

PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

INFORMATIONAL MEMORANDUM

DATE: NOVEMBER 29, 1946

SUBJECT: TRAFFIC VOLUME TRENDS

On the basis of preliminary estimates, total travel on rural roads during October 1946 exceeded the amount of such traffic in October 1941 by five percent. This increase on main highways was 4 percent and almost 9 percent on local roads.

Traffic in the two western regions was 31 percent above corresponding 1941 counts; that in the central and eastern regions was approximately equal. In comparison with 1945 figures, traffic in the western regions increased 23 percent; that in the central regions 25 percent; and that in the eastern regions 26 percent.

Comparisons of city traffic in October 1946 with corresponding traffic in October 1945 are as follows:

6 stations in Chicago, Illinois +26.0 percent
2 stations in Cleveland, Ohio +26.3 percent
3 stations in Detroit, Michigan +21.1 percent
1 station in Duluth, Minnesota +10.0 percent
1 station in Santa Fe, New Mexico +33.8 percent
6 stations in St. Louis, Missouri +21.1 percent
11 stations in Washington, D. C. +14.6 percent

H. S. FAIRBANK, DEPUTY COMMISSIONER,
PUBLIC ROADS ADMINISTRATION

P-4716

Attachments

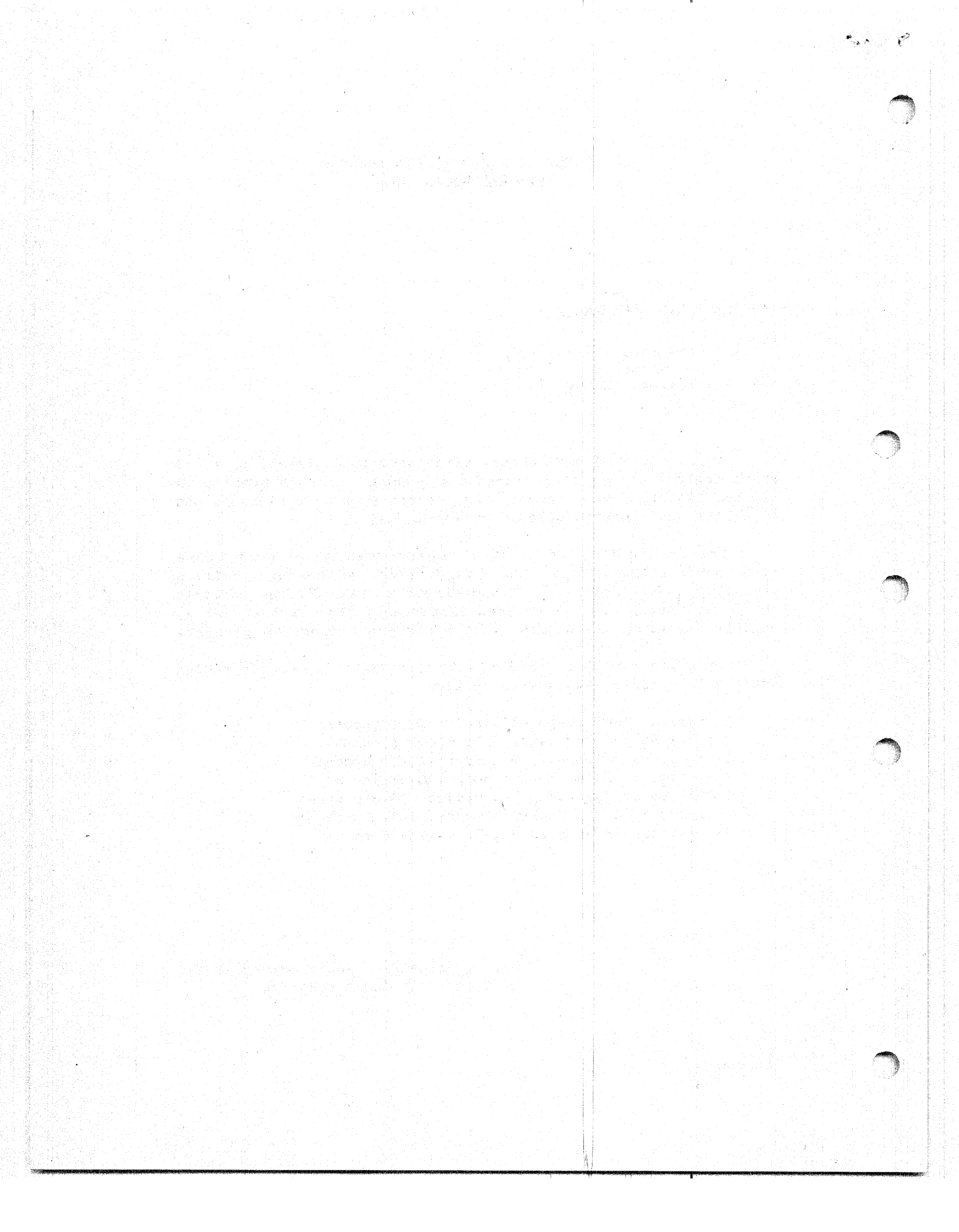


TABLE 1.--PRELIMINARY SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR OCTOBER 1946 INCLUDING 572 STATIONS IN 42 STATES¹

