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K. G. Fukano

INSTITUTE FOR FISHERIES RESEARCH
DIVISION OF FISHERIES
MICHIGAN DEPARTMENT OF CONSERVATION
COOPERATING WITH THE
UNIVERSITY OF MICHIGAN

ALBERT S. HAZZARD, PH.D.
DIRECTOR

ADDRESS
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ANN ARBOR, MICHIGAN

Report No. 1129

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Summary of motor vehicle operations
for the calendar year 1946

by

K. G. Fukano

Each year since 1941 a report on the motor vehicles operated by the Institute has been prepared. This year was the first full year since wartime restrictions on tires and gas have been lifted. To facilitate comparison with previous summaries this report will follow the pattern of Institute Report Nos. 752, 752A, 922,⁹⁸⁵ and 1034.

All tables are self-explanatory. During 1946 license number 48 was used for the summer months by the Institute and number 34 was used by Wolf Lake Hatchery for part of March and May and all of April. The tables include only the data for the periods when these vehicles were used by the Institute. The following table lists the motor vehicles used by the Institute:

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License number	Total mileage to date	Total cost of operations to date	Year	Make	Body style
24	47,705	1,052.65	1942	Chevrolet	1/2-ton sedan delivery truck
28	95,083	2,076.45	1941	Chevrolet	1/2-ton sedan delivery truck
33	73,547	1,657.36	1938	Chevrolet	1/2-ton panel truck
34	42,089	1,584.82	1939	Ford	1-1/2-ton panel truck
35	57,768	1,397.68	1939	Ford	1-1/2-ton panel truck
44	91,071	1,663.68	1941	Chevrolet	Surburban carryall
45	95,809	1,917.74	1941	Chevrolet	Coupe
47	42,560	1,024.93	1941	Chevrolet	3/4-ton panel truck
48	...	...	1941	Ford	3/4-ton pick-up
54	691	18.69	1946	Chevrolet	Surburban carryall

Tables 1 to 10, inclusive summarize the monthly cost of operation for each vehicle. The total monthly cost of operations is presented in Table 11. The yearly summary for each unit is presented in Table 12.

INSTITUTE FOR FISHERIES RESEARCH

By K. G. Fukano

Report approved by: A. S. Hazzard

Report typed by: S. E. Bommer

Table 1

License number 24 (Chevrolet sedan delivery truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	49.0	9.10	4	1.02	...	13.95	604	24.07	624.98	37,931
February	23.0	4.17	...	...	...	.42	297	4.59	629.57	38,228
March	105.2	19.17	4	.92	...	3.85	1,575	23.94	653.51	39,803
April	70.0	12.94	7	2.40	...	11.82	984	27.16	680.67	40,787
May	58.0	10.44	4	1.02	...	3.78	839	15.24	695.91	41,626
June	99.0	17.90	8	1.20	...	.75	1,274	19.85	715.76	42,900
July	111.0	19.98	6	.90	.75	5.80	1,245	27.43	743.19	44,145
August	98.5	17.73	4	.60	...	40.90	1,080	59.23	802.42	45,225
September	49.0	8.82	1	.15	...	134.64	418	143.61	946.03	45,643
October	42.0	7.56	6	2.04	...	35.13	560	44.73	990.76	46,203
November	63.0	11.34	1	.15	...	29.54	637	41.03	1031.79	46,840
December	66.5	12.36	...	...	...	8.50	865	20.86	1052.65	47,705
Totals	834.2	151.51	45	10.40	.75	289.08	10,378	451.74		

