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SUMMARY OF MOTOR VEHICLE OPERATION

FOR THE CALENDAR YEAR OF 1957

By Robert C. Barber

This is the seventeenth 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 and 3) is included in this report. Details are on file in Ann Arbor with the Institute copy of this report.

In the calendar year 1957 the Institute replaced 7 vehicles with new ones. Two 1957 Ford Ranch Wagons replaced a 1951 Chevrolet carryall and a 1952 Chevrolet sedan delivery. Two 1957 Ford 2-door utility sedans (no back seat) replaced a 1951 and 1952 Chevrolet sedan delivery. A 1957 Ford 4-door sedan replaced a 1951 Chevrolet utility coupe and a 1957 Chevrolet 2-door utility sedan replaced a 1954 Chevrolet utility coupe. A 1957 Chevrolet one-ton pickup truck replacing a 1952 Ford two-ton stake truck was the only truck replacement for the calendar year.

Two 1957 Ford Ranch Wagons (565 and 599) were added to the fleet and one vehicle (12-623) was transferred to public fishing sites in May giving the fleet a net total of 31 vehicles.

Three vehicles (616, 630 and 597) were turned in for salvage in December but were not replaced by the end of this calendar year.

The 1957 model vehicles marked the advent of the department policy of V-8 engines and automatic transmissions in all passenger cars. Trucks and carryalls will continue with 6-cylinder engines and standard transmissions.

The average miles per gallon was 14.2 and cost per mile of operation was \$0.038. The total mileage driven in 1957 was 335,085 or 10,809 miles per vehicle.

INSTITUTE FOR FISHERIES RESEARCH

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Table 1

Vehicles used by Institute for Fisheries Research during 1957

License number	Total mileage to date	Total cost of operation to date	Year	Make	Body style
12-538	39,696	\$1,134.77	1955	Ford	Ranch Wagon
12-539	36,723	1,209.91	1955	Ford	Ranch Wagon
12-540	48,003	1,580.70	1955	Ford	Ranch Wagon
12-565(1)	12,293	443.44	1957	Ford	Ranch Wagon
12-572	62,988	2,029.01	1954	Ford	Ranch Wagon
12-590	54,816	2,016.50	1951	Chevrolet	1/2-ton panel
12-596	38,311	1,377.39	1955	Ford	Ranch Wagon
12-597(2)	53,175	1,730.01	1952	Chevrolet	sedan delivery
12-599(1)	11,133	460.99	1957	Ford	Ranch Wagon
12-607	19,630	674.62	1956	Chevrolet	carryall
12-616(2)	71,601	2,587.99	1953	Ford	sedan
12-617	43,102	1,303.95	1954	Chevrolet	carryall
12-618	19,023	908.14	1956	Chevrolet	carryall
12-619(1,2)	17,380	685.84	1957	Ford	Ranch Wagon
12-621	43,966	1,361.73	1954	Ford	Ranch Wagon
12-623(3)	53,151	348.58	1954	Dodge	1-ton pickup
12-629	34,402	1,158.40	1954	Chevrolet	carryall
12-630(2)	65,011	2,073.65	1953	Ford	Ranch Wagon
12-632	26,884	1,018.47	1956	Chevrolet	sedan delivery
12-633(1,2)	6,835	677.04	1957	Ford	utility sedan 2-dr.
12-634	22,940	699.80	1956	Chevrolet	utility sedan 2-dr.
12-635(1,2)	11,219	457.47	1957	Ford	utility sedan 2-dr.
12-636	13,115	738.42	1954	Chevrolet	3/4-ton dump
12-637(1,2)	13,429	511.91	1957	Ford	4-dr. sedan
12-652	21,819	1,491.33	1951	Jeep	4-WD pickup
12-655	51,732	1,475.88	1954	Chevrolet	utility sedan 2-dr.
12-656(2)	69,194	1,578.48	1954	Chevrolet	utility sedan 2-dr.
12-656(1)	3,652	84.71	1957	Chevrolet	utility sedan 2-dr.
12-661(2)	63,596	2,038.24	1952	Chevrolet	sedan delivery
12-661(1)	10,038	335.26	1957	Ford	Ranch Wagon
12-662	40,977	1,501.70	1954	Chevrolet	carryall
12-675	7,500	443.67	1955	Ford	F-500 stake truck
12-685(2)	73,772	531.08	1952	Ford	F-6 2-ton stake truck
12-685(1)	2,387	86.63	1957	Chevrolet	1-ton pickup
12-700	22,773	848.73	1956	Chevrolet	carryall