Type of highway and State	Number of stations	Percentage change from Oct. 1945	Type of highway and State	Number of stations	Percentage change from Oct. 1945
<i>STATE HIGHWAYS</i>			<i>STATE HIGHWAYS</i>		
Alabama	8	+22.3	(Continued)		
Arizona	4	+33.2	Utah	10	+10.8
Arkansas	17	+23.2	Vermont	6	+33.6
California	7	+30.2	Washington	10	+ 9.8
Colorado	3	+14.4	West Virginia	11	+25.0
Connecticut	16	+24.4	Wisconsin	9	+24.8
Delaware	5	+29.1	Wyoming	6	+11.6
Florida	19	+15.9			
Georgia	7	+26.9	<i>TOTAL - 42 STATES</i>	540	+22.1
Idaho	8	+15.3			
Illinois	5	+52.4	<i>LOCAL HIGHWAYS</i>		
Iowa	26	+25.1	Alabama	2	+47.0
Kansas	13	+20.2	Connecticut	3	+27.3
Kentucky	12	+23.3	Delaware	2	+59.3
Louisiana	6	+33.5	Georgia	3	+27.0
Maine	10	+26.5	Iowa	8	+12.8
Massachusetts	9	+26.4	Michigan	2	+44.4
Michigan	26	+35.6	Missouri	2	+ 7.1
Mississippi	10	+27.6	Montana	2	- 1.2
Missouri	25	+17.7	Nebraska	1	+ 5.7
Montana	12	+13.9	North Dakota	2	-36.7
Nebraska	11	+12.7	Ohio	2	+29.1
Nevada	16	+14.5	Oregon	1	+41.7
New Hampshire	10	+36.7	Rhode Island	1	+19.8
New Mexico	11	+15.1	Wisconsin	1	+51.3
New York	1	+30.5			
North Carolina	20	+25.1	<i>TOTAL - 14 STATES</i>	32	+32.0
North Dakota	8	+ 3.1			
Ohio	22	+22.2	<i>ALL HIGHWAYS</i>		
Oklahoma	2	+18.6	42 STATES	572	+24.9
Oregon	1	+51.1			
Pennsylvania	30	+18.7	3 EASTERN REGIONS	155	+30.3
Rhode Island	2	+17.1	4 CENTRAL REGIONS	326	+24.8
South Dakota	9	+18.4	2 WESTERN REGIONS	91	+22.9
Tennessee	6	+18.7			
Texas	73	+17.3			

¹Includes all States except Indiana, Maryland, Minnesota, New Jersey, South Carolina and Virginia.

