

Hitchcock

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY
Washington 25, D, C.

TRAFFIC VOLUME TRENDS

March 1949

On the basis of preliminary figures, motor vehicle travel on main and local roads for the country as a whole was higher during March 1949 than in any previous March.

	Rural traffic in vehicle-miles		Percentage change from		
	March 1949 (millions)		1941	1943	1948
Main roads	11,898		+39.4	+122.6	+ 7.6
Local roads	3,784		+12.1	+ 93.5	+ 9.7
All rural roads	15,682		+31.7	+114.8	+ 8.1

7.9

Rural travel in the geographic regions and changes from previous years are as follows:

	Rural traffic in vehicle-miles		Percentage change from		
	March 1949 (millions)		1941	1943	1948
Eastern regions	4,631		+16.9	+114.8	+ 8.2
Central regions	8,395		+39.8	+115.6	+10.1
Western regions	2,656		+36.8	+114.4	+ 2.4

Travel on city streets and on rural roads as a whole was heavier than in any previous March.

	Percentage change from		
	1941	1943	1948
City streets	+40.5	+ 93.4	+ 9.5
Rural roads	+31.7	+114.8	+ 8.1
All roads and streets	+36.1	+103.2	+ 8.8

H. S. Fairbank, Deputy Commissioner
Public Roads Administration

Attachments

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT

1954

BY
J. H. GOLDSTEIN AND
M. L. HUGGINS

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DEPARTMENT OF CHEMISTRY
UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS

RESEARCH REPORT
NO. 100

1954

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TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
MARCH 1949 INCLUDING 712 STATIONS IN 46 STATES

Type of highway and State	Number of stations	Traffic volume percentage change from March 1948	Type of highway and State	Number of stations	Traffic volume percentage change from March 1948
STATE HIGHWAYS			LOCAL HIGHWAYS		
Alabama	7	+ 3.6	Alabama	1	+ 1.7
Arizona	-----	-----	Connecticut	3	- 2.1
Arkansas	22	+21.7	Delaware	2	+35.9
California	3	+ 3.5	Georgia	3	+20.2
Colorado	22	+19.9	Indiana	1	+16.2
Connecticut	16	+ 4.1	Iowa	7	+21.4
Delaware	3	+ 4.9	Maryland	1	+15.0
Florida	18	+13.7	Michigan	2	+ 8.2
Georgia	7	+ 0.2	Missouri	2	+43.4
Idaho	8	- 2.9	Montana	2	+ 8.9
Illinois	3	+ 6.1	Nebraska	1	-17.1
Indiana	21	+ 8.7	Ohio	1	+ 4.6
Iowa	25	+14.1	Oregon	1	- 3.0
Kansas	14	+23.4	Rhode Island	1	+ 5.5
Kentucky	14	- 3.5	Wisconsin	1	+52.5
Louisiana	17	+15.4			
Maine	12	+ 6.5	TOTAL - 15 STATES	29	+ 9.7
Maryland	17	+ 9.6			
Massachusetts	9	+ 9.3	ALL HIGHWAYS		
Michigan	26	+14.8	46 STATES	712	+ 8.1
Minnesota	24	+12.3			
Mississippi	10	+ 8.1	3 EASTERN REGIONS	195	+ 8.2
Missouri	25	+10.4			
Montana	12	+12.5	4 CENTRAL REGIONS	400	+10.1
Nebraska	11	+ 6.7			
Nevada	16	+ 0.2	2 WESTERN REGIONS	117	+ 2.4
New Hampshire	12	+ 4.6			
New Jersey	4	+12.6			
New Mexico	16	+ 8.8			
New York	-----	-----			
North Carolina	20	+ 3.3			
North Dakota	11	+28.6			
Ohio	15	+ 5.9			
Oklahoma	20	+ 6.0			
Oregon	11	+ 1.4			
Pennsylvania	29	+ 3.0			
Rhode Island	3	+15.1			
South Carolina	8	+ 6.3			
South Dakota	10	+ 6.4			
Tennessee	15	+ 2.6			
Texas	86	+ 8.9			
Utah	12	+ 7.8			
Vermont	12	+12.4			
Virginia	4	+ 8.4			
Washington	10	- 2.7			
West Virginia	11	+ 9.4			
Wisconsin	8	+ 8.8			
Wyoming	4	+16.3			
TOTAL - 42 STATES	683	+ 7.6			

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

Know all men that I, the undersigned, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of the County of Los Angeles, California.

