slash	8-11	Spot	SENE	21	38N	1E	State of Idaho	Misc.	Cutover	None
33.	Moody's Camp	8-17	Spot	SENW	31	39N	1E	P.F.I.	Camper	Cutover	None
34.	Warm Up Fire	8-15	Spot	SESE	19	42N	4E	P.F.I.	Smoker	Mer.Timber	None

SNAG REPORT (P.T.P.A.)
A Recording of Lightning Strikes Setting Fires for 1959 Season
Live and Dead Trees

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	5	3	2	0	0	0	0	6	0	16	62%
Dead	3	2	4	0	0	0	0	1	0	10	38%
										Total Reported	26* 100%

P.T.P.A.

4 Year (1956-1959) Combined

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	17	27	21	1	4	5	1	6	0	82	57%
Dead	13	15	20	2	7	1	0	2	2	62	43%
										Total Reported	144 100%

P.T.P.A. - C.T.P.A.

4 Year (1956-1959) Combined

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	46	91	32	6	12	7	1	6	0	201	64%
Dead	26	47	26	5	9	11	0	2	2	128	39%
										Total Reported	329 100%

* Varies from total lightning fires reported by reason of inability to determine where strike occurred.

P.T.P.A. LOOKOUTS—1959

Look Out	Tower Constr.	Condition	Used 1959
Elk Butte	Steel	Good	Yes
Mason Butte	Wood	Good	Yes
McGary Butte	Wood	Good	No
Beals Butte	Wood	Poor	No
Hemlock	Wood	Good	No
Jericho	Wood	Poor	No
Little Green Mt.	Wood	Poor	No
Freezeout	Wood	Good	Yes
Stocking Meadows	Wood	Good	No
Goat Mtn.	Wood	Fair	No
Boehls Butte	Wood	Fair	Yes
Gold Butte	Wood	Poor	No

P.T.P.A.**AIR PATROL VALUE—1959**

Fires First Discovered by Lookouts	18	
Fires First Discovered by Air Patrol	10	
Fires First Discovered by Others	6	
	—	
Total Fires		34
Airplanes Used in Location of Fires	11	
Airplanes Use in Buzzing (Directing)		
Men to Fires	4	
	—	
Fires on which Airplanes Used		15
Fires on which Tankers Used		7



FOREMAN COUNCIL GROUP

The group of men pictured above is the very important foreman council group. This group of men from industry has become an organization of great importance to the welfare of our Association. Each spring before the fire season foremen, assistant foremen and men of woods supervisory capacity meet with Association protection officials to formulate plans on fire protection. Their cooperation and genuine assistance in past years has become an outstanding development in fire control activities of our Association.

Our fire plan is one to integrate each worker of industry into a phase of the program where he fits best when a fire in his particular area occurs. It would be impossible for our Association to stack itself for every eventuality in the present-day intricate fire control actions. These are the men of the woods who help make things work.

POTLATCH TIMBER PROTECTIVE ASSOCIATION
GRAZING FEES COLLECTED—1959

	Cattle	Sheep	Dollars
S. E. and V. E. Anderson	5		\$ 8.75
Bowman and Powell	57		100.00
Edwin I. Brosten	71		124.25
Ray Blankenship		539	215.60
E. R. Blankenship	50		87.50
Butterfield, Kinman, Cochran	69		120.75
Dick's Creek Cattlemen's Assn.	528		924.00
Gene Heath	50		87.50
Helmer Cattlemen's Assn.	83		145.25
D. and L. Kress	52		91.00
McGregor Land & Livestock		2,002	800.80
Mead & Howard Cattle Co.	38		66.50
North Fork Cattlemen's Assn.	151		264.25
William Jones Jr.	15		26.25
Walter Buchannon		830	332.00
	1,169	3,371	3,394.40
U.S.F.S. Collections	737	538	1,504.45
	1,906	3,909	\$ 4,898.85
Does not include livestock grazed on U.S.F.S. Land.			