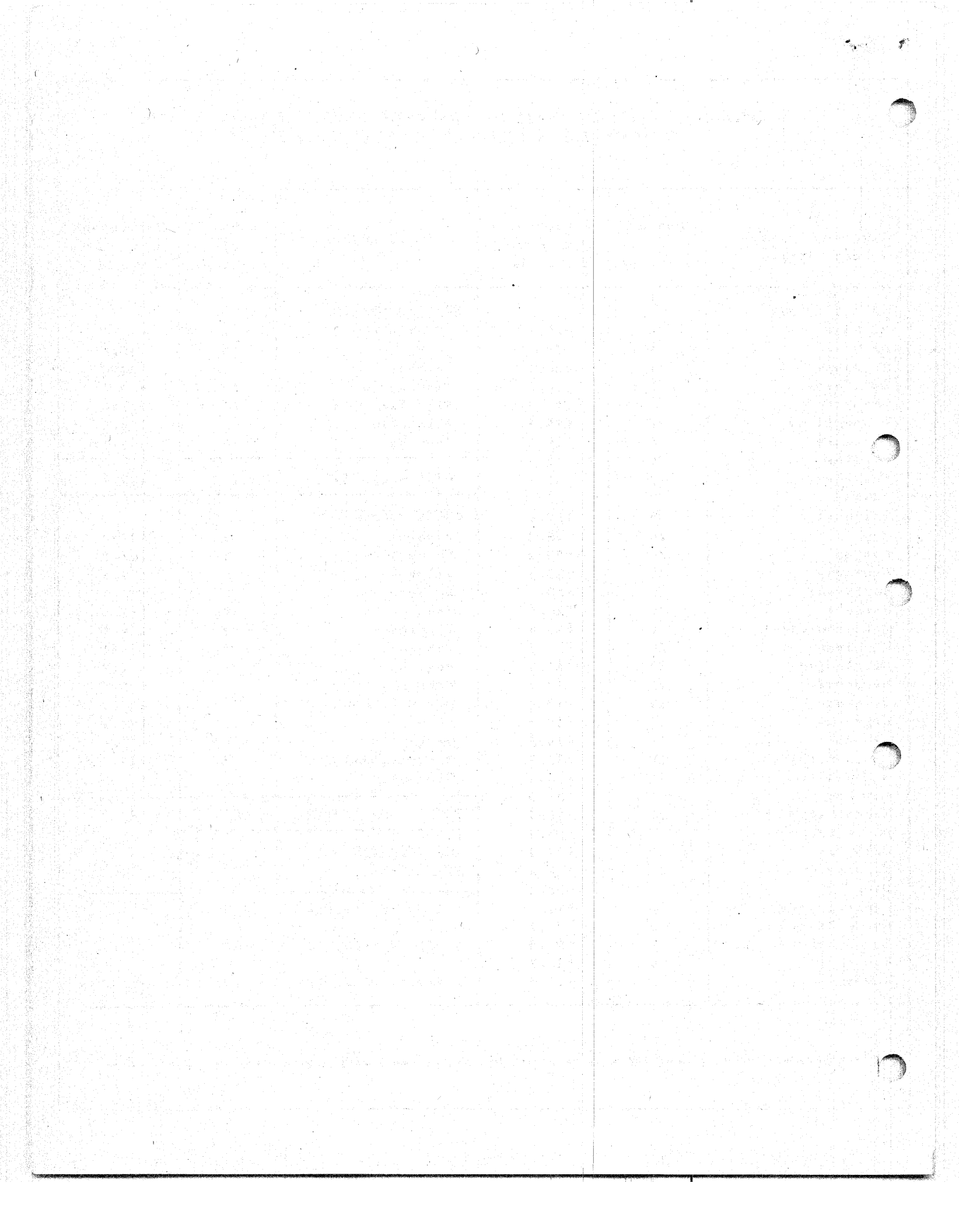


TABLE 2.--REVISED SUMMARY OF AUTOMATIC TRAFFIC RECORDER DATA FOR
SEPTEMBER 1946 INCLUDING 626 STATIONS IN 45 STATES¹

Region and State	Number of stations	Percentage change from Sept. 1945	Region and State	Number of stations	Percentage change from Sept. 1945
NEW ENGLAND			EAST SOUTH CENTRAL		
Connecticut	20	+30.0	Alabama	10	+24.9
Maine	10	+25.0	Kentucky	9	+24.1
Massachusetts	9	+27.3	Mississippi	10	+31.0
New Hampshire	14	+26.3	Tennessee	7	+16.8
Rhode Island	3	+15.9	Subtotal	36	+24.6
Vermont	9	+28.4	WEST SOUTH CENTRAL		
Subtotal	65	+27.7	Arkansas	19	+35.9
MIDDLE ATLANTIC			Louisiana	7	+29.7
New York	1	+39.8	Oklahoma	20	+25.9
Pennsylvania	30	+24.4	Texas	73	+17.3
Subtotal	31	+25.7	Subtotal	119	+21.4
SOUTH ATLANTIC			MOUNTAIN		
Delaware	7	+26.9	Arizona	4	+37.6
Maryland	18	+21.7	Colorado	5	+26.4
Virginia	2	+32.1	Idaho	8	+33.9
West Virginia	11	+29.5	Montana	14	+21.1
Subtotal north portion	38	+24.4	Nevada	16	+25.3
Florida	19	+16.6	New Mexico	14	+14.9
Georgia	10	+28.8	Utah	10	+23.8
North Carolina	19	+31.3	Wyoming	6	+40.4
Subtotal south portion	48	+25.6	Subtotal	77	+26.3
Subtotal region	86	+25.0	PACIFIC		
EAST NORTH CENTRAL			California	7	+34.9
Illinois	4	+33.2	Oregon	4	+32.2
Indiana	22	+29.7	Washington	10	+18.4
Michigan	28	+28.7	Subtotal	21	+26.9
Ohio	24	+32.4	TOTAL ALL STATES¹	626	+30.0
Wisconsin	10	+27.0	STATE HIGHWAYS²	592	+29.8
Subtotal	88	+29.7	LOCAL HIGHWAYS	34	+30.5
WEST NORTH CENTRAL			3 EASTERN REGIONS	182	+30.3
Iowa	34	+31.5	4 CENTRAL REGIONS	346	+27.7
Kansas	14	+27.6	2 WESTERN REGIONS	98	+35.7
Missouri	23	+27.5			
Nebraska	12	+21.5			
North Dakota	11	+21.6			
South Dakota	9	+40.8			
Subtotal	103	+28.5			

¹ Combined State and local highways.

² Includes all States except the following: Minnesota, New Jersey and South Carolina.