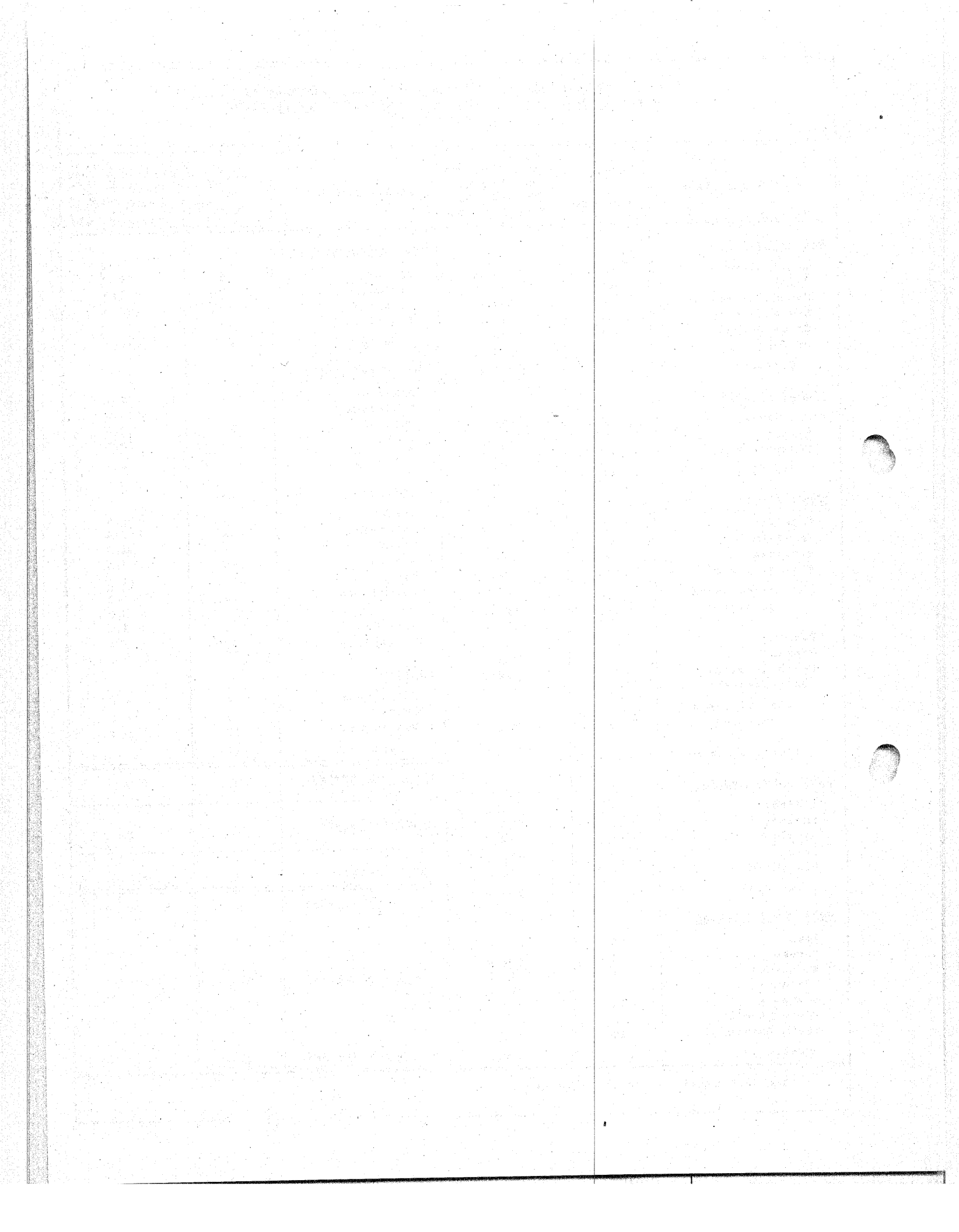
County Clerk



TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
FEBRUARY 1949 INCLUDING 705 STATIONS IN 47 STATES¹

