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INSTITUTE FOR FISHERIES RESEARCH
DIVISION OF FISHERIES
MICHIGAN DEPARTMENT OF CONSERVATION
COOPERATING WITH THE
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REPORT NO. 1034

SUMMARY OF MOTOR VEHICLE OPERATIONS FOR THE
CALENDAR YEAR 1945

by

W. F. Carbine

Similar reports on the motor vehicles operated by the Institute have been prepared each year since 1941 (Reports 752, 752A, 922 and 985). These reports have been extremely helpful in the preparation of monthly requisitions, budget estimates and in judging the performance of various makes and types of vehicles.

All tables are self explanatory. Certain vehicles were used only for short periods by the Institute during 1945 (numbers 34, 35, 43 and 48). Therefore, data included in the tables are for the period when these vehicles were actually used by the Institute. The vehicles used by the Institute are listed in the following table:

| License number | Total mileage to date | Total cost of operations to date | Year | Make | Body style |
|----------------|-----------------------|----------------------------------|------|-----------|------------------------------|
| 24 | 37,327 | 600.91 | 1942 | Chevrolet | 1/2-ton sedan delivery truck |
| 28 | 75,869 | 1,482.43 | 1941 | Chevrolet | 1/2-ton sedan delivery truck |
| 33 | 68,954 | 1,414.09 | 1938 | Chevrolet | 1/2-ton panel truck |
| 34 | 31,986 | 1,063.22 | 1939 | Ford | 1 1/2-ton panel truck |
| 35 | 47,120 | | 1939 | Ford | 1 1/2-ton panel truck |
| 43 | | | 1937 | Ford | 1 1/2-ton dump truck |
| 44 | 70,436 | 1,169.63 | 1941 | Chevrolet | Suburban carryall |
| 45 | 70,902 | 989.84 | 1941 | Chevrolet | Coupe |
| 47 | 30,190 | 593.93 | 1941 | Chevrolet | 3/4-ton panel truck |
| 48 | | | 1941 | Ford | 3/4-ton pick-up |

The monthly cost of operations for each unit is presented in Tables 1 to 10, inclusive. Table 11 summarizes the total monthly cost of operations. The summary for each vehicle used during 1945 is presented in Table 12.

INSTITUTE FOR FISHERIES RESEARCH

By W. F. Carbine

Report approved by A. S. Hazzard

Report typed by E. F. Livingston

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 | 13.0 | 2.34 | .. | .. | .. | 2.00 | 249 | 4.34 | 393.22 | 26,807 |
| February | 27.0 | 4.86 | 2 | 0.30 | .. | 0.60 | 495 | 5.76 | 398.98 | 27,302 |
| March | 45.0 | 8.13 | .. | .. | .. | .. | 1,016 | 8.13 | 407.11 | 28,318 |
| April | 46.0 | 8.28 | .. | .. | .. | 22.73 | 776 | 31.01 | 438.12 | 29,094 |
| May | 68.0 | 12.24 | 2 | 0.30 | 0.75 | 2.25 | 1,104 | 15.54 | 453.66 | 30,198 |
| June | 94.0 | 16.92 | 2 | 0.70 | 0.75 | 7.83 | 1,548 | 26.20 | 479.86 | 31,746 |
| July | 58.0 | 10.44 | 4 | 1.00 | 7.04 | 24.60 | 1,088 | 43.08 | 522.94 | 32,334 |
| August | 66.0 | 11.88 | 3 | .96 | 8.40 | 7.90 | 1,171 | 29.14 | 552.08 | 34,005 |
| September | 56.0 | 10.23 | 3 | .81 | .. | 6.44 | 747 | 17.48 | 569.56 | 34,752 |
| October | 83.0 | 15.65 | 3 | 1.00 | .. | .. | 1,342 | 16.65 | 586.21 | 36,094 |
| November | 34.5 | 6.21 | .. | .. | .. | .60 | 514 | 6.81 | 593.02 | 36,608 |
| December | 42.0 | 7.59 | 2 | 0.30 | .. | .. | 719 | 7.89 | 600.91 | 37,327 |
| Totals | 632.5 | 114.77 | 21 | 5.37 | 16.94 | 74.95 | 10,769 | 212.03 | | |