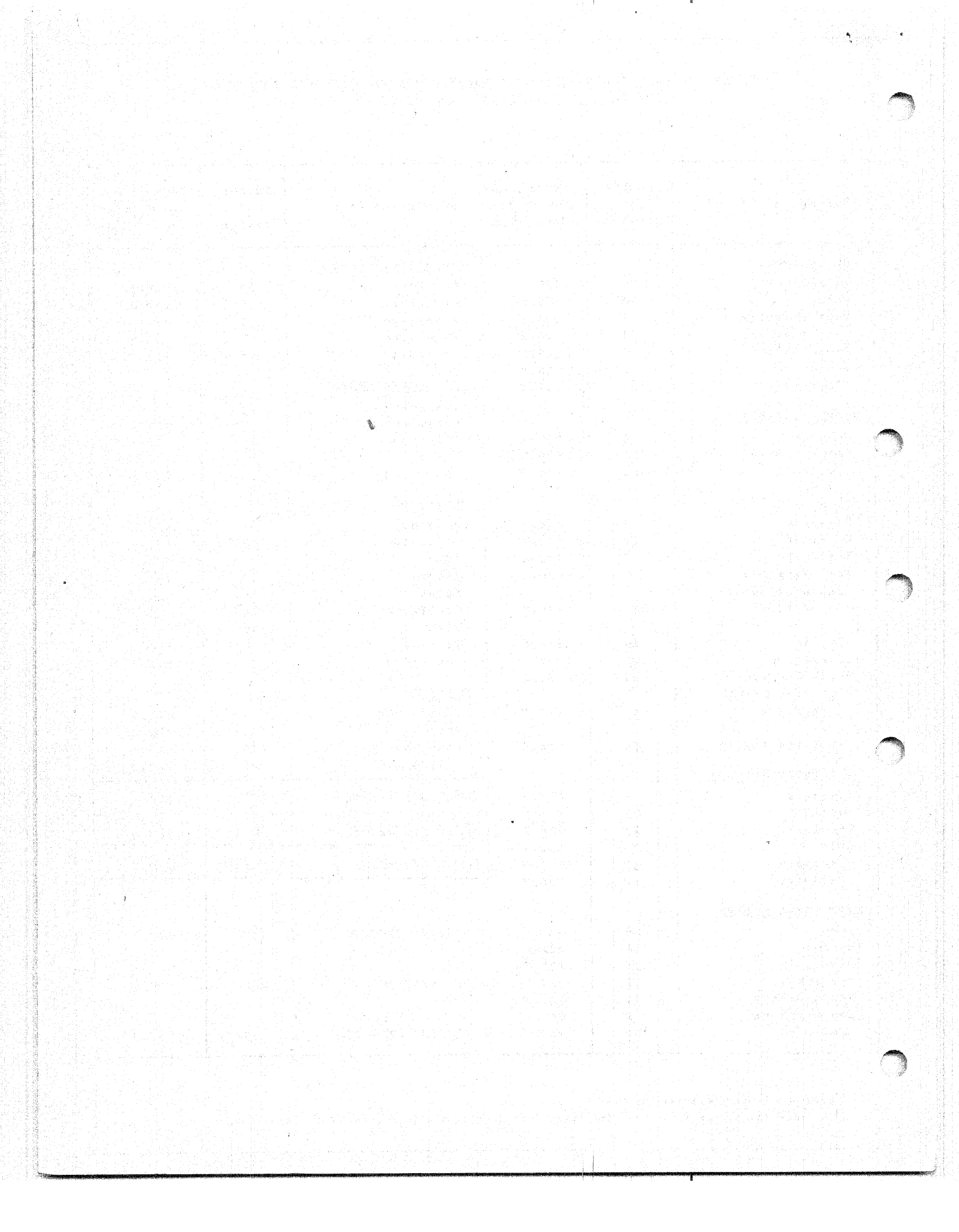
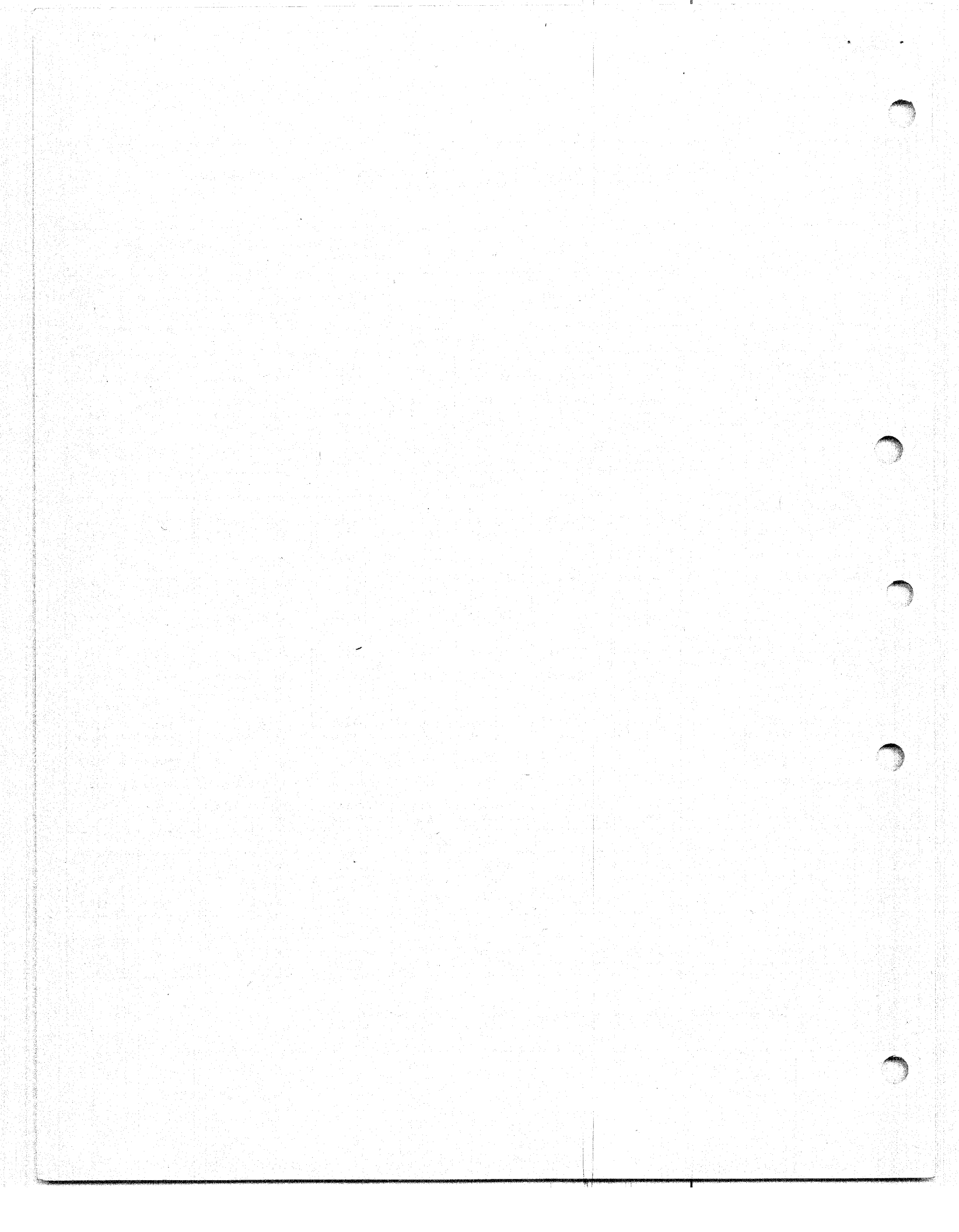