Region and State	Number of stations	Traffic volume percentage change from February 1948	Region and State	Number of stations	Traffic volume percentage change from February 1948
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	+26.9	Alabama	8	+19.7
Maine	12	+12.3	Kentucky	12	+10.4
Massachusetts	9	+21.0	Mississippi	10	+22.3
New Hampshire	12	+18.0	Tennessee	15	+13.6
Rhode Island	3	+18.2	Subtotal	45	+16.1
Vermont	12	+9.2	WEST SOUTH CENTRAL		
Subtotal	68	+20.5	Arkansas	18	+26.1
MIDDLE ATLANTIC			Louisiana	16	+15.2
New Jersey	3	+20.4	Oklahoma	20	+12.0
New York	-----	-----	Texas	86	+13.2
Pennsylvania	29	+13.5	Subtotal	140	+14.1
Subtotal	32	+15.0	MOUNTAIN		
SOUTH ATLANTIC			Arizona	4	- 1.6
Delaware	5	+19.0	Colorado	22	+12.4
Maryland	18	+24.2	Idaho	8	-30.9
Virginia	4	+22.8	Montana	14	- 4.0
West Virginia	11	+26.2	Nevada	16	-16.5
Subtotal north portion	38	+23.9	New Mexico	16	+ 7.8
Florida	19	+13.0	Utah	12	+ 3.0
Georgia	10	+ 5.6	Wyoming	4	+ 3.2
North Carolina	20	+12.2	Subtotal	98	- 1.4
South Carolina	7	+10.0	PACIFIC		
Subtotal south portion	56	+11.2	California	4	- 7.0
Subtotal region	94	+16.4	Oregon	11	- 8.8
EAST NORTH CENTRAL			Washington	10	-17.2
Illinois	3	- 1.6	Subtotal	25	-11.0
Indiana	22	+13.2	TOTAL ALL STATES		
Michigan	28	+13.4	705 + 9.8		
Ohio	13	+11.1	STATE HIGHWAYS		
Wisconsin	9	+ 0.5	675 + 8.0		
Subtotal	75	+10.9	LOCAL HIGHWAYS		
WEST NORTH CENTRAL			30 +15.5		
Iowa	33	+ 3.4	3 EASTERN REGIONS		
Kansas	14	+ 8.6	194 +17.0		
Minnesota	24	+10.6	4 CENTRAL REGIONS		
Missouri	27	+10.5	390 + 9.3		
Nebraska	12	- 9.6	2 WESTERN REGIONS		
North Dakota	10	- 8.7	121 - 1.2		
South Dakota	10	+ 3.1			
Subtotal	130	+ 6.1			

¹Combined State and local highways.



**TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES
IN MARCH 1949 COMPARED WITH THOSE IN MARCH 1948**

Facilities	1949			Percentage change from 1948		
	Total	Passenger cars ¹	Trucks and busses	Total	Passenger cars ¹	Trucks and busses
EASTERN REGIONS						
4 in the New England States	1,156,641	1,041,333	115,308	+19.6	+20.8	+ 9.8
14 in the Middle Atlantic States	11,700,669	10,036,046	1,664,623	+ 7.1	+ 7.8	+ 3.3
2 parkways in the Middle Atlantic States	1,272,584	1,272,584	-----	+12.9	+12.9	-----
Pennsylvania Turnpike ²	227,146	159,032	68,114	+ 7.6	+ 3.6	+18.3
Maine turnpike ²	87,139	76,547	10,592	+27.8	+24.0	+64.1
5 in the South Atlantic States	484,794	383,868	100,926	+11.5	+12.0	+ 9.8
TOTAL - 27 facilities	14,928,973	12,969,410	1,959,563	+ 8.7	+ 9.4	+ 4.7
CENTRAL REGIONS						
3 on the Great Lakes Canadian border ³	234,117	216,735	17,382	- 0.6	- 1.8	+18.8
1 in the Great Lakes Region	10,300	8,625	1,675	+ 5.8	+ 6.1	+ 4.4
<i>Subtotal - 4 facilities</i>	<i>244,417</i>	<i>225,360</i>	<i>19,057</i>	<i>- 0.3</i>	<i>- 1.6</i>	<i>+17.4</i>
2 on the Ohio River	246,262	210,760	35,502	+ 4.0	+ 3.7	+ 5.9
7 on the Mississippi and St. Croix Rivers St. Louis and North	554,396	459,090	95,306	+ 7.0	+ 6.7	+ 8.2
4 on the Miss. River south of St. Louis	157,495	115,959	41,536	+ 4.3	+ 3.6	+ 6.3
<i>Subtotal - 11 facilities</i>	<i>711,891</i>	<i>575,049</i>	<i>136,842</i>	<i>+ 6.4</i>	<i>+ 6.1</i>	<i>+ 7.6</i>
4 on the Missouri River	157,480	129,311	28,169	- 2.7	- 1.2	- 8.8
2 in the West South Central States	25,573	24,335	1,238	+ 5.1	+ 5.5	- 2.4
<i>Subtotal - 6 facilities</i>	<i>183,053</i>	<i>153,646</i>	<i>29,407</i>	<i>- 1.7</i>	<i>- 0.2</i>	<i>- 8.5</i>
TOTAL - 23 facilities	1,385,623	1,164,815	220,808	+ 3.6	+ 3.2	+ 5.6
WESTERN REGIONS						
2 in California	2,902,913	2,634,419	268,494	+ 4.6	+ 5.1	- 0.3
5 in the Oregon-Washington Area	402,587	345,875	56,712	- 1.2	- 2.1	+ 5.0
TOTAL - 7 facilities	3,305,500	2,980,294	325,206	+ 3.9	+ 4.2	+ 0.6
UNITED STATES						
TOTAL - 57 facilities	19,620,096	17,114,519	2,505,577	+ 7.5	+ 8.0	+ 4.2
¹ Non-revenue vehicles included in report and treated as passenger cars unless otherwise specified. ² Number of vehicles, those using any portion of the facility. ³ One of these facilities is in Western New York and therefore is related to similar facilities in the Central States.						