Table 2

License number 28 (Chevrolet sedan delivery truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	95.6	18.01	3	.60	...	.15	1,630	18.76	1501.19	77,499
February	37.7	7.23	1	.27	...	233.32	401	240.82	1742.01	77,900
March	97.4	18.64	5	1.34	...	.37	1,702	20.35	1762.36	79,602
April	211.3	39.03	18	4.12	...	7.80	3,560	50.95	1813.31	83,162
May	85.3	15.89	4	.84	.90	47.45	1,686	65.08	1878.39	84,848
June	107.5	20.42	15	3.72	...	9.60	1,645	33.74	1912.13	86,493
July	98.7	18.11	11	2.37	...	3.77	1,884	24.25	1936.38	88,377
August	98.0	19.29	14	3.27	...	1.18	1,734	23.74	1960.12	90,111
September	83.2	17.14	10	2.34	...	31.41	1,259	50.89	2011.01	91,370
October	105.4	20.73	17	3.87	...	5.00	1,790	29.60	2040.61	93,160
November	81.1	16.78	5	1.34	...	1.20	1,334	19.32	2059.93	94,494
December	62.5	13.43	3	.79	...	2.30	589	16.52	2076.45	95,083
Totals	1,163.7	224.70	106	24.87	.90	343.55	19,214	594.02		

Table 3

License number 33 (Chevrolet panel truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	121.2	21.53	10	1.50	...	9.65	1,289	32.68	1,446.77	70,243
February	78.5	14.13	7	1.05	...	38.41	1,029	53.59	1,500.36	71,272
March	...	...	...	...	...	...	...	...	...	...
April	17.5	3.15	...	...	...	80.11	203	83.26	1,583.62	71,475
May	55.0	9.90	...	...	...	...	483	9.90	1,593.52	71,958
June	63.8	11.68	5	.96	...	...	480	12.64	1,606.16	72,438
July	29.7	5.74	1	.36	...	...	313	6.10	1,612.26	72,751
August	14.0	2.84	5	1.75	...	25.48	99	30.07	1,642.33	72,850
September	22.7	4.70	2	.52	...	...	265	5.22	1,647.55	73,115
October	27.5	5.80	8	2.61	...	1.40	432	9.81	1,657.36	73,547
November	...	...	...	...	...	...	...	...	...	...
December	...	...	...	...	...	...	...	...	...	...
Totals	429.9	79.47	38	8.75	...	155.05	4,593	243.27		

Table 4

License number 34 (Ford panel truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	115.0	20.70	16	2.40	...	...	1,243	23.10	1,086.32	33,229
February	97.0	17.46	16	2.40	...	1.50	1,032	21.36	1,107.68	34,261
March	32.0	6.11	5	1.13	...	1.50	397	8.74	1,116.42	34,658
April	Wolf Lake Hatchery	...	...	...	...	...	...	...	...	...
May	39.3	7.25	8	1.95	...	6.36	507	15.56	1,151.13	36,035
June	53.1	9.84	6	1.48	...	1.45	502	12.77	1,163.90	36,537
July	36.5	6.90	4	.96	4.00	240.02	318	251.88	1,415.78	36,855
August	193.3	36.65	28.5	5.70	2.25	6.29	1,780	50.89	1,466.67	38,635
September	66.1	13.03	12	3.14	5.00	8.32	454	29.49	1,496.16	39,089
October	91.7	17.94	1	.30	...	2.10	957	20.34	1,516.50	40,046
November	126.5	25.67	8	1.92	...	...	1,252	27.59	1,544.09	41,298
December	72.7	15.15	8	2.04	...	23.54	791	40.73	1,584.82	42,089
Totals	923.2	176.70	112.5	23.42	11.25	291.08	9,233	502.45		

↓ Used by the Institute for only part of month and by Wolf Lake Hatchery for the rest of the month.

Table 5

License number 35 (Ford panel truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	96.0	18.45	1	.30	...	...	1,163	18.75	1,106.63	48,283
February	80.0	14.94	...	...	...	.70	994	15.64	1,122.27	49,277
March	48.0	8.84	7	2.52	18.84	1.00	646	31.20	1,153.47	49,923
April	58.3	10.98	...	...	...	1.00	495	11.98	1,165.45	50,418
May	57.5	10.93	...	...	...	2.27	702	13.20	1,178.65	51,120
June	83.3	16.03	1	.36	...	11.55	806	27.94	1,206.59	51,926
July	133.6	25.00	5	1.80	...	5.79	1,271	32.59	1,239.18	53,197
August	164.2	30.08	2	.30	...	...	1,839	30.38	1,269.56	55,036
September	108.0	21.05	2	.47	1.50	32.81	1,244	55.83	1,325.39	56,280
October	75.7	15.02	10	2.40	...	4.75	652	22.17	1,347.56	56,932
November	54.9	11.40	...	...	...	1.84	440	13.24	1,360.80	57,372
December	47.4	9.58	...	...	...	27.30	396	36.88	1,397.68	57,768
Totals	1,006.9	192.30	28	8.15	20.34	89.01	10,648	309.80		