TABLE 3.--NUMBER OF VEHICLES, CLASSIFIED BY TYPES, USING TOLL FACILITIES IN OCTOBER 1946
COMPARED WITH THOSE IN OCTOBER 1945 AND 1941.

Facilities	1946			Percentage change from 1945			Percentage change from 1941		
	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Trucks and busses	Total	Passenger cars	Trucks and busses
<i>EASTERN REGIONS</i>									
3 in the New England States	56,748	51,498	5,250	+19.9	+18.0	+42.1	+ 8.6	+ 5.6	+51.3
17 in the Middle Atlantic States	10,785,805	9,310,901	1,474,904	+23.3	+23.1	+24.9	+18.2	+16.0	+34.4
Fleetwood Viaduct, Westchester County, New York	464,138	464,138	---	+24.2	+24.2	--	+32.7	+32.7	--
Pennsylvania Turnpike	214,862	171,697	43,165	+13.5	+ 8.6	+38.7	- 0.3	- 6.6	+36.4
3 in the South Atlantic States	343,625	267,087	76,538	+ 8.8	+ 4.2	+28.6	+ 0.2	- 2.2	+ 9.6
<i>TOTAL</i> - 25 facilities ¹	11,865,178	10,265,321	1,599,857	+22.7	+22.3	+25.4	+17.6	+15.6	+33.1
<i>TOTAL</i> - 30 facilities	12,969,493	11,255,962	1,713,531	+23.3	+23.2	+24.0			
<i>CENTRAL REGIONS</i>									
2 on the Great Lakes Canadian Border ²	202,730	193,039	9,691	+42.9	+44.1	+22.5	+94.7	+96.3	+66.9
1 in the Great Lakes Region	24,399	21,765	2,634	+52.6	+50.9	+67.3	+31.7	+27.8	+76.2
<i>Subtotal</i> - 3 facilities	227,129	214,804	12,325	+43.9	+44.8	+29.9	+85.2	+89.2	+68.8
7 on the Ohio River in Kentucky	607,514	506,511	101,003	+15.5	+14.4	+21.5	+ 9.1	+ 7.6	+17.0
	11,952	8,858	3,094	+32.1	+311.2	+34.6	+124.1	+122.4	+129.2
<i>Subtotal</i> - 8 facilities	619,466	515,369	104,097	+15.8	+14.7	+21.8	+10.2	+ 8.8	+18.7
7 on the Mississippi and St. Croix Rivers, St. Louis and north	634,065	547,768	86,297	+26.3	+25.7	+30.0	- 5.9	- 5.0	-11.0
3 on the Mississippi River south of St. Louis	112,690	82,443	30,247	+20.5	+17.1	+30.8	+34.9	+41.6	+19.5
<i>Subtotal</i> - 10 facilities	746,755	630,211	116,544	+25.4	+24.5	+30.2	- 1.4	- 0.8	- 4.7
3 on the Missouri River	157,803	128,260	29,543	+10.9	+14.0	- 0.8	+37.1	+43.7	+14.4
2 in the Missouri River area	6,298	5,447	851	+46.1	+48.1	+34.4	+60.4	+58.4	+74.4
<i>Subtotal</i> - 5 facilities	164,101	133,707	30,394	+12.0	+15.1	- 0.1	+37.9	+44.2	+15.5
1 on the Mexican Border	18,318	17,260	1,058	+20.9	+16.9	+174.8	+81.9	+76.0	+302.3
<i>TOTAL</i> - 27 facilities ¹	1,775,769	1,511,351	264,418	+22.5	+22.4	+22.8	+13.0	+13.8	+ 8.4
<i>TOTAL</i> - 33 facilities	2,115,884	1,805,251	310,633	+22.3	+22.8	+19.4			
<i>WESTERN REGIONS</i>									
2 in California	2,640,454	2,375,419	265,035	+ 3.1	+ 1.2	+23.9	+27.2	+25.3	+48.1
4 in the Oregon-Washington area	368,813	320,866	47,947	+14.4	+13.3	+23.1	+75.5	+71.8	+105.5
<i>TOTAL</i> - 6 facilities	3,009,267	2,696,285	312,982	+ 4.3	+ 2.5	+23.8	+31.7	+29.5	+54.7
<i>UNITED STATES</i>									
<i>TOTAL</i> - 58 facilities ¹	16,650,214	14,472,957	2,177,257	+18.9	+18.0	+24.9	+28.7	+18.0	+32.1
<i>TOTAL</i> - 69 facilities	18,094,644	15,757,498	2,337,146	+19.6	+19.0	+23.4			

¹These facilities have comparative data for 1946, 1945 and 1941 and are included in the larger total below.

²One of these facilities is in Western New York and therefore is related to similar facilities in the Central States.