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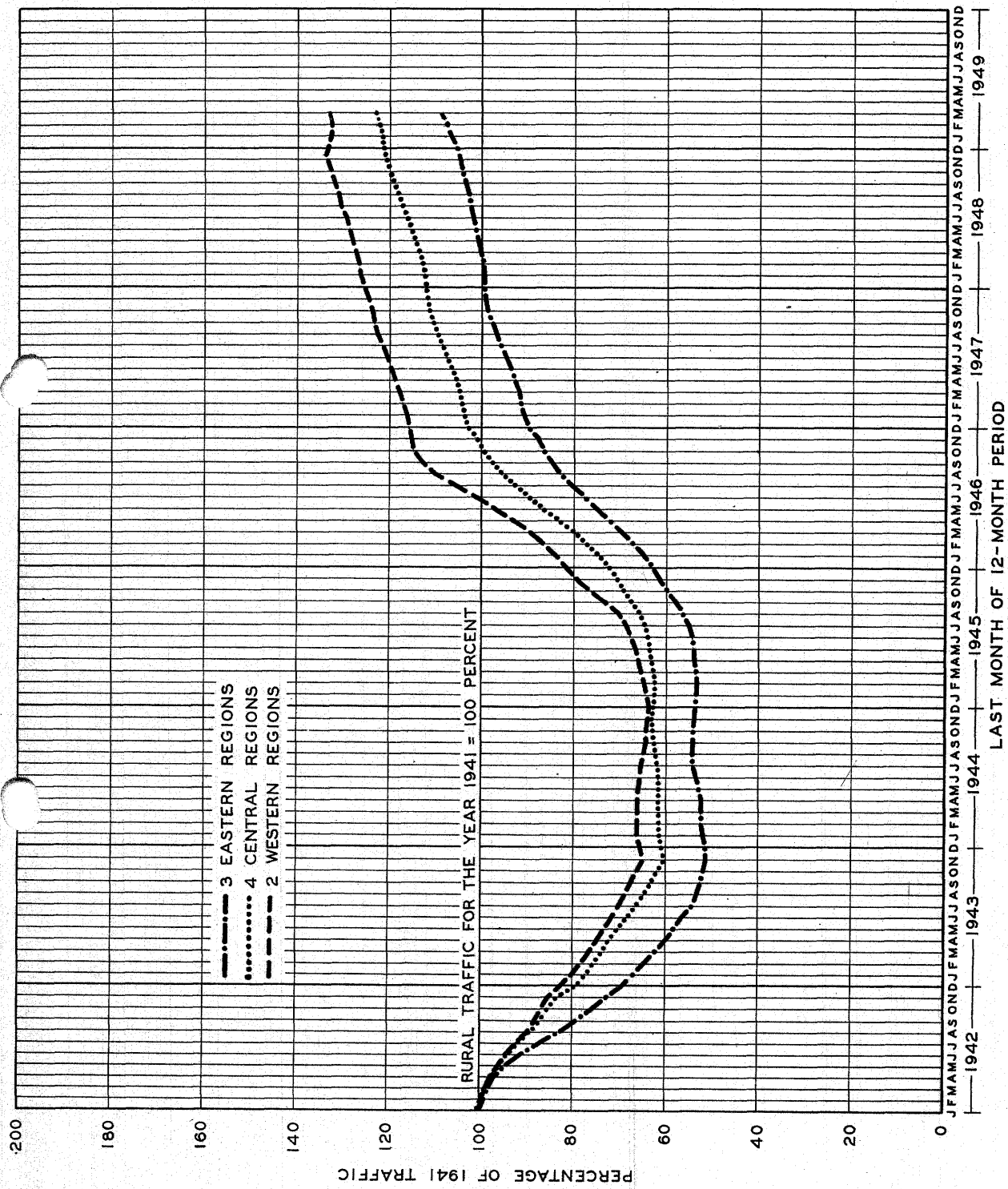