POTLATCH FOREST PROTECTIVE DISTRICT

REPORT OF OPERATIONS IN 1959

Compliances Issued, Logs and Lumber	24
Compliances Issued, Cedar Poles	2
Total	26
Master Contracts Active, Logs	19
Master Contracts Active, Cedar Poles	4
Total	23
Master Contracts Inactive	5
Sawmills Active	3
Sawmills Served Outside District	21
Estimated Daily Capacity Mills in District	40,000

**POTLATCH FOREST PROTECTIVE DISTRICT
1959 CALENDAR YEAR PRODUCTION**

Total Log Production from Operators Holding Contracts with F.M.A.			
	(Footage)	96,390.200	
	(Cords)	237.0	
Dollars Received from Above			79,677.52
Total Log Production from Compliances and Cash Bond Operators			
	(Footage)	4,335.829	
	(Cords)	942.9	
	(Boards)	84,985	
Dollars Received from Above			5,856.64
Total Log Production		100,726.029	
	(Footage)		1,179.9
	(Cords)		84,985
	(Boards)		
Total Money Received from Logs			85,534.16
Total Cedar Production from Operators Holding Contracts with F.M.A.			
	35' and Longer	22,716	
	30' and Shorter	1,494	
Total Dollars Received from Above			13,151.29
Total Cedar Production from Compliance and Cash Bond Operators			
	35' and Longer	460	
	30' and Shorter	246	
Total Dollars Received from Above			320.26
Total Cedar Production			
	35' and Longer	23,176	
	30' and Shorter	1,740	
Total Cedar Poles		24,916	
Total Dollars Received from Cedar			13,471.55
Total Dolars Received from All Operators			99,005.71
	Forest Management Fund	Holdback Account	
	\$79,677.52	\$ 5,856.64	
	13,151.29	320.26	
	<hr/>	<hr/>	
	\$92,828.81	\$ 6,176.90	

PTPA FIRE WEATHER

	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	Ave.
June	1.29	2.36	4.38	1.55	2.19	2.14	3.59	1.32	3.80	2.16	2.48
July	.12	.09	1.14	.49	1.11	1.84	.57	0.00	.30	.93	.66
August	2.45	1.17	.57	.64	2.38	.03	3.67	1.25	.42	.46	1.30
Sept.	.90	7.79	2.90	.33	1.29	2.60	.63	.52	.49	1.51	1.90
Totals	4.76	11.41	8.99	3.01	6.97	6.61	8.46	3.09	5.01	5.06	6.34

POTLATCH AND CLEARWATER OWNED AIRPLANE USEAGE

Season—1960

Item	Hours
Fire Patrol and Directing Men to Fires	55.73
Passenger Service	24.49
Radio Technician Service	4.47
Equipment Service	40.17
Inspection Trips, Slash and Road Inspection	17.90
Major Overhaul, Run-in, Test, Maintenance	8.08
Fire School	1.80
Ambulance Service	3.54
Total Hours	156.18

AIR COST BREAKDOWN—1960

Regular Fire Patrol	\$1,986.26
Passenger Service—Association Employees	126.05
Fire Training Program	65.00
Location and Buzzing (Directing) Men to Fires ..	406.63
TOTAL COST—Commercial Service	\$2,583.94
ASSOCIATION PLANE (Repairs, Gas, Oil, Inspections, etc. Pilot wages not included)	672.14
TOTAL AIR COSTS FOR YEAR	\$3,256.08

Pilot is Association employee on regular work schedule
and used as pilot when needed.

**FIRE OCCURRENCE OVER A 37 YEAR PERIOD
(1924 - 1960 Inclusive)**

	37 Year Total		37 Year Average Number
	Number	Percent	
Lightning Fires	1,534	67%	41.5
Man Caused Fires	742	33%	20.1
TOTAL	2,276	100%	61.6

BREAKDOWN OF FIRES

Lightning	1,534	67%	41.5
Unknown	51	2%	1.4
Brush Burning	91	4%	2.5
Campers and Hunters	142	6%	3.8
Railroad	24	1%	.7
Smokers	225	10%	6.1
Incendiary	105	5%	2.8
Miscellaneous	104	5%	2.8
TOTAL	2,276	100%	61.6