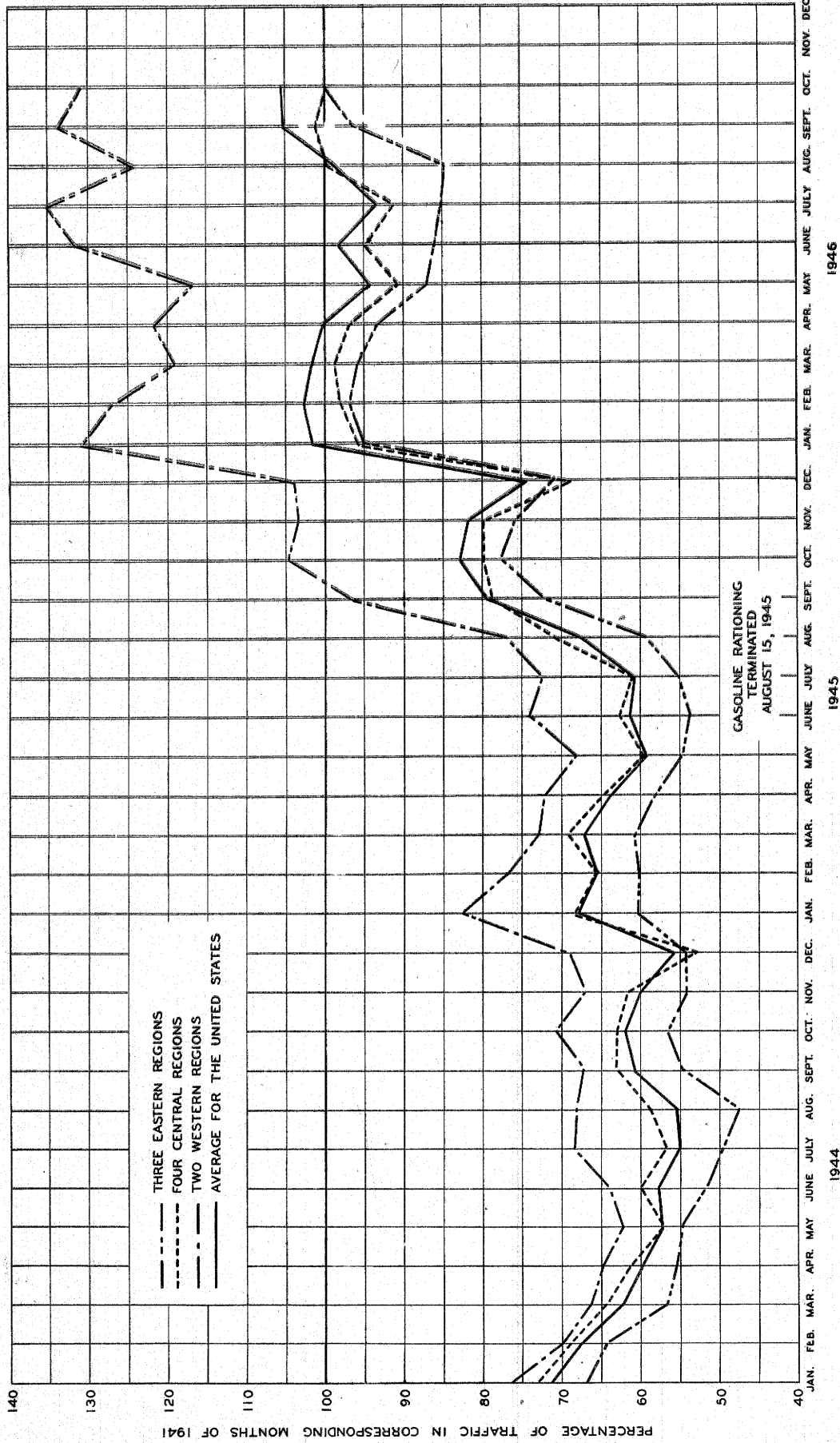