FIGURE 1 - TRAFFIC FOR YEAR ENDING EACH MONTH 1942 TO DATE AS A PERCENTAGE OF TRAFFIC FOR THE CALENDAR YEAR 1941 BY GEOGRAPHIC REGIONS

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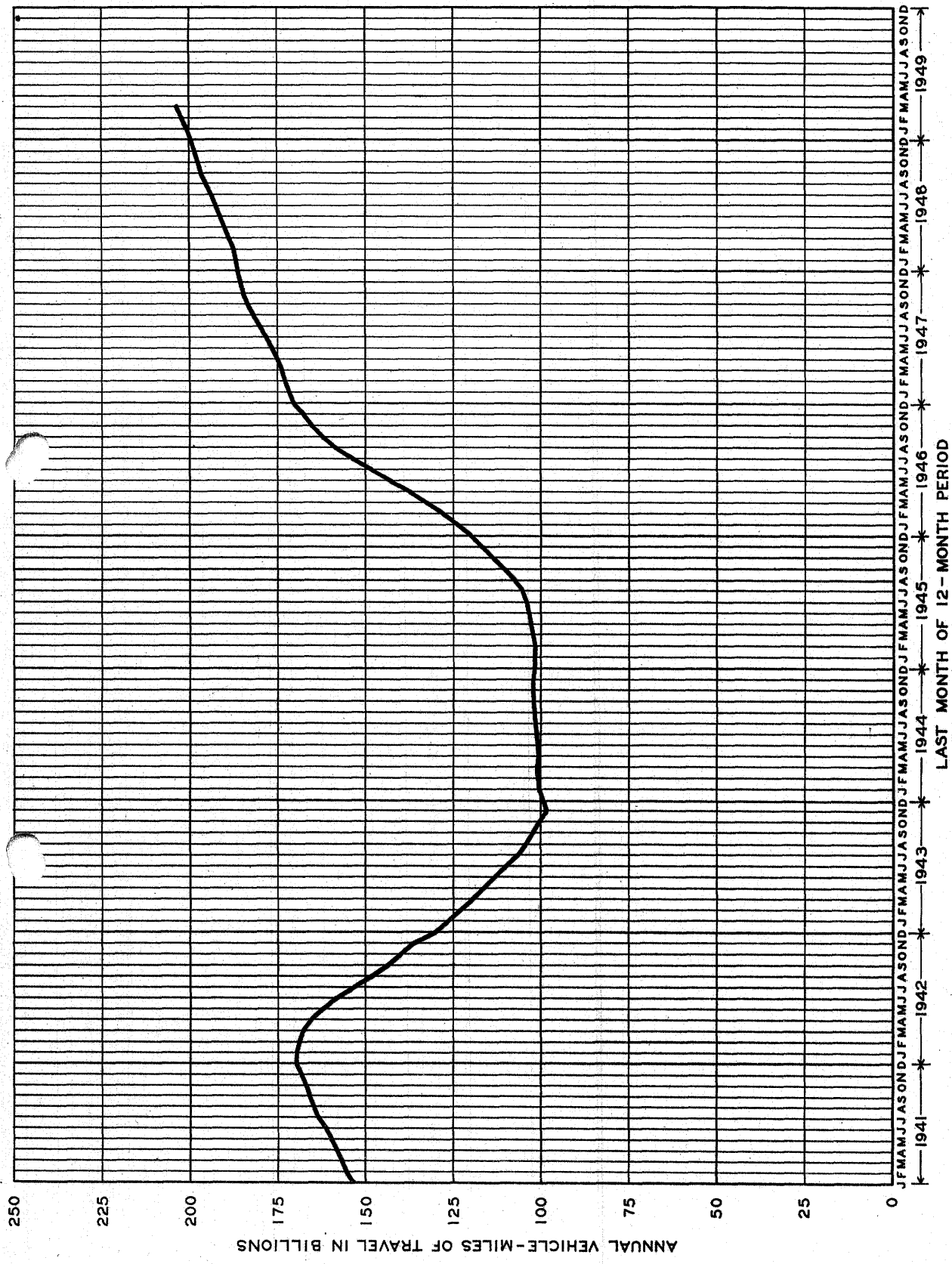


