

Our Guinea Prize.

We have pleasure in announcing that our Guinea Prize for November has been won by Miss Margaret Storey, Matron, Victoria Hospital, Keighley.

KEY TO PRIZE PUZZLES.

- No. 1. Wallis Outfits.
Wall is out fits.
- No. 2. Horrockses' Flannelette.
H oe'r rocks E S Flanne let.
- No. 3. Edinburgh Life Assurance Co.
Head—H in burgh life ass URANCE C O.
- No. 4. Garrad's Compericum.
Jar RAD S COME PERI COME!

The following competitors have solved the puzzles correctly:—

Miss H. Bacon	...Houghton-le-Spring.
Miss G. Menzies	...Glasgow.
Miss E. F. Ewbank	...Langford.
Miss M. Parry	...Elgin Avenue, W.
Miss M. A. Watkins	...Newcastle-on-Tyne.
Miss C. A. Hill	...Sutton Bonnington.
Miss M. McWilliams	...Omagh.
Miss M. Sutton	...North Elmham.
Miss E. Dinnie	...West Malling.
Miss G. Moss	...North Berwick.
Miss A. Dredge	...Paddington, W.
Miss Walker	...Southport.
Miss G. Mercer	...Brighton.
Miss M. Collins	...Paddington, W.
Miss L. Plummer	...Burton-on-Trent.
Miss Wood	...Ballinhassig.
Miss S. Moore	...Belfast.
Miss M. Deverill	...North Elmham.
Miss Thomas	...Leyton.
Miss B. May	...Leeds.
Miss A. T. Massey	...Limerick.
Miss H. Dockrill	...W. Kensington Park.
Miss Taylor	...Southampton.
Miss A. Mackenzie	...Inverness.
Miss E. Mann	...Bournemouth.
Miss E. M. Dickson	...Rosherville.
Miss M. J. Lewis	...Beckenham.
Miss F. Lawson	...Edinburgh.
Miss A. F. Muller	...Boxmoor.
Miss C. Lane	...Bradford.
Miss K. Eckersley	...Middlesborough.
Miss N. F. Brash	...Walsall.
Miss A. Jones	...London, W.
Miss E. Fountain	...Stepney Causeway, E.
Miss Jackson-Bennett	...Edinburgh.
Miss M. Stringer	...Hampstead.
Miss E. Gregory	...Leeds.
Miss A. R. Hunter	...Morpeth.
Miss Rouse	...Feversham.
Miss S. S. Merring	...Liverpool.
Miss A. Jones	...Dolgelly.
Miss M. Whitworth	...Maidstone
Miss C. Rose	...Banff.
Miss M. H. Sherlock	...Leicester.
Miss H. Dibben	...Lynton.
Miss C. A. Logan	...Dublin.
Miss M. Elston	...London, W.
Miss I. Sherlock	...Wandsworth.

Miss P. Vincent	...Cork.
Mrs. Hosie	...London, S.W.
Mrs. Shoemith	...Durham.
Mrs. Allen	...Doncaster.
Nurse Eliza	...Middlesborough.
Leo	...Tunbridge Wells.

The following competitors guessed three out of four puzzles:—Mrs. Sheard, Miss F. Sheppard, Miss A. M. Beedie, Miss Chamberlayne, Miss S. J. Brown, Mrs. Hopkins, Miss S. Broughton.

The new set of Puzzles will be found on page viii. The rules remain the same.

The Salt Water Mosquito.

Dr. Doty, Health Officer of the Port, has just begun on Staten Island an interesting and highly practical work. For many years the idea has prevailed that mosquitoes of all kinds breed in standing water only. Dr. John B. Smith, State Entomologist of New Jersey, was the first to disprove this. While working independently, Dr. Doty arrived at the same conclusion as Dr. Smith.

About 80 per cent. of the Staten Island mosquitoes he found to be of the striped leg type, known by scientists as *Culex sollicitans*. These mosquitoes are found well inland, yet cultures from the eggs, or larvæ, upon fresh water pools, rain barrels, pans, &c., failed to reveal a single one of this variety. The old method of sprinkling petroleum over this water was thus shown to be useless, so far as destroying the most numerous type is concerned.

The question arose: Where do the striped leg mosquitoes breed? Dr. Doty found that they lay their eggs in the mud, under the water of a salt water marsh, and that the warm tides cause these to hatch out in a few hours and then grow into winged insects. The larvæ are shaped like tiny cigars and are enclosed in a shell, through one end of which they break out.

Now that the embryo is out of its shell, the water left from the tide develops it into the winged mosquito. To spread petroleum on this boggy land, covered with stagnant water and a thick growth of cattails, was a practical impossibility. Besides, the petroleum would be only a temporary makeshift. Dr. Doty is now at a new method.

From the sea at Midland Beach to a point back of South Beach runs a strip of swamp, one and a half miles long by a half mile in average width. This swamp is flooded at high tide, is uninhabited, unsanitary, and worse than useless, for it is the home of this variety of the famous Staten Island mosquito. Back of this swamp is a row of hills, with a few inhabited houses and many vacant ones. The mosquito is blamed for the vacant ones.

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