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cc: Inst. for Fish. Research
S. M. Bower
R. N. Schafer
R. C. Barber

INSTITUTE FOR FISHERIES RESEARCH
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GERALD P. COOPER PH.D.
DIRECTOR

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SUMMARY OF MOTOR VEHICLE OPERATION
FOR THE CALENDAR YEAR OF 1958

By Robert C. Barber

This is the eighteenth annual report on vehicles operated by the Institute for Fisheries Research. The same general pattern has been followed as in previous reports to facilitate a comparison with other annual vehicle reports. All tables are self-explanatory. Only the summary (Tables 1, 2, 3 and 4) is included in this report. Details are on file in Ann Arbor with the Institute copy of this report.

In the calendar year 1958 nine vehicles were salvaged and replaced and 3 vehicles salvaged in 1957 were replaced in 1958 (see Table 1).

1958 marked the first year of getting into the program of annual replacement of passenger vehicles. Seven vehicles were involved (12-565, 599, 619, 633, 635, 637, 661). The original cost of the seven 1957 models was \$11,614.47, for which we received \$9,470.84 in salvage monies giving us a total depreciation of \$2,143.63 or \$306.37 per vehicle. They were driven 105,806 miles for a depreciation of \$0.0202 per mile. The gross cost of the seven 1958 models replacing the 1957's was \$10,872.18 less salvage monies of the 1957's (\$9,470.84) equals a net cost of \$1,401.34 or \$200.20 per vehicle (\$0.0133 per mile) depreciation on a replacement cost basis.

In 1957 tire costs were \$793.38, in 1958 they dropped \$357.53 to \$435.85. The above prices include new tire purchases and tire maintenance. Actually only 12 new tires were purchased in the fiscal year 1957-58. Some tires were furnished from stock and a few of the 12 new tires are in stock at present. By comparison, tire purchases in the fiscal year 1956-57 were \$829.24. To date in the fiscal year 1958-59, \$191.56 has been spent on tires and these purchases have been confined to snow tires for maintenance vehicles. No passenger car tires have been purchased.

The average miles per gallon was 14.1 (1957--14.2) and the cost per mile of operation was \$0.037 (1957--\$0.038). Total mileage in 1958 was 338,275 (1957--335,085) or 10,912 miles (1957--10,809) per vehicle.

INSTITUTE FOR FISHERIES RESEARCH

Robert C. Barber

Approved by W. R. Crowe

Typed by M. S. McClure

Table 1

Salvage and replacement summary for the calendar year 1958

License number	Salvaged vehicle	Amount received	New vehicle	Cost	Net Cost
12-565	1957 Ford Ranch Wagon	\$1,513.13	1958 Chevrolet Station Wagon	\$1,633.82	\$120.69
12-590	1952 Chev Panel Carryall	139.00	1958 Dodge Carryall	1,693.53	1,554.53
12-597	1952 Chev Sedan Delivery (1957)	125.00	1958 Chev 2-dr Sedan	1,433.00	1,308.00
12-599	1957 Ford Ranch Wagon	1,513.13	1958 Chev Station Wagon	1,633.82	120.69
12-616	1953 Ford 4-dr Sedan (1957)	325.00	1958 Dodge Carryall	1,693.53	1,368.53
12-619	1957 Ford Ranch Wagon	1,421.51	1958 Chev Station Wagon	1,633.82	212.31
12-630	1953 Ford Ranch Wagon (1957)	391.00	1958 Ford Ranch Wagon	1,676.65	1,285.65
12-633	1957 Ford 2-dr Sedan	1,161.00	1958 Chev 2-dr Sedan	1,433.00	272.00
12-635	1957 Ford 2-dr Sedan	1,153.00	1958 Chev 2-dr Sedan	1,433.00	280.00
12-637	1957 Ford 4-dr Sedan	1,257.57	1958 Chev 4-dr Sedan	1,470.90	213.13
12-652*	1951 Willys Jeep 4 x 4	366.28	1958 1-ton Chev Pickup 4 x 4	2,770.00	2,403.72
12-661	1957 Ford Ranch Wagon	<u>1,451.50</u>	1958 Chev Station Wagon	<u>1,633.82</u>	<u>182.32</u>
	Totals	\$10,817.12		\$20,138.89	\$9,321.77

*Price includes snow plow blade.