FIGURE 2 -- VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS BY 12 MONTH PERIODS ENDING EACH MONTH -- 1941 TO DATE

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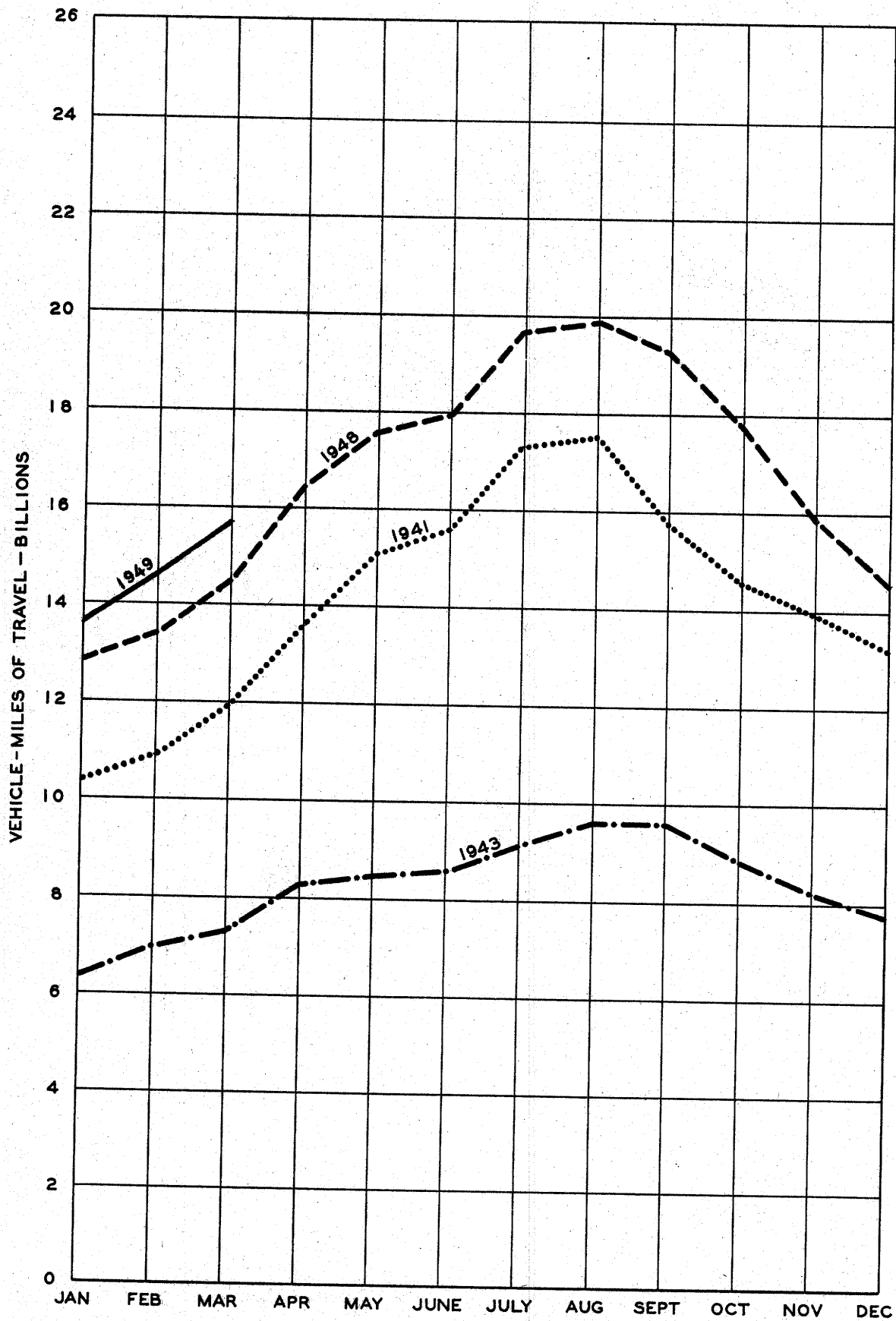