Table 6

License number 44 (Chevrolet suburban carryall)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	89.7	16.15	5	.75	1.50	.70	836	19.10	1,188.73	71,571
February	93.2	17.06	5	1.35	...	2.86	1,080	21.27	1,210.00	72,651
March	60.1	11.20	2	.54	1.00	...	826	12.74	1,222.74	73,477
April	113.7	21.37	6	1.62	...	4.00	1,902	26.99	1,249.73	75,379
May	171.4	31.98	5	1.35	4.25	...	2,840	37.58	1,287.31	78,219
June	89.5	17.02	6	1.62	...	1.55	1,436	20.19	1,307.50	79,655
July	104.4	20.13	8	2.00	1.25	3.36	1,523	26.74	1,334.24	81,178
August	81.0	15.22	1	.15	...	8.76	1,621	24.13	1,358.37	82,799
September	188.2	37.84	22	7.05	6.29	173.69	3,259	224.87	1,583.24	86,058
October	179.7	35.42	4	.72	...	2.83	3,095	38.97	1,622.21	89,153
November	81.1	15.40	7	1.75	1.00	14.85	1,362	33.00	1,655.21	90,515
December	45.0	8.10	1	.15	...	.22	556	8.47	1,663.68	91,071
Totals	1,297.0	246.89	72	19.05	15.29	212.82	20,336	494.05		

Table 7

License number 45 (Chevrolet Coupe)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	108.7	20.39	13	3.51	...	2.42	1,971	26.32	1,016.16	72,873
February	107.0	20.25	7	1.53	.75	2.80	1,971	25.33	1,041.49	74,844
March	90.1	17.47	8	1.80	...	4.50	1,562	23.77	1,065.26	76,406
April	102.9	19.32	2	.54	...	363.13	1,849	382.99	1,448.25	78,255
May	152.0	28.37	2	.54	2.75	46.17	2,995	77.83	1,526.08	81,250
June	151.8	28.90	2	.54	2.50	5.50	2,743	37.44	1,563.52	83,993
July	118.7	22.24	3	.81	...	25.37	2,192	48.42	1,611.94	86,185
August	145.7	27.59	7	2.17	...	5.78	2,720	35.54	1,647.48	88,905
September	184.9	34.87	11	2.87	28.45	105.98	3,184	172.17	1,819.65	92,089
October	116.4	22.70	2	.30	26.43	...	1,957	49.43	1,869.08	94,046
November	55.4	12.07	...	...	4.60	17.12	1,019	33.79	1,902.87	95,065
December	50.0	10.46	1	.27	...	4.14	744	14.87	1,917.74	95,809
Totals	1383.6	264.63	58	14.88	65.48	582.91	24,907	927.90		

Table 8

License number 47 (Chevrolet panel truck)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
January	65.0	12.35	6	2.06	...	38.18	784	52.59	646.52	30,974
February	94.0	16.43	5	1.75	...	30.73	961	48.91	695.43	31,935
March	75.0	14.26	9	3.24	...	9.84	1,136	27.34	722.77	33,071
April	84.7	15.66	1	.36	...	96.52	1,224	112.54	835.31	34,295
May	52.1	8.94	2	.49	...	4.50	871	13.93	849.24	35,166
June	26.0	4.49	1	.35	1.00	1.60	403	7.44	856.68	35,569
July	84.6	15.62	7.5	2.20	...	4.90	1,281	22.72	879.40	36,850
August	74.5	13.54	3	1.00	...	1.35	1,284	15.89	895.29	38,134
September	58.5	11.34	3	.84	...	.20	1,228	12.38	907.67	39,362
October	72.2	13.30	3	.60	...	60.22	1,249	74.12	981.79	40,611
November	73.8	14.44	9	2.45	...	9.52	1,072	26.41	1,008.20	41,683
December	65.0	12.06	5	1.17	...	3.50	877	16.73	1,024.93	42,560
Totals	825.4	152.43	54.5	16.51	1.00	261.06	12,370	431.00		

