

(Continued from previous page)

No doubt the doodling type of puzzler will dispense with S.G.E.'s methodical recommendations, but we thank him on behalf of all those precise mathematicians who like things done by rule. S.G.E. has certainly paid his fee.

## CORRESPONDENCE

R.G. (Waihi): Welcomed W. Robinson's statement of the working for Time for the Guard, "which shows me my error, so I humbly make my bow to him." R.G. will see that other correspondents have other ideas. He sends an exercise in word building used as a problem this week.

R. Martin (Glen Afton): Comments concerning Time for the Guard that the van may not have passed the clock while it was striking. In which case it would have travelled 440 feet in 28 4/5 seconds, and if this were so the train would be 1,356 2/3 feet long as X.G.T. said. "Humblest apologies to W. Robinson for saying he was wrong." R.M. correctly answers Farm Labour and adds that if some of the men wanted a spell 12 could work in each corner section, giving a minimum of 48 possible under the conditions. We are afraid, however, that the farmer would notice the four empty sections. And R.M. seems to have under-estimated the versatility of our hostess. Other answers correct, and readers who have not seen it in The Page before may like to work out R.M.'s query about how much a brick and a-half would weigh if a brick weighed a pound and half a brick.

J.C.C. (Timaru): Points out, with reason, that the sentence "I saw rats live on" is not strictly a palindrome, but he should remember that we also printed its reverse, so that he would get a palindromic group of words if he read the reverse in reverse and reversed the original. However, we're wriggling, and admit it. J.C.C. offers these true palindromes: MADAM I'M ADAM. SNUG RAW WAS I ERE I SAW WAR GUNS.

Thanks, J.C.C., for sending the puzzle, but we've had it before.

S.G.E. (Glenavy): Is corresponding at length with H. G. Lambert of Taupo, and seems to be enjoying himself no end. As fee for our "introduction bureau," as he calls it, S.G.E. sends a problem about scissors and a note on unicursal problems. Readers who want to know what that means will have to read the note, printed with the answer to "Keep it Down." Thank you, S.G.E.

AIAS (Dunedin): When you mention ladders the trepidation is all on our side. But we can take it, so welcome to you and thanks for the puzzles. As they seem to be most suited to the specialists we give them here: "The chord of a circle is one half mile long and the arc is one foot longer. Find the mid-ordinate." And another one like Pat and the Pig: "A fox starts running due east with a constant velocity. A hundred yards north, a dog starts running at a constant speed, changing direction constantly so that he always runs directly towards

the fox. Just as the fox finishes running his three hundredth yard the dog catches him. How far does the dog run?

J.S. (Putaruru): That was certainly a technical point. See below.

Lillian (Hawera): J.S., of Putaruru, would like to write to you. Uncle Peter will send the address if you feel chummy.

Rob (Ahipara): R.C.J.M., who set the problem, disagrees about Battle and After. His answer was 472. You were correct for Men Go Shopping but "level" seems to be the cause of some disagreement. Thanks for the encouraging note.

X.G.T. (Kopuawhara): Top of the class for a model paper. By the way, what does "X.G.T." stand for?

E.A.C. (Wellington): Equal for answers with X.G.T. and ten extra marks for sending a problem.

H.G.L. (Taupo): Has found time between writing letters to S.G.E. to sum up the Time for the Guard problem. Actually, he had done this before, in the days of the Ass-PP, but the letter is buried among the archives and our staff of archaeologists has not yet unearthed it. Mr. Lambert says that there are two possible answers to Time for the Guard. One of them is 440 feet. The second arises from presuming that when the guard heard the last stroke he still had not yet reached the bridge. This gives a very slow speed for the train, and quite a long length, but within the bounds of possibility.

A.G.T. (Picton): Puts pen to paper to back up W. Robinson's answer to Time for the Guard. He says 440 feet, too, and adds a note of appreciation for the fun he gets out of playing with the miscellaneous puzzles which readers send in. Puzzlers please mark A.G.T. as one of the brethren, although he has not yet paid his fee. One puzzle from Picton please.



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## THE LISTENER CROSSWORD

Answer to (No. 27)

S	T	A	T	I	O	N	M	A	S	T	E	R
C	B	R	U							H	E	
A	L	A	C	R	I	T	Y		R	I	F	F
R	C	E		M	E	E	N				R	
L	A	K	E	S		E	F	F	E	N	D	I
E			O	G	F	E					G	
T	O	U	S	L	E		B	A	R	R	I	E
R	N	U		E		C					R	
U	N	E	A	T	E	N		E	R	I	C	A
N	A	E		A		M		D		T		
N	O	R	M		I	M	P	E	T	I	G	O
E	T			E		N		O			R	
R	E	H	A	B	I	L	I	T	A	T	E	S

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