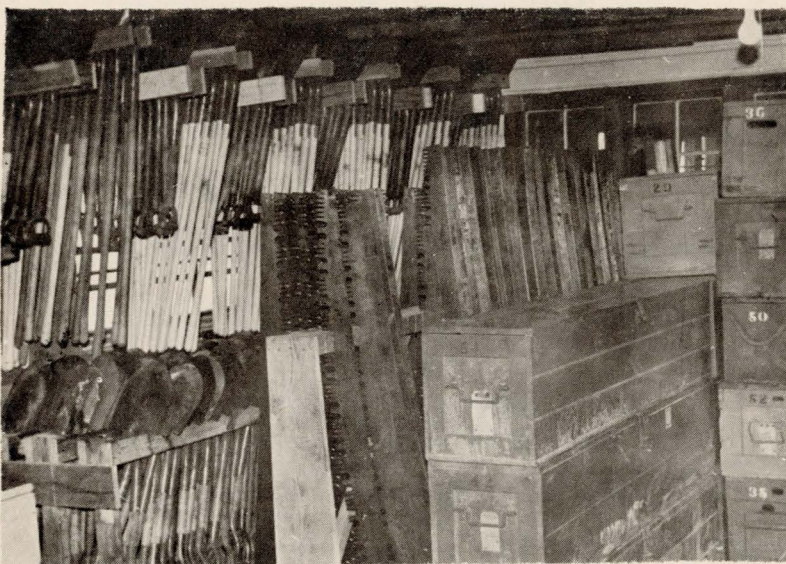
WEATHER INFORMATION

Observations Taken at P.T.P.A., Elk River, Idaho 1960

Date	Prec.	Monthly Totals	Totals Car. Fwd.	Prec. During Fire Season
May				
2	.20		.20	
3	.05		.25	
4	.11		.36	
5	.10		.46	
7	.37		.83	
8	.30		1.13	
13	.32		1.45	
14	.31		1.76	
16	.26		2.02	
17	.41		2.43	
18	.46		2.89	
21	.59		3.48	
22	.05		3.53	
24	.16		3.69	
25	.18		3.87	
26	.05		3.92	
27	.20		4.12	
28	.13		4.25	
31	.04		4.29	
	Total	4.29		
June				
15	.70		4.99	.70
16	.05		5.04	.75
17	.35		5.39	1.10
20	.06		5.45	1.16
21	.13		5.58	1.29
	Total	1.29		
July				
1	.12		5.70	1.41
	Total	.12		
August				
1	.28		5.98	1.69
2	.77		6.75	2.46
3	.04		6.79	2.50
4	.02		6.81	2.52
15	.12		6.93	2.64
22	.01		6.94	2.65
23	.08		7.02	2.73
25	.71		7.73	3.44
26	.38		8.11	3.82
27	.04		8.15	3.86
	Total	2.45		

WEATHER INFORMATION—CONTINUED

Date	Prec.	Monthly Totals	Totals Car. Fwd.	Prec. During Fire Season
September				
4	.74		8.89	4.60
23	.07		8.96	4.67
24	.05		9.01	4.72
25	.04		9.05	4.76
Total		.90		
October				
7	.48		9.53	
8	.15		9.68	
11	.17		9.85	
12	.54		10.39	
13	.04		10.43	
22	.22		10.65	
24	.06		10.71	
27	.19		10.90	
28	.27		11.17	
29	.55		11.72	
31	.27		11.99	
Total		2.94		



TOOL ROOM

Good tools, sharp and ready to go, are of great importance to a fire organization. Each year hand tools must be returned to the headquarters camp for sharpening, repair and storage. Our warehouse has tools to equip over 5,000 men. Thousands of axes, shovels, saws, pulaskies and other items are packed into twenty-five-man tool boxes which are sealed and taken to the danger areas during the fire season.

TABLE NO. 1
SHOWING FIRES BY CAUSE, EXTENT OF LOSS, CLASS AND
ACREAGE INSIDE ASSOCIATION BOUNDARY
1960

		Lightning	Misc.	Hunters	Total
No. Fires		10	*3	2	15
Per Cent		66.7	20.0	13.3	100%
Acreage		0	0	4	4
Class of Fire	A	10	3	0	13
	B	0	0	2	2
	C	0	0	0	0
Loss MBF		2.5	0	0	2.5
Loss Poles		1—45'	0	0	1—45'

*Sawdust Pile; Power Saw; Butane Tank Explosion

TABLE NO. 2
SHOWING NUMBER OF FIRES IN VARIOUS TIMBER TYPES

	Lightning	Misc.	Hunters	Total
Cut Over	3	2	0	5
Mer. Timber	6	0	0	6
B.O. & Grass	0	1	0	1
Reproduction	1	0	2	3
Other	0	0	0	0
	—	—	—	—
Total	10	3	2	15

TABLE NO. 3
FIRES IN FUEL TYPES

	Extreme High	High	Normal	Total
Acreage in Association	10,150	15,652	440,037	465,839
Percent of Area	2.2	3.4	94.4	100%
Fires Expected	2	4	55	61
Actual No. of Fires	0	0	15	15
Percent	0	0	100	100%

