November, 1938

121

4 381 1 1.5321

> 161 2.828

76 1.209 2154

24

89

**C1** 1,076

432 10,992

6 451 1.958

-0 2224 1.21 ,

Increase or

Decrease

Cars Tonnage

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4.884

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1-99.

1.591

## RAIL COMMODITY MOVE By LEON M. LAZAGA

Traffic Manager, Manila Railroad C



The volume of comm Manila during the mon via the Manila Railroa foilows: Rice covones

Sugar, piculs	60,704
Copra, piculs	197,696
Desiccated Coconuts, cases .	39,55 <b>2</b>
Tobacco, bales	552
Lumber, board feet	998,287
Timber, kilos	1,600,000

The freight revenue car loading statistics for four weeks ending October 22, 1938, as compared with the same period of 1937 are given (right):

## COLCHICINE

You can tinker with the chromosomes of a turnip and make it grow into a giant turnip, whose seeds in turn will grow into other giant turnips by perfectly na-tural division of their chromosomes. This is stated as

fact by Dr. Louis Berman in New Creations in Human Beings, a Doubleday Do-ran book quoted in the October Magazine Digest. Now if it is a fact, to the farmer it is the greatest fact ever discovered. We therefore quote in full:

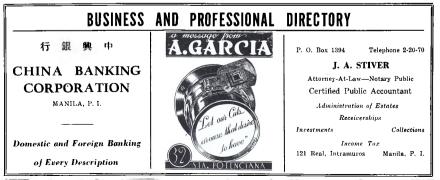
"The action of colchicine, a substance isolated from the bulbs of the autumu crocus, is most interesting. If a solution of it is injected into a plant, or simply sprayed on it with an atomizer, the leaves and flowers thus drugged grow peculiarly, folding and wrinkling because they grow faster than their adjoining parts. The seeds of these plants tend to generate giant specimens which are much bigger

than their ancestral parents and breed true to their giantism (italics ours). When the colchicine is next applied to these giant specimens, an additional acceleration of growth is obtained, producing another and larger variety of increase in size, doubling and redoubling.

"Such plants as alfalfa, clover, onions, radishes, tobacco, nasturtium and foxglove have been so treated and changed. This strange effect of colchicine is due to the doubling of the number of chromosomes in the reproductive cells. It has long been known that when the num-

ber of chromosomes in these cells doubles. as happens in their spontaneous division before maturation, they may occasionally stay doubled, instead of losing one half their number by extrusion. The resulting specimens were usually found to be giants. Colchicine makes it possible to produce these freaks regularly. Moreover, they reproduce themselves regularly. so that they are no longer oddities, but provide a new way of manufacturing breeds of vegetables and flowers, perhaps grains and trees, like nothing man has ever seen. This method is not at present applicable to the human species, and no one would dare apply it, because he would

not know what might be produced in the way of monstrosity or anomaly in consequence." (Dr. Berman's last sentence in this paragraph has no connection with his subject here, plants, and connects only with the title to his book. Our readers should omit it).





EMENTS		the second s	-	1000	1.041.004	1.64		
EMEN 13	COMMODITIES	FREIGHT CAR					Inc	
c		1938	1997	1928	1547		Car	
Company	Rice		559	11,521	6,637		12	
	Palay	1038 1937 1018 1932 Con-   640 5.51 11.221 6.63 15.21 6.73 12   640 1.20 1.98 1.221 6.83 1.21 6.33 12   640 1.20 1.98 1.221 6.13 14 14 14 14 16 14 12 13 13 13 13 13 13 13 13 13 13 14 16 <t< td=""></t<>						
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th of October 193	8, Coconuts	MMODITIES FURMUER OF PERCHT 1015 PERCHT 1015 Intermediate   1938 1947 1018						
ad Company are a		_	7	_	215	Inc D Car 37 12 52 ( 8 51 ( 3 57 16 51 ( 3 51 16 51) ( 3 51 16 51 ( 3 51 16) (10) (10) (10) (10) (10) (10) (10) (10		
at company are a	Hemp			_				
	Tobacco	12	24	76	222	(	1	
	Livestock	36	12	272	50		- 2	
160,600	Mineral Products	385	303	3,433	3,562		8	
	Lumber and Timber	197	129	4,529	2.938		6	
60,704	Other Forest Products	_					-	
197,696	Manufactures	285	224	3.984	2,908		6	
cases . 39,552	L.C.L	2,663	2,708	19,626	17.668	(	- 4	
,	TOTAL	5.440	5,008	56,771	45,779		43	
	the state committee.	- MARINE -			or	-	۰	

## SUMMARY

Week	ending	Oct.	1.1	1,336	1,263	113,560 1	11,656	73	1,904
			8.1	1.324	1,207	13,961	10,653	117	2,408
••	••		15, .	1.397	1,181	. 15,627	10,487	216	5,140
			22,	1.383	1.357	14.523	12,983	26	1,540
	TOTA	L		5,440	5,008	56,771	45,779	432	10,992
,	LOWD 1								

NOTE-Figures in parenthesis indicate decrea