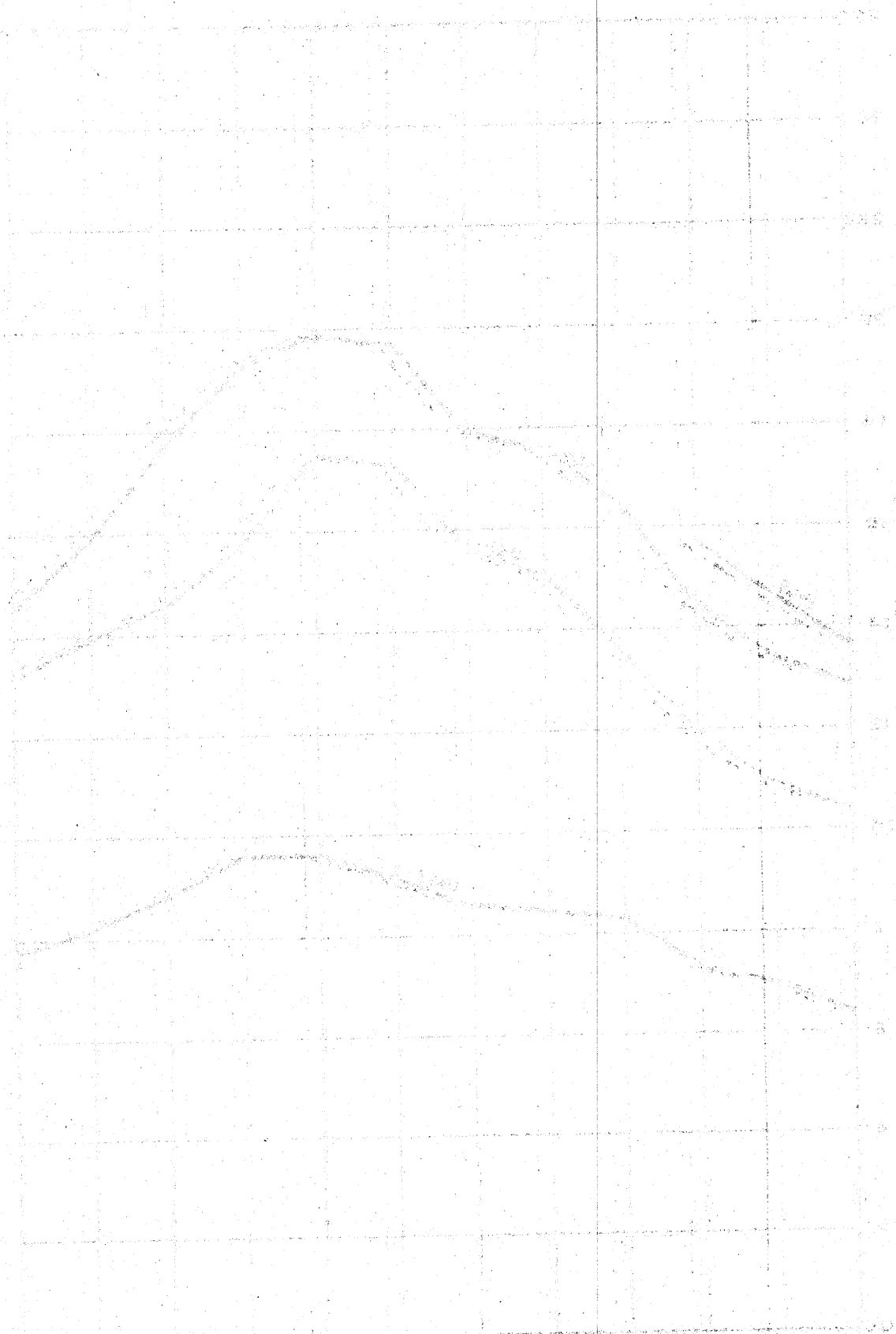


FIGURE 3 - VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS IN 1941, 1943, 1948 AND 1949



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