Table 9

License number 48 (Ford pick-up)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
June	101.1	19.64	7	2.52	.75	5.65	1,779	28.56		53,613
July	53.3	10.28	...	...	...	1.00	896	11.28		54,509
August	60.1	12.16	6	2.16	...	1.00	663	15.32		55,172
Totals	214.5		13	4.68	.75	7.65	3,338	55.16		

Table 10

License number 54 (Chevrolet suburban carryall)

Summary of operations by months

Month	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expense	Mileage during month	Total cost during month	Total cost to date	Total mileage to date
December	64.3	12.79	5	1.35	...	4.55	684	18.69	18.69	691
Total	64.3	12.79	5	1.35	...	4.55	684	18.69		

Table 11

Monthly cost of operations for
all vehicles during 1946

Month	Gasoline (gallons)	Cost of gasoline	Oil (quarts)	Cost of oil	Cost of tires & tubes	Cost of repairs, misc. expenses	Mileage during month	Total cost during month
January	740.2	136.68	58.0	12.14	1.50	65.05	9,520	215.37
February	610.4	111.67	41.0	8.35	.75	310.74	7,765	431.51
March	507.8	95.69	40.0	11.49	19.84	21.06	7,844	148.08
April	658.4	122.45	34.0	9.04	...	564.38	10,217	695.87
May	670.6	123.70	25.0	6.19	7.90	110.53	10,923	248.32
June	775.1	145.92	51.0	12.75	4.25	37.65	11,071	200.57
July	770.5	144.00	45.5	11.40	6.00	290.01	10,920	451.41
August	929.3	175.10	70.5	17.10	2.25	90.74	12,820	285.19
September	760.6	148.79	63.0	17.38	41.24	487.05	11,311	694.46
October	710.6	138.47	51.0	12.84	26.43	111.43	10,692	289.17
November	535.8	107.10	30.0	7.61	5.60	74.07	7,116	194.38
December	473.4	93.93	23.0	5.77	...	74.05	5,502	173.75
Totals	8,142.7	1,543.50	532.0	132.06	115.76	2,236.76	115,701	4,028.08

Table 12

Summary of individual motor vehicle
operations for 1946

License number	Gasoline (gallons)	Cost of gasoline	Oil (qts.)	Cost of oil	Cost of tires and tubes	Cost of repairs, misc. expenses	Mileage during 1946	Cost of operation during 1946	Miles per gallon of gas	Total cost per mile
24	834.2	151.51	45.0	10.40	.75	289.08	10,378	451.74	12.44	.0435
28	1,163.7	224.70	106.0	24.87	.90	343.55	19,214	594.02	16.51	.0309
33	429.9	79.47	38.0	8.75	...	155.05	4,593	243.27	10.68	.0530
34	923.2	176.70	112.5	23.42	11.25	291.08	9,233	502.45	10.00	.0544
35	1,006.9	192.30	28.0	8.15	20.34	89.01	10,648	309.80	10.58	.0291
44	1,297.0	246.89	72.0	19.05	15.29	212.82	20,336	494.05	15.68	.0243
45	1,383.6	264.63	58.0	14.88	65.48	582.91	24,907	927.90	18.00	.0373
47	825.4	152.43	54.5	16.51	1.00	261.06	12,370	431.00	14.99	.0348
48	214.5	42.08	13.0	4.68	.75	7.65	3,338	55.16	15.56	.0165
54	64.3	12.79	5.0	1.35	...	4.55	684	18.69	10.64	.0273
Totals	8142.7	1,543.50	532.0	132.06	115.76	2,236.76	115,701	4,028.08		