NOTE: Numbers in parentheses refer to the following:

- (1) Vehicles purchased in 1957
- (2) Vehicles salvaged in 1957
- (3) Transferred to public fishing sites, May 1957

Table 2

Summary of individual motor vehicle operations for 1957

License number	Gasoline (gallons)	Cost of gasoline	Oil (quarts)	Cost of oil	Cost of tires	Cost of repairs misc. exp.	Mileage during 1957	Cost of operation 1957	Miles per gallon of gasoline	Cost per mile
12-538	1,260.9	\$417.65	26	\$11.00	\$ 4.50	\$101.87	17,911	\$535.02	14.2	\$0.030
12-539	955.7	340.44	18	8.95	4.50	99.14	17,203	453.03	18.0	0.025
12-540	1,029.3	356.20	27	15.85	7.00	194.40	15,873	573.45	15.4	0.036
12-565	793.9	262.44	50	21.35	56.06	103.59	12,293	443.44	15.5	0.036
12-572	827.3	291.10	30	14.30	11.65	183.30	14,101	500.35	17.0	0.035
12-590	800.0	280.82	48	15.70	8.00	7.92	9,954	312.44	12.4	0.031
12-596	913.9	307.85	29	14.30	6.25	125.23	10,740	453.63	11.8	0.042
12-597	762.5	268.75	28	12.95	1.00	203.46	11,443	486.16	15.0	0.042
12-599	699.2	234.69	18	7.20	47.06	172.04	11,126	460.99	15.9	0.041
12-607	720.0	257.51	24	10.22	1.00	73.58	8,939	342.31	12.4	0.046
12-616	367.6	120.64	10	5.00	37.14	79.85	5,145	242.63	14.0	0.047
12-617	583.4	198.28	28	10.95	3.35	136.20	8,224	348.78	14.1	0.042
12-618	906.0	305.03	37	19.90	41.00	90.00	11,666	455.93	12.9	0.039
12-619	1,320.5	463.71	50	25.30	60.31	136.52	17,380	685.84	13.2	0.039
12-621	689.6	242.30	24	10.10	18.60	112.68	10,782	383.68	15.6	0.034
12-623	455.7	155.38	28	15.40	....	43.83	5,683	214.61	12.5	0.037
12-629	781.7	276.25	22.5	11.70	26.67	146.64	10,989	461.26	14.1	0.042
12-630	724.1	245.14	25	11.74	37.25	76.58	9,750	370.71	13.5	0.038
12-632	564.4	197.82	30	14.95	....	113.13	10,206	325.90	18.1	0.031
12-633	1,055.4	356.56	42	21.20	50.46	248.82	14,100	677.04	13.4	0.048
12-634	764.6	262.92	30	16.55	12.00	106.17	10,524	397.64	13.8	0.038
12-635	760.0	265.80	51	25.40	53.81	112.46	11,134	457.47	14.6	0.041
12-636	366.0	127.85	4	3.35	86.70	53.25	3,409	271.15	9.3	0.080
12-637	822.6	304.81	38	19.20	36.08	151.82	13,420	511.91	16.3	0.038
12-652	379.0	132.95	34	15.00	5.20	30.58	2,892	183.73	7.6	0.064
12-655	517.0	168.04	12	5.90	5.00	101.51	7,864	280.45	15.2	0.030
12-656(old)	805.0	280.94	69	41.40	39.60	64.83	15,880	426.77	19.7	0.027
12-656(new)	228.5	74.76	10	5.80	....	4.15	3,507	84.71	15.3	0.024
12-661(old)	10.0	3.30	..	....	....	....	202	3.30	20.2	0.016
12-661(new)	826.2	288.47	18	9.55	6.00	31.24	10,038	335.26	12.1	0.033
12-662	247.7	87.02	22	10.90	....	229.34	3,091	327.26*	12.5	0.106
12-675	445.5	83.87	..	....	....	8.14	1,844	92.01	7.5	0.050
12-685(old)	396.0	134.76	16	8.00	2.00	37.10	3,884	181.86	9.8	0.047
12-685(new)	211.0	71.69	2	1.00	....	13.94	2,387	86.63	11.3	0.036
12-700	867.7	307.19	11	5.30	125.19	36.23	11,501	473.91	13.3	0.041
Totals and averages	23,657.9	\$8,172.93	911.5	\$445.41	\$793.38	\$3,429.54	335,085	\$12,841.26	14.2	\$0.038

*Includes \$178.78 accident repair expense.

Table 3

Summary of motor vehicle operation costs 1941-1957

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