DETAILED STATEMENT OF FIRES—1960

No.	Name	Date	Acres	Sub.Div.	S	T	R	Land Owner	Cause	Type of Land	Damage
1.	O'Keefe Cabin	7-8	Spot	NENE	11	40N	4E	P.F.I.	Misc.	Cutover	None
2.	Potlatch Creek	7-12	Spot	NWNW	33	40N	1W	U.S.F.S.	Lightning	Cutover	None
3.	Diamond Camp	7-14	Spot	SESE	3	41N	4E	State of Idaho	Lightning	Mer.Timber	2.5MBF
4.	Woesner Ridge No. 1	7-14	Spot	NWNW	33	42N	4E	U.S.F.S.	Lightning	Mer.Timber	None
5.	Woesner Ridge No. 2	7-14	Spot	NWNW	33	42N	4E	U.S.F.S.	Lightning	Mer.Timber	None
6.	Stocking Meadows	7-14	Spot	NWNE	32	42N	5E	P.F.I.	Lightning	Mer.Timber	None
7.	Meadow Creek	7-14	Spot	NWNW	8	41N	5E	P.F.I.	Lightning	Mer.Timber	None
8.	John Darby	7-16	Spot	NESW	11	38N	1W	John Darby	Misc.	B.O. & Grass	None
9.	Dick Creek	7-17	Spot	SENE	29	38N	1E	State of Idaho	Misc.	Cutover	1-45' Pole
10.	Deep Creek	7-20	Spot	NWNE	7	39N	3E	P.F.I.	Lightning	Reproduction	None
11.	Lepole Canyon	7-20	Spot	NWNW	1	38N	1W	E. A. Kirkpatrick	Lightning	Cutover	None
12.	Shattuck Butte	8-3	Spot	NENW	9	40N	2E	Diamond Nat'l.	Lightning	Cutover	None
13.	Upper Stoney Creek	9-6	Spot	SENE	1	41N	2E	P.F.I.	Lightning	Mer.Timber	None
14.	Timber Creek	10-2	2A.	NWNE	14	42N	4E	State of Idaho	Hunter	Reproduction	None
15.	Pinchot Creek	10-2	2A.	SESE	2	42N	4E	U.S.F.S.	Hunter	Reproduction	None

SNAG REPORT (P.T.P.A.)
A Recording of Lightning Strikes Setting Fires for 1960 Season
Live and Dead Trees

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	4	4	1	1	0	0	0	0	0	10	100%
Dead	0	0	0	0	0	0	0	0	0	0	0
							Total Reported			10	100%

P.T.P.A.
5 Year (1956-1960) Combined

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	21	31	22	2	4	5	1	6	0	92	60%
Dead	13	15	20	2	7	1	0	2	2	62	40%
							Total Reported			154	100%

P.T.P.A. - C.T.P.A.
5 Year (1956-1960) Combined

	Cedar	W.Fir	W.Pine	R.Fir	Larch	Y.Pine	Spruce	Hemlock	Duff	Total	Percent
Live	50	106	40	9	14	9	1	6	0	235	62%
Dead	26	55	26	10	9	12	0	2	2	142	38%
							Total Reported			377	100%

P.T.P.A. LOOKOUTS—1960

Look Out	Tower Constr.	Condition	Used 1960
Elk Butte	Steel	Good	Yes
Mason Butte	Wood	Good	Yes
McGary Butte	Wood	Good	Yes
Beals Butte	Wood	Poor	No
Hemlock	Wood	Good	PT*
Jericho	Wood	Poor	No
Little Green Mt.	Wood	Poor	No
Freezeout	Wood	Good	No
Stocking Meadows	Wood	Good	Yes
Goat Mtn.	Wood	Fair	No
Boehls Butte	Wood	Fair	No
Gold Butte	Wood	Poor	No

*Part Time Use

P.T.P.A.**AIR PATROL VALUE—1960**

Fires First Discovered by Lookouts	4	
Fires First Discovered by Air Patrol	4	
Fires First Discovered by Others	7	
	—	
Total Fires		15
Airplanes Used in Location of Fires	4	
Airplanes Use in Buzzing (Directing)		
Men to Fires	7	
	—	
Total Number of Fire Airplanes Used		11
Total Number of Fires Tankers Used		5

**POTLATCH TIMBER PROTECTIVE ASSOCIATION
GRAZING FEES COLLECTED—1960**

	Sheep	Cattle	Dollars
Bohman & Powell		57	\$ 100.00
Edwin I. Brosten		71	124.25
Ray Blankenship	616		246.40
Butterfield-Kinmon-Cochran		68	119.00
Dicks Creek Cattlemen's Assn.		528	924.00
Don & Lawrence Kress		52	91.00
North Fork Cattlemen's Assn.		136	238.00
Sherman Smith		25	43.75
Floyd E. Parker		6	10.00
McGregor Land & Livestock	2,136		854.40
Total	2,752	943	\$ 2,750.80
U.S. Forest Service Collections	824	528	1,653.20
Total	3,576	1,471	\$ 4,404.00

P.T.P.A.