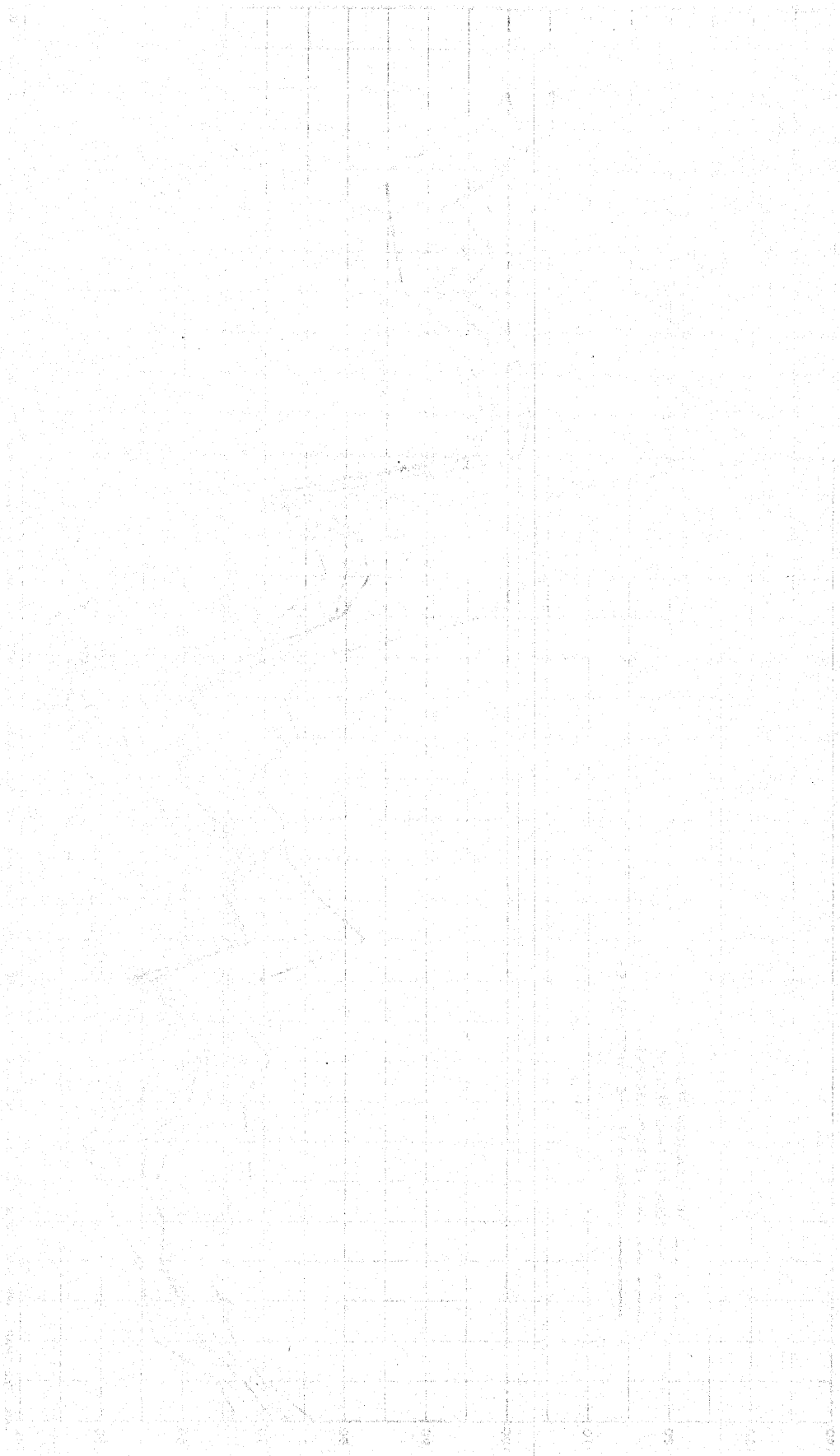