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 | 21.5 | 4.08 | 2 | 0.54 | .. | 0.36 | 560 | 4.98 | 1117.92 | 60,953 |
| February | 40.8 | 7.79 | 2 | 0.54 | .. | 0.72 | 709 | 9.05 | 1126.97 | 61,662 |
| March | 72.5 | 13.58 | 11 | 2.96 | .. | 1.00 | 1,225 | 17.54 | 1144.51 | 62,887 |
| April | 65.0 | 11.95 | 2 | 0.52 | 8.57 | .. | 1,337 | 21.04 | 1165.55 | 64,224 |
| May | 47.0 | 8.64 | 3 | 0.69 | .. | 1.40 | 641 | 10.73 | 1176.28 | 64,865 |
| June | 70.0 | 13.13 | 7 | 1.77 | 16.80 | 6.75 | 1,415 | 38.45 | 1214.73 | 66,280 |
| July | 126.0 | 23.38 | 13 | 3.09 | 0.75 | 1.00 | 2,524 | 28.22 | 1242.95 | 68,804 |
| August | 105.8 | 19.57 | 12 | 2.40 | 14.40 | 18.34 | 1,622 | 54.71 | 1297.66 | 70,426 |
| September | 61.6 | 11.70 | 8 | 2.35 | 16.80 | 2.25 | 1,127 | 33.10 | 1330.76 | 71,553 |
| October | 115.7 | 22.17 | 18 | 4.20 | .. | 4.85 | 2,087 | 31.22 | 1361.98 | 73,640 |
| November | 53.6 | 10.59 | 12 | 3.29 | .. | 89.09 | 916 | 102.97 | 1464.95 | 74,556 |
| December | 78.7 | 14.82 | 7 | 1.96 | .. | 0.70 | 1,313 | 17.48 | 1482.43 | 75,869 |
| Totals | 858.20 | 161.40 | 97 | 24.31 | 57.32 | 126.46 | 15,476 | 369.49 | | |

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 | 31.0 | 5.58 | 1 | 0.35 | .. | 2.70 | 393 | 8.63 | 1185.91 | 63,792 |
| February | 43.5 | 7.84 | 4 | 1.24 | .. | 0.85 | 718 | 9.93 | 1195.84 | 64,510 |
| March | 24.0 | 4.47 | 1 | 0.15 | 0.90 | 0.36 | 374 | 5.88 | 1201.72 | 64,884 |
| April | 25.0 | 4.50 | .. | ... | .. | 21.65 | 450 | 26.15 | 1227.87 | 65,334 |
| May | 34.0 | 6.12 | .. | ... | .. | 5.00 | 360 | 11.12 | 1238.99 | 65,694 |
| June | 47.0 | 8.46 | 1 | 0.15 | .. | .. | 662 | 8.61 | 1247.60 | 66,356 |
| July | 53.0 | 9.69 | 3 | 0.47 | .. | 28.08 | 518 | 38.24 | 1285.84 | 66,874 |
| August | 48.0 | 8.64 | .. | ... | .. | .. | 574 | 8.64 | 1294.48 | 67,448 |
| September | 26.0 | 4.68 | .. | ... | .. | .. | 397 | 4.68 | 1299.16 | 67,845 |
| October | 22.0 | 4.04 | .. | ... | .. | 16.96 | 261 | 21.00 | 1320.16 | 68,106 |
| November | 13.0 | 2.34 | .. | ... | .. | 1.50 | 168 | 3.84 | 1324.00 | 68,274 |
| December | 54.5 | 9.81 | 4 | 0.60 | 58.50 | 21.18 | 680 | 90.09 | 1414.09 | 68,954 |
| Totals | 421.0 | 76.17 | 14 | 2.96 | 59.40 | 98.28 | 5,555 | 236.81 | | |