Table 2

Vehicles used by Institute for Fisheries Research during 1958

License number	Total mileage to date	Total cost of operation to date	Year	Make	Body style
12-538	53,952	\$1,673.60	1955	Ford	Ranch Wagon
12-539	52,301	1,737.20	1955	Ford	Ranch Wagon
12-540	66,527	2,286.49	1955	Ford	Ranch Wagon
12-565(old)	16,338	578.46	1957	Ford	Ranch Wagon
12-565(new)	9,158	324.96	1958	Chevrolet	Station Wagon
12-572	78,790	2,668.93	1954	Ford	Ranch Wagon
12-590(old)	55,198	2,028.92	1952	Chevrolet	1/2-ton Panel Carryall
12-590(new)	7,591	243.62	1958	Dodge	Carryall
12-596	50,174	1,976.48	1955	Ford	Ranch Wagon
12-597(new)	10,316	315.08	1958	Chevrolet	2-door Sedan
12-599(old)	14,953	560.89	1957	Ford	Ranch Wagon
12-599(new)	17,708	541.43	1958	Chevrolet	Station Wagon
12-607	33,397	1,251.58	1956	Chevrolet	Carryall
12-616(new)	1,660	65.37	1958	Dodge	Carryall
12-617	49,180	1,514.05	1954	Chevrolet	Carryall
12-618	27,000	1,300.48	1956	Chevrolet	Carryall
12-619(old)	19,153	751.80	1957	Ford	Ranch Wagon
12-619(new)	17,920	507.85	1958	Chevrolet	Station Wagon
12-621	54,513	1,821.17	1954	Ford	Ranch Wagon
12-629	42,587	1,483.42	1954	Chevrolet	Carryall
12-630(new)	12,113	356.51	1958	Ford	Ranch Wagon
12-632	34,429	1,406.79	1956	Chevrolet	Sedan Delivery
12-633(old)	16,857	791.73	1957	Ford	2-door Sedan Utility
12-633(new)	13,341	428.35	1958	Chevrolet	2-door Sedan
12-634	32,881	1,061.17	1956	Chevrolet	2-door Sedan Utility
12-635(old)	12,476	492.43	1957	Ford	2-door Sedan Utility
12-635(new)	7,371	233.67	1958	Chevrolet	2-door Sedan
12-636	16,378	943.02	1954	Chevrolet	3/4-ton Dump Truck
12-637(old)	15,083	563.26	1957	Ford	4-door Sedan
12-637(new)	17,353	541.10	1958	Chevrolet	4-door Sedan
12-652(old)	22,530	1,551.56	1951	Willys	Jeep 4 x 4
12-652(new)	3,102	171.37	1958	Chevrolet	1-ton Pickup 4 x 4
12-655	59,716	1,739.41	1954	Chevrolet	2-door Sedan Utility
12-656	23,347	602.90	1957	Chevrolet	2-door Sedan Utility
12-661(old)	10,896	365.73	1957	Ford	Ranch Wagon
12-661(new)	8,935	280.24	1958	Chevrolet	Station Wagon
12-662	51,642	2,013.41	1954	Chevrolet	Carryall
12-675	9,962	566.81	1955	Ford	3/4-ton Dump Truck
12-685	5,320	200.60	1957	Chevrolet	1-ton Pickup
12-700	32,932	1,171.40	1956	Chevrolet	Carryall