**COMPARISON OF MONTHLY PRECIPITATION
TAKEN AT ELK RIEVR, IDAHO**

	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950
June	1.29	2.36	4.38	1.55	2.19	2.14	3.59	1.32	3.80	2.16	4.76
July	.12	.09	1.14	.49	1.11	1.84	.57	0.00	.30	.93	1.35
August	2.45	1.17	.57	.64	2.38	.03	3.67	1.25	.42	.46	.30
3 Mo. Total	3.86	3.62	6.09	2.68	5.68	4.01	7.83	2.57	4.52	3.55	6.41
September	.90	7.79	2.90	.33	1.29	2.60	.63	.52	.49	1.51	.37
4 Mo. Total	4.76	11.41	8.99	3.01	6.97	6.61	8.46	3.09	5.01	5.06	6.78

	1949	1948	1947	1946	1945	1944	1943	1942	1941	Total	20 Year Average
June	1.85	4.54	4.19	3.18	1.24	2.54	3.82	3.86	3.49	58.25	2.91
July	.33	5.11	.27	.95	.12	.11	.83	1.39	.49	17.54	.88
August	.07	1.16	.38	0.00	.61	1.17	.64	.36	1.85	19.58	.98
3 Mo. Total	2.25	10.81	4.84	4.13	1.97	3.82	5.29	5.61	5.83	95.37	4.77
September	2.31	1.12	2.41	1.69	3.49	2.38	.27	.51	4.42	37.93	1.90
4 Mo. Total	4.56	11.93	7.25	5.82	5.46	6.20	5.56	6.12	10.25	133.30	6.67

**POTLATCH FOREST PROTECTIVE DISTRICT
REPORT OF OPERATIONS IN 1960**

Compliances Issued, Logs and Lumber	25
Compliances Issued, Cedar Poles	6
Total	31
Master Contracts Active, Logs	19
Master Contracts Active, Cedar Poles	4
Total	23
Master Contracts Inactive	5
Sawmills Active	3
Sawmills Served Outside District	21
Estimated Daily Capacity Mills in District	40,000

**POTLATCH FOREST PROTECTIVE DISTRICT
1960 PRODUCTION**

Total Log Production from Operators		
Holding Contracts with F.M.A.		
(Feetage)	118,657,550	
(Cords)	68.9	
Dollars Received from above		\$ 90,893.17
Total Log Production from Compliance		
and Cash Bond Operators (Feetage)	5,830,180	
(Cords)	736.4	
Dollars Received from above		\$ 6,320.24
Total Log Production --- (Feetage)	124,487,730	
(Cords)	805.3	
Total Money Received from Logs		\$ 97,213.41
Total Cedar Production from Operators		
Holding Contracts with F.M.A.		
30' and shorter	2,790	
35' and longer	13,362	
Total Cedar Poles	16,152	
Posts	3,587	
Dollars Received from above		\$ 8,231.60
Total Cedar Pole Production from		
Compliance & Cash Bond Operators		
30' and shorter	1,173	
35' and longer	1,551	
Total Cedar Poles	2,724	
Shake Board	29,406	
Posts	3,933	
Dollars Received from above		\$ 1,332.40
Total Cedar Production		
30' and shorter	3,963	
35' and longer	14,913	
Total Cedar Poles	18,876	
Shake Board	29,406	
Posts	7,520	
Total Money Received from Cedar		\$ 9,564.00
TOTAL Dollars Received from All Operations		\$106,777.41

POTLATCH TIMBER PROTECTIVE ASSOCIATION

BALANCE SHEET

Close of Business—Nov. 30, 1959

ASSETS:

Current

Cash, Idaho First National Bank, Potlatch			\$ 37,532.24
Accounts Receivable—Sundry ..	\$ 5,500.47		
Assessments Receivable	404.90		
Merchandise Inventory			
Provisions & Supplies	\$4,511.32		
Wanigan	72.21	4,583.53	
		<hr/>	
Liberty National Insurance Co. ..		200.00	10,688.90
		<hr/>	
Total Current Assets			48,221.14

Fixed

Camp Equipment & Tools	7,991.00		
Radio System	2,536.82		
Road Equipment & Machinery ..	2,712.94		
Livestock & Equipment	193.68		
Headquarters Buildings	9,226.33		
Motor Vehicles	2,723.07		
Telephone System	3,342.25		
		<hr/>	
Total Fixed Assets			28,726.09
			<hr/>
Total Assets			\$ 76,947.23
			<hr/> <hr/>

LIABILITIES:

Grazing Fees Payable	4,898.85		
State Withholding Tax	108.85		
Surplus, Present Worth, November 30, 1959		71,939.53	
		<hr/>	
Total Liabilities and Surplus			\$ 76,947.23
			<hr/> <hr/>

**POTLATCH TIMBER PROTECTIVE ASSOCIATION
OPERATING REPORT**

December 1, 1958 to November 30, 1959

Revenue:

Membership Assessments	\$ 57,411.40	
Non-Member Assessments	3,151.32	
Other Income	458.62	
Forest Service—Protection Charges	20,635.50	
Dept. of Interior—Protection Charges	1,684.10	
Federal Contributions—Clarke- McNary Funds	15,587.79	
Total Operating Revenue	98,928.73	
Grazing Fees Collected	4,898.85	
Gross Revenue		\$103,827.58

Expense:

Wanigan	194.24	
Fire Expense—Reg. Men	\$1,598.31	
Fire Expense—Emergency Men	15,884.91	
Headquarters Expense	10,097.77	
Salary & Expense, Chief Fire Warden	4,551.06	
Workmen's Compensation Insur. ..	719.27	
Maint. of Livestock & Equipment ..	64.00	
Maint. of Radio System	1,341.93	
Main Office Expense	4,521.96	
Maint. of Road Equipment & Machinery	2,550.48	
Maint. of Headquarters Buildings ..	1,125.82	
Maint. & Operation Motor Vehicles ..	5,022.33	
Maint. of Established Roads & Trails	4,307.73	
Maint. of Telephone System	1,345.75	
Patrolling, Smokechasing & L. O. Watchmen	18,901.49	
Airplane Patrol	1,407.95	
New Road & Trail Building	2,521.74	
Miscellaneous Expense	1,527.80	
Hospital Expense	614.40	
Insurance	2,825.61	
State Unemployment Tax	1,613.11	
Federal Unemployment Tax	152.80	
Federal Old Age Benefit Tax	1,440.75	
Total	84,331.21	

Depreciation Deductions:

Camp Equipment & Tools	1,666.21	
Radio System	825.20	
Road Machinery & Equipment	439.03	
Livestock & Equipment	21.52	
Headquarters Buildings	802.29	
Motor Vehicles	1,021.63	
Telephone System	371.36	
Total Expense & Depreciation	89,478.45	
Grazing Fees to be Distributed	4,898.85	
Blister Rust Contributions	8,611.71	
Total Gross Expense	102,989.01	

Net Gain for Period to Surplus

\$ 838.57

POTLATCH TIMBER PROTECTIVE ASSOCIATION

Acreage and Assessment of Members

1959

	Acreage	Assessment No. 1 10c	Assessment No. 2 7c	Blister Rust Acreage	Blister Rust Assessment 3c	Total Assessment 20c	Amount Paid Prior to Nov. 30, '59	Balance Due
L. Cardiff, Inc. _____	160	16.00	11.20	160	4.80	32.00	32.00	
Diamond National Corporation ___	31,938	3,193.80	2,235.66	23,593	707.79	6,137.25	6,137.25	
Mead & Howard Lumber Co. _____	4,373	437.30	306.11	3,293	98.79	842.20	437.30	\$404.90
Milwaukee Land Company _____	4,865	486.50	340.55	4,865	145.95	973.00	973.00	
Northern Pacific Railway Co. ___	1,815	181.50	127.05	1,815	54.45	363.00	363.00	
Potlatch Forest, Inc. _____	135,848	13,584.80	9,509.36	131,411	3,942.33	27,036.49	27,036.49	
Grace C. Rubedew _____	160	16.00	11.20	160	4.80	32.00	32.00	
Schaefer-Hitchcock Company ___	43	4.30	3.01	43	1.29	8.60	8.60	
State of Idaho _____	107,855	10,785.50	7,549.85	121,717	3,651.51	21,986.86	21,986.86	
Totals _____	287,057	\$ 28,705.70	\$ 20,093.99	287,057	\$ 8,611.71	\$ 57,411.40	\$ 57,006.50	\$404.90

