Nematodes were found to be plentiful in localities rich in detritus, such as the fine shingle among the rocks and boulders in the Laminaria zone and among the small filamentous seaweeds in the rock-pools. But they were almost equally abundant (though some of the genera were different) in shore-sand, in which there was scarcely any detritus.

Nematodes were not observed to be plentiful in actively decaying animal and vegetable matter. Two were seen feeding within the almost completely emptied skin of a decaying Tubificid worm. There were, however, quantities of small flagellates present, and it may have been these, and not the worm, that the nematodes were devouring.

Nematodes occurred in quantity in situations where diatoms were plentiful, as among small red and green seaweeds growing in the rock-pools and attached to boulders just exposed at low tide. Several individuals, which appeared to belong to the genus Oncholaimus, were seen to contain diatoms, all of the same genus Fragilaria, both in the œsophagus, down which they were passing, and in the intestine, where they were congregated. The diatoms found inside the nematodes were all of the elongated, pennate type, that is, of such a shape as would allow them to pass readily down the œsophagus. These diatom-consuming nematodes were found among tufts of Corallina officinalis in the rock-pools and in bunches of small filamentous seaweeds, such as Polysiphonia, which were growing epiphytically on Fucus vesiculosus and Ascophyllum nodosum. The same genus, and apparently the same species, of nematode, however, was plentiful in shore-sand where diatoms were found to be relatively scarce. Bastian in his monograph records the similar occurrence of diatoms in nematodes. He says (p. 84) :--" In individuals of the genera Cyatholaimus and Spilophora I have frequently seen the intestine filled with large Diatomaceæ, whilst in species of other genera I have occasionally made out a few cells of algæ.'

In Leuckart's Festschrift, 1892, Dr. de Man de-scribed a new species of nematode forming wart-like galls on the "stems" of Ascophyllum nodosum, the knotted wrack. It is closely related to the notorious *Tylenchus devastatrix*, and was named by him *T. fucicola*. This was the first discovery of galls formed by a parasitic nematode on seaweeds. The galls themselves were described by Miss E. S. Barton in the Phycological Memoirs of the British Museum, part i., 1892. The material on which they were found was collected at Stonehaven, Kincardineshire, on the east coast of Scotland, and at Seamil, W. Kilbride, Ayrshire, on the west. I kept a careful look-out for these galls at Port Erin, but, being unfamiliar with their appearance, was only fortunate enough to find one, though probably they are really plentiful. The galls and the nematodes present inside them corresponded to the descriptions given by Miss Barton and Dr. de Man, and are without doubt the same.

No relation was discovered between the position or vertical movements of nematodes in the shore-sand and the presence or absence of daylight, though it is possible that some sort of relation exists.

GILBERT E. JOHNSON.

Zoological Department, Birmingham University, May 20.

Lobsters in the Ægean.

IN NATURE of March 7 (p. 9) "W. T. C." quotes from Prof. Herrick the statement that the common lobster is not found in the Mediterranean east of the Adriatic; and, if perhaps this statement be not made