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 | .. | .. | .. | .. | .. | .. | 24 | ... | 824.44 | 27,616 |
| February | .. | .. | .. | .. | .. | 2.88 | 2 | 2.88 | 827.32 | 27,618 |
| March | 29.4 | 5.65 | 1 | 0.27 | .. | 1.80 | 200 | 7.72 | 835.04 | 27,818 |
| December | 25.0 | 4.70 | 2 | 0.50 | .. | 11.95 | 422 | 17.15 | 1063.22 | 31,986 |
| Totals | 54.4 | 10.35 | 3 | 0.77 | .. | 16.63 | 648 | 27.75 | | |

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 | 75.0 | 13.50 | 5 | 0.75 | .. | 0.50 | 540 | 14.75 | 732.57 | 34,510 |
| February | 66.0 | 11.88 | 3 | 0.45 | .. | 0.25 | 571 | 12.58 | 745.15 | 35,081 |
| March | 31.0 | 5.77 | 7 | 1.65 | .. | 1.00 | 198 | 8.42 | 753.57 | 35,279 |
| Sent to Thompson Hatchery | | | | | | | | | | |
| December | 34.0 | 6.12 | .. | .. | .. | 2.65 | 424 | 8.77 | ... | 47,120 |
| Totals | 206.0 | 37.27 | 15 | 2.85 | .. | 4.40 | 1,733 | 44.52 | | |

Table 6

License number 45 (Ford dump truck)

Summary of operations by month

| 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 |
|-------|-----------------------|---------------------|---------------|-------------------|----------------------------------|---|----------------------------|----------------------------------|-----------------------------|--------------------------------|
| May | 53.0 | 9.87 | .. | .. | .. | 0.72 | 399 | .. | 10.59 | .. |

Table 7

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 | 30.0 | 5.76 | 2 | 0.54 | .. | .. | 529 | 6.30 | 859.97 | 54,880 |
| February | 30.0 | 15.34 | 2 | 0.54 | .. | 0.77 | 1,181 | 16.65 | 876.62 | 56,061 |
| March | 30.8 | 5.90 | 1 | 0.27 | .. | .. | 332 | 6.17 | 882.79 | 56,393 |
| April | 80.0 | 14.85 | 3 | 0.81 | .. | .. | 1,544 | 15.66 | 898.45 | 57,937 |
| May | 146.6 | 27.37 | 11 | 2.78 | 1.00 | 4.33 | 2,410 | 35.48 | 933.93 | 60,347 |
| June | 102.0 | 19.08 | 9 | 2.37 | .. | 34.05 | 1,765 | 55.50 | 989.43 | 62,112 |
| July | 170.0 | 31.24 | 12 | 2.70 | 5.95 | 10.35 | 3,110 | 50.24 | 1039.67 | 65,222 |
| August | 150.0 | 28.46 | 15 | 3.52 | 3.80 | 5.69 | 2,655 | 41.47 | 1081.14 | 67,877 |
| September | 40.6 | 7.80 | 4 | 1.08 | .. | .36 | 572 | 9.24 | 1090.38 | 68,449 |
| October | 68.6 | 12.65 | 11 | 2.37 | .. | 7.27 | 1,267 | 22.29 | 1112.67 | 69,716 |
| November | 23.3 | 4.52 | 1 | .27 | .. | 43.55 | 527 | 48.34 | 1161.01 | 70,243 |
| December | 37.4 | 7.00 | 6 | 1.62 | .. | .. | 492 | 8.62 | 1169.63 | 70,735 |
| Totals | 959.3 | 179.97 | 77 | 18.87 | 10.75 | 106.37 | 16,384 | 315.96 | | |