Assessment No. 1 was levied August 31, 1959

Assessment No. 2 and Blister Rust Assessment were levied October 2, 1959

DISTRIBUTION OF GRAZING FEES FOR 1959

	Acreage	Factor	Amount
L. Cardiff, Inc.	160	.00056	\$ 2.74
Diamond National Corporation	31,938	.11126	545.05
Mead & Howard Lumber Co., Inc.	4,373	.01523	74.61
Milwaukee Land Company	4,865	.01695	83.04
Northern Pacific Railway Co.	1,815	.00632	30.96
Potlatch Forests, Inc.	135,848	.47324	2,318.33
Grace C. Rubedew	160	.00056	2.74
Schaefer-Hitchcock Company	43	.00015	.73
State of Idaho	107,855	.37573	1,840.65
	287,057	1.00000	\$4,898.85

**CAMP Y BRUSH PILING RESULTS**

Machines are used more extensively each year to pile logging slash. Considerable training is necessary to train operators for this delicate operation. The picture above shows desired results with no trees scarred and the ground well prepared for a seed bed to hasten the next tree crop.

POTLATCH TIMBER PROTECTIVE ASSOCIATION**BALANCE STATEMENT**

Close of Business—November 30, 1960

ASSETS:**Current**

Cash, Idaho First National Bank, Potlatch		\$ 3,497.41
Accounts Receivable—Sundry	\$ 6,922.60	
Assessments Receivable	11,189.65	
Merchandise Inventory		
Provisions & Supplies	4,558.82	
Liberty National Insurance Company	200.00	
		<u>22,871.07</u>
Total Current Assets		\$ 26,368.48

FIXED:

Camp Equipment and Tools	8,285.80	
Radio System	1,711.64	
Road Equipment & Machinery	2,282.63	
Livestock & Equipment	193.68	
Headquarters Buildings	10,165.32	
Motor Vehicles	2,083.81	
Telephone System	2,970.89	
		<u>27,693.77</u>
Total Fixed Assets		27,693.77
Total Assets		<u><u>54,062.25</u></u>

Liabilities:

Grazing Fees Payable	4,404.00	
State Withholding Tax	200.39	
Surplus, Present Worth, November 30, 1960	49,457.86	
		<u>54,062.25</u>
Total Liabilities and Surplus		<u><u>54,062.25</u></u>

**POTLATCH TIMBER PROTECTIVE ASSOCIATION
OPERATING REPORT**

December 1, 1959 to November 30, 1960

Revenue:

Membership Assessments	\$ 29,230.35
Non-Member Assessments	4,566.76
Forest Service—Protection Charges	19,891.51
Dept. of Interior—Protection Charges	681.24
Federal Contributions—Clarke- McNary Funds	16,690.51
Wanigan	13.50
Maint. of Livestock & Equip.	174.66
 Total Operating Revenue	 71,248.53
Grazing Fees Collected	4,404.00

Gross Revenues \$ 75,652.53

Expenses:

Fire Expense—Regular Men	\$1,596.96	
Fire Expense—Emergency Men	264.90	1,861.86
Headquarters Expense		12,659.68
Salary & Expense, Chief Fire Warden		4,088.95
Workmen's Compensation Ins.		590.05
Lookout Development & Maint.		2,083.87
Maint. of Radio System		1,188.93
Main Office Expense		5,248.78
Maint. of Road Equipment & Machinery		5,598.87
Maint. of Headquarters Building ..		1,229.48
Maint. & Operation of Motor Vehicles		10,241.79
Maint. of Established Roads & Trails		5,048.73
Maint. of Telephone System		1,580.63
Patrolling, Smokechasing & L.O. Watchmen		15,945.37
Airplane Patrol		3,265.29
New Road & Trail Building		3,120.02
Miscellaneous Expense		526.36
Hospital Expense		628.77
Insurance		1,737.12
State Unemployment Tax		1,415.08
Federal Old Age Benefit Tax		1,789.63
Federal Unemployment Tax		171.93

Total \$ 80,021.19

Depreciation Deductions:

Camp Equipment & Tools	1,883.14	
Radio System	825.18	
Road Equipment & Machinery	430.31	
Headquarters Buildings	883.94	
Motor Vehicles	639.26	
Telephone System	371.36	5,033.19

Total Expense & Depreciation		85,054.38
Grazing Fees to be Distributed	4,404.00	
Blister Rust Contributions	8,643.87	13,047.87

Total Gross Expense 98,102.25

Net Loss for Period to Surplus \$ 22,449.72

POTLATCH TIMBER PROTECTIVE ASSOCIATION

Acreage and Assessment of Members

1960

	Acreage	Acreage Adjustment Amount Blister Rust 3c	Assessment No. 1 10c	Amount Paid Prior to Nov. 30, 1960	Balance Due
L. Cardiff, Inc.	160		\$ 16.00	\$ 16.00	
Diamond Natl. Corp.	31,910		3,191.00	3,191.00	
Joslyn Mfg. & Supply Co.	43		4.30	4.30	
Mead & Howard Lumber Company	5,446		544.60	544.60	
Milwaukee Land Company	4,865		486.50	486.50	
Northern Pacific Railway Company ...	1,815		181.50	181.50	
Potlatch Forests, Inc.	136,168		13,616.80	13,616.80	
State of Idaho	107,722		10,772.20		
		13,915	417.45		11,189.65
Totals	288,129	13,915	\$ 29,230.35	\$ 18,040.70	\$ 11,189.65

Assessment No. 1 was levied September 12, 1960.

The above assessment includes a blister rust eradication assessment of 3c on 288,129 acres strictly state and private lands, totalling \$8,643.87.

POTLATCH TIMBER PROTECTIVE ASSOCIATION

MEMORANDUM COMPARISON

Fiscal Years 1958, 1959, 1960

	1958	1959	1960
1. Number of Members (Including N.P. Railway)	10	10	8
2. Amount of Members Acreage Assessed (Acres)	286,881	287,057	288,129
3. Rate of Assessment per Acre—Members	\$.18	\$.20	\$.10
4. Non-Member Acreage Assessed	46,786	50,104	49,341
5. Non-Member Assessments Collected	\$ 3,211.05	\$ 3,151.32	\$ 4,566.76
6. U.S. Forest Service Acreage	111,543	111,543	111,543
7. Public Domain—Department of Interior	11,817	11,817	11,817
8. Net Grazing Fees Distributed or to be Distributed	\$ 4,877.00	\$ 4,898.85	\$ 4,404.00
9. Gross Payroll	\$ 42,061.74	\$ 58,599.85 & BRC	\$ 59,756.72
10. Clarke-McNary Contributions	\$ 13,825.91	\$ 15,587.79	\$ 16,690.51
11. Total Revenue	\$ 96,124.82	\$103,827.58	\$ 75,652.53
12. Total Expenses	\$ 91,166.43	\$102,989.01	\$ 98,102.25
13. Total Receipts	\$114,173.69	\$144,070.11	\$ 91,691.27
14. Total Disbursements	\$117,721.74	\$134,274.71	\$125,726.10
15. Total Accounts Receivable—November 30th	\$ 12,602.67	\$ 5,905.37	\$ 6,922.60
16. Total Accounts Payable—November 30th	\$ 4,980.90	\$ 5,007.70	\$ 4,604.39



DISTRIBUTION OF GRAZING FEES FOR 1960

	Acreage	Factor	Amount
L. Cardiff, Inc.	160	.00056	\$ 2.47
*Diamond National Corporation	31,910	.11075	487.74
Joslyn Mfg. & Supply Company	43	.00015	.66
Mead & Howard Lumber Company ..	5,446	.01890	83.24
Milwaukee Land Company	4,865	.01688	74.34
Northern Pacific Railway Company ---	1,815	.00630	27.75
Potlatch Forest, Inc.	136,168	.47259	2,081.28
State of Idaho	107,722	.37387	1,646.52
Totals	288,129	1.00000	\$4,404.00

*The Diamond National Corporation does not permit grazing on their lands so the amount shown will be deposited and distributed in 1961.



DISPATCHER'S OFFICE AND RADIO

During the fire season good communications, with smooth procedures to receive and dispatch fire and emergency communications, are most necessary. Note here the close proximity of telephone, radio, public address system and the inter connect with forest industry's radio system. The numbers on the small signs (on opposite page) are radio numbers within easy reach of the dispatcher who merely flips the tab from dark to light color which indicates whether or not a particular radio unit is on or off the air.