FIGURE 1.- PERCENTAGE RELATIONS OF RURAL TRAFFIC IN MONTHS OF 1944, 1945 AND 1946 WITH THAT IN CORRESPONDING MONTHS OF 1941.



RECORD OF TRADING IN COMMERCE BOARD OF 1951

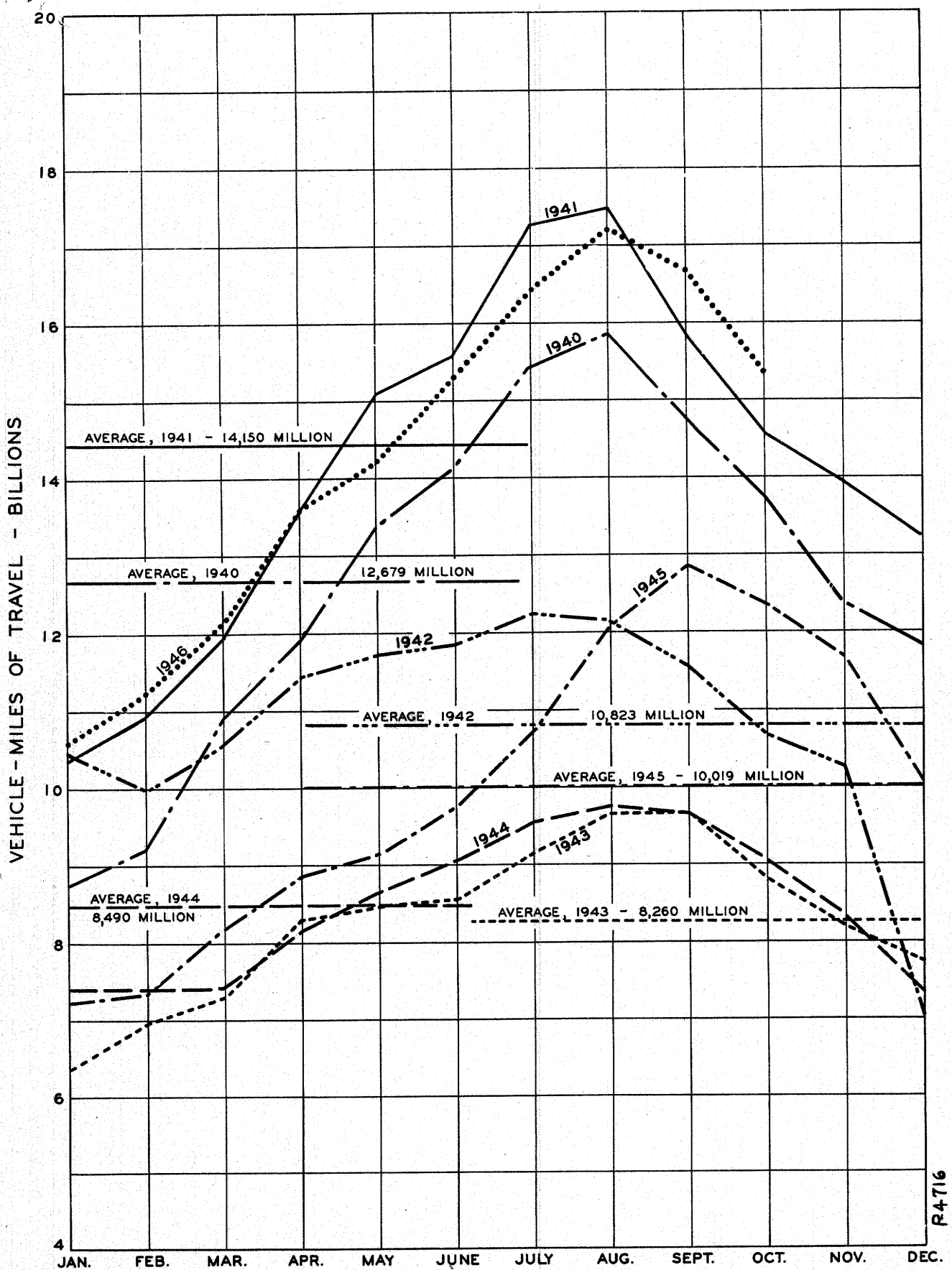


FIGURE 2.- VEHICLE-MILES OF TRAVEL ON ALL RURAL ROADS 1940 TO 1946 BY MONTHS.