Table 8

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 | 78.70 | 15.03 | 3 | 0.81 | .. | 1.55 | 1,489 | 17.39 | 813.13 | 59,276 |
| February | 36.00 | 6.76 | 6 | 1.62 | .. | 8.50 | 456 | 16.88 | 830.01 | 59,732 |
| March | 42.40 | 7.92 | 3 | 0.81 | .. | 1.50 | 918 | 10.23 | 840.24 | 60,650 |
| April | 50.00 | 9.63 | 4 | 1.16 | .. | 5.50 | 795 | 16.29 | 856.53 | 61,445 |
| May | 64.35 | 12.07 | 2 | 0.42 | .. | .. | 1,187 | 12.49 | 869.02 | 62,632 |
| June | 62.00 | 11.79 | 3 | 0.81 | .. | 1.50 | 1,213 | 14.10 | 883.12 | 63,845 |
| July | 105.00 | 20.08 | 3 | 0.57 | 0.75 | 6.30 | 2,159 | 27.70 | 910.82 | 66,004 |
| August | 31.4 | 6.26 | 1 | 0.27 | 7.00 | 1.50 | 482 | 15.03 | 925.85 | 66,486 |
| September | 40.3 | 7.67 | 7 | 1.87 | 0.35 | 1.00 | 816 | 10.89 | 936.74 | 67,302 |
| October | 81.8 | 15.49 | 4 | 1.09 | .. | 1.25 | 1,437 | 17.83 | 954.57 | 68,739 |
| November | 33.9 | 6.44 | 3 | .79 | .. | 4.33 | 523 | 11.56 | 966.13 | 69,262 |
| December | 99.6 | 19.30 | 10 | 2.55 | .. | 1.86 | 1,640 | 23.71 | 989.84 | 70,902 |
| Totals | 725.45 | 138.44 | 49 | 12.77 | 8.10 | 34.79 | 13,115 | 194.10 | | |

Table 9

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 | 72.0 | 12.96 | 5 | 1.65 | .. | 1.27 | 1,068 | 15.88 | 441.87 | 22,711 |
| February | 49.0 | 8.85 | 1 | 0.15 | .. | .. | 788 | 9.00 | 450.87 | 23,499 |
| March | 68.0 | 12.46 | 6 | 1.65 | .. | 8.00 | 991 | 22.11 | 472.98 | 24,490 |
| April | 58.0 | 10.44 | 5 | 1.80 | .. | 1.25 | 918 | 13.49 | 486.47 | 25,408 |
| May | 25.0 | 4.75 | .. | .. | .. | .. | 284 | 4.75 | 491.22 | 25,692 |
| June | 40.0 | 7.60 | 2 | 0.52 | .. | .. | 464 | 8.12 | 499.34 | 26,156 |
| July | 40.0 | 7.37 | 5 | 1.80 | .. | 1.65 | 503 | 10.82 | 510.16 | 26,659 |
| August | 50.0 | 9.35 | 6 | 2.16 | .. | 2.15 | 708 | 13.66 | 523.82 | 27,367 |
| September | 45.0 | 8.55 | .. | .. | .. | 10.78 | 424 | 19.33 | 543.15 | 27,791 |
| October | 45.0 | 8.55 | 6 | 1.56 | .. | 1.00 | 633 | 11.11 | 554.26 | 28,424 |
| November | 65.0 | 12.35 | 8 | 2.68 | .. | 1.00 | 945 | 16.03 | 570.29 | 29,369 |
| December | 74.0 | 13.90 | 2 | 0.51 | .. | 9.25 | 821 | 23.66 | 593.95 | 30,190 |
| Totals | 631.0 | 117.13 | 46 | 14.48 | .. | 36.35 | 8,547 | 167.96 | | |

Table 10

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 |
|--------|-----------------------|---------------------|---------------|-------------------|----------------------------------|---|----------------------------|----------------------------------|-----------------------------|--------------------------------|
| April | 41.0 | 7.50 | .. | .. | .. | .. | 526 | 7.50 | | 39,985 |
| May | 81.0 | 15.24 | 2 | 0.72 | .. | .. | 1,275 | 15.96 | | 41,260 |
| Totals | 122.0 | 22.74 | 2 | 0.72 | .. | .. | 1,801 | 23.46 | | |

