

No. 12.—MANGANESE NODULES FOUND AT
ONYBYGAMBAH.

By W. M. DOHERTY, F.C.S.

(*Read Monday, January 10, 1898.*)

DURING a journey through dense scrubland in the neighbourhood of Onybygambah, on the Tweed River, my attention was frequently attracted by numerous dark-coloured nodules, or pellets, scattered about in some places in all directions. Some of these pellets were dark and glossy, and looked like seeds, others were of a dull-black colour, with no specially-marked characteristics. My first impression was that some of them were seeds, until closer observation proved them to be of earthy origin. They varied in size from about that of a pea to about that of a Barcelona nut. A small proportion were almost perfectly spherical, the majority, while tending towards the spherical, being irregular in shape. They were all soft enough to be easily divided with the teeth. Separate analysis of three of them showed the following composition:—

	Per cent.	Per cent.	Per cent.
	(1)	(2)	(3)
Gangue	49·60	50·20	32·10
Fe ₂ O ₃ and Al ₂ O ₃	11·20	8·70	14·00
MnO ₂	24·70	25·00	40·60
Mg CO ₃	2·00	2·60	3·10
Organic matter	12·00	12·80	10·00

The occurrence of manganese, in the form now described, spread over a wide area is new to my experience, and is here merely recorded.

No. 13.—NOTES ON THE CONSTITUTION OF GLUTEN.

By F. B. GUTHRIE, F.C.S.

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No. 14.—NOTES ON SOME SIMPLE LABORATORY
CONTRIVANCES.

By A. N. PEARSON.

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