Table 3

Summary of individual motor vehicle operations for 1958

License number	Gasoline (gallons)	Cost of gasoline	Oil (quarts)	Cost of oil	Cost of tires	Cost of repairs misc. exp.	Mileage during 1958	Cost of operation 1958	Miles per gallon of gasoline	Cost per mile
12-538	920.7	\$306.74	25.5	\$14.70	\$43.61	\$173.78	14,256	\$538.83	15.5	\$0.038
12-539	900.7	321.92	62.0	31.00	8.40	165.97	15,578	527.29	17.3	0.034
12-540	1,152.5	384.55	37.0	21.95	29.50	269.79	18,524	705.79	16.1	0.038
12-565(old)	285.1	96.47	7.0	3.60	6.50	28.45	4,045	135.02	14.2	0.033
12-565(new)	645.1	223.11	17.0	8.65	8.00	85.20	9,136	324.96	14.2	0.036
12-572	997.2	345.84	45.0	22.80	43.34	227.94	15,802	639.92	15.8	0.040
12-590(old)	25.0	8.17	1.0	.45	0.00	3.80	382	12.42	15.3	0.032
12-590(new)	566.6	201.52	29.0	14.05	3.00	25.05	7,482	243.62	13.2	0.032
12-596	1,005.3	348.93	29.0	14.50	72.30	163.36	11,863	599.09	11.8	0.051
12-597	663.9	232.28	42.0	20.05	1.50	61.25	10,298	315.08	15.5	0.030
12-599(old)	235.5	76.95	10.0	4.95	5.00	13.00	3,820	99.90	16.2	0.026
12-599(new)	1,221.1	398.53	54.5	30.48	2.00	110.42	17,708	541.43	14.5	0.030
12-607	1,138.1	404.57	32.0	16.60	6.50	149.29	13,767	576.96	12.1	0.042
12-616	150.9	48.50	2.0	1.25	0.00	15.62	1,566	65.37	10.4	0.042
12-617	447.3	150.39	16.0	7.75	3.00	48.96	6,078	210.10	13.6	0.034
12-618	564.2	188.57	26.0	14.40	5.75	183.62	7,977	392.34	14.1	0.049
12-619(old)	119.0	42.23	5.0	2.50	2.00	19.23	1,773	65.96	14.9	0.037
12-619(new)	1,172.5	409.30	51.0	28.70	6.50	63.35	17,920	507.85	15.3	0.028
12-621	718.1	238.70	24.5	11.85	14.80	194.09	9,725	459.44	13.5	0.047
12-629	615.9	216.46	21.0	11.30	1.50	95.76	7,539	325.02	12.2	0.043
12-630	838.1	284.80	34.0	20.45	0.00	51.26	12,102	356.51	14.4	0.029
12-632	446.7	156.83	22.0	10.80	10.56	210.13	7,545	388.32	16.9	0.051
12-633(old)	206.5	69.60	0.0	0.00	2.00	43.09	2,657	114.69	12.9	0.043
12-633(new)	937.7	314.00	46.5	23.40	2.00	88.95	13,325	428.35	14.2	0.032
12-634	683.0	215.67	23.0	12.05	2.00	131.65	9,162	361.37	13.4	0.039
12-635(old)	84.0	27.46	0.0	0.00	0.00	7.50	1,257	34.96	15.0	0.028
12-635(new)	490.0	154.69	29.0	13.90	15.81	49.27	7,346	233.67	15.0	0.032
12-636	383.0	132.08	16.0	9.50	2.00	61.02	3,263	204.60	8.5	0.063
12-637(old)	109.2	36.79	6.0	3.60	0.00	10.96	1,654	51.35	15.1	0.031
12-637(new)	1,117.9	373.94	61.0	34.39	50.34	82.43	17,353	541.10	15.5	0.031
12-652(old)	95.7	33.54	3.0	1.30	0.00	25.39	711	60.23	7.4	0.085
12-652(new)	424.6	148.52	29.0	11.60	8.00	3.25	2,948	171.37	6.9	0.058
12-655	513.4	165.82	16.0	9.25	68.96	19.50	7,984	263.53	15.6	0.033
12-656	1,261.0	437.28	68.0	40.60	0.00	40.31	19,695	518.19	15.6	0.026
12-661(old)	65.0	22.87	1.0	.50	2.00	5.10	851	30.47	13.1	0.036
12-661(new)	716.0	242.95	19.0	9.65	5.75	21.89	8,919	280.24	12.5	0.031
12-662	715.3	244.03	34.5	16.55	3.23	247.90	10,710	511.71	15.0	0.048
12-675	274.9	94.49	11.0	5.00	0.00	23.65	2,462	123.14	9.0	0.050
12-685	320.0	101.39	7.0	3.50	0.00	10.08	2,933	114.97	9.2	0.039
12-700	699.8	267.21	26.0	12.90	0.00	42.56	10,159	322.67	14.5	0.032
Totals and averages	23,926.5	\$8,167.69	988.5	\$520.47	\$435.85	\$3,273.82	338,275	\$12,397.83	14.1	0.037

Table 4
Summary of motor vehicle operation costs 1941-1958

Year	Number of vehicles	Total mileage	Total cost	Miles per gallon	Cost per mile
1941	10	105,799	\$1,654.97	15.4	\$0.016
1942	9	68,879	1,327.26	15.1	0.020
1943	9	65,331	1,362.65	16.0	0.020
1944	9	66,215	1,409.76	15.4	0.021
1945	10	74,427	1,602.67	16.0	0.021
1946	10	115,701	4,028.08	14.2	0.034
1947	16	213,589	5,249.45	15.1	0.024
1948	20	261,852	6,580.61	14.9	0.025
1949	21	248,273	7,875.56	14.7	0.032
1950	21	270,640	8,692.66	14.1	0.032
1951	21	248,070	9,411.38	14.4	0.038
1952	23	304,654	10,206.35	14.4	0.034
1953	23	313,374	11,470.10	14.4	0.036
1954	23	274,915	9,808.14	14.1	0.036
1955	27	312,158	11,516.07	14.4	0.036
1956	29	357,849	11,742.09	14.1	0.033
1957	31	335,085	12,841.26	14.2	0.038
1958	31	338,275	12,397.83	14.1	0.037