Table 11

Monthly cost of operations for

all vehicles during 1945

| Month | Gasoline (gallons) | Cost of gasoline | Oil quarts | Cost of oil | Cost of tires and tubes | Cost of repairs, misc. expense | Mileage during month | Total cost during month |
|-----------|-----------------------|---------------------|---------------|-------------------|----------------------------------|---|----------------------------|----------------------------------|
| January | 321.2 | 59.25 | 18 | 4.64 | .. | 8.38 | 4,852 | 72.27 |
| February | 342.3 | 63.32 | 20 | 4.84 | .. | 14.57 | 4,920 | 82.73 |
| March | 343.1 | 63.88 | 30 | 7.76 | 0.90 | 13.66 | 5,254 | 86.20 |
| April | 365.0 | 67.15 | 14 | 4.29 | 8.57 | 51.13 | 6,346 | 131.14 |
| May | 518.95 | 96.30 | 20 | 4.91 | 1.75 | 13.70 | 7,660 | 116.66 |
| June | 415.0 | 76.98 | 24 | 6.32 | 17.55 | 50.13 | 7,067 | 150.98 |
| July | 552.0 | 102.20 | 40 | 9.63 | 14.49 | 71.98 | 9,902 | 198.30 |
| August | 451.2 | 84.16 | 37 | 9.31 | 33.60 | 35.58 | 7,212 | 162.65 |
| September | 269.5 | 50.63 | 22 | 6.11 | 17.15 | 20.83 | 4,083 | 94.72 |
| October | 416.1 | 78.55 | 42 | 10.22 | .. | 31.33 | 7,027 | 120.10 |
| November | 223.3 | 42.45 | 24 | 7.03 | .. | 140.07 | 3,593 | 189.55 |
| December | 445.2 | 83.24 | 33 | 8.04 | 58.50 | 47.59 | 6,511 | 197.37 |
| Totals | 4,662.85 | 868.11 | 324 | 83.10 | 152.51 | 498.95 | 74,427 | 1,602.67 |

Table 12

Summary of individual motor vehicle
operations for 1945

| License number | Gasoline (gallons) | Cost of gasoline | Oil quarts | Cost of oil | Cost of tires and tubes | Cost of repairs, grease & access. | Mileage during 1945 | Cost of operation during 1945 | Miles per gal. gas. | Total cost per mile |
|----------------|--------------------|------------------|------------|--------------|-------------------------|-----------------------------------|---------------------|-------------------------------|---------------------|---------------------|
| 24 -C-42 | 632.5 | 114.77 | 21 | 5.37 | 16.94 | 74.95 | 10,769 | 212.03 | 17.02 | 1.97 |
| 28 C-41 | 858.2 | 161.40 | 97 | 24.31 | 57.32 | 126.46 | 15,476 | 369.49 | 18.03 | 2.38 |
| 33 C-38 | 421.0 | 76.17 | 14 | 2.96 | 59.40 | 98.28 | 5,555 | 236.81 | 13.19 | 4.26 |
| 34 F-39 | 54.4 | 10.35 | 3 | 0.77 | ... | 16.63 | 648 | 27.75 | 11.91 | 4.28 F |
| 35 F-39 | 206.0 | 37.27 | 15 | 2.85 | ... | 4.40 | 1,733 | 44.52 | 8.41 | 2.56 F |
| 43 F-37 | 53.0 | 9.87 | .. | ... | ... | 0.72 | 399 | 10.59 | 7.52 | 2.65 F |
| 44 C-41 | 959.3 | 179.97 | 77 | 18.87 | 10.75 | 106.37 | 16,384 | 315.96 | 17.07 | 1.92 |
| 45 C-41 | 725.45 | 138.44 | 49 | 12.77 | 8.10 | 34.79 | 13,115 | 194.10 | 18.07 | 1.47 |
| 47 C-41 | 631.0 | 117.13 | 46 | 14.48 | ... | 36.35 | 8,547 | 167.96 | 13.54 | 1.96 |
| 48 F-41 | 122.0 | 22.74 | 2 | 0.72 | ... | ... | 1,801 | 23.46 | 14.76 | 1.3 F |
| Totals | 4,662.85 | 868.11 | 324 | 83.10 | 152.51 | 498.95 | 74,427 | 1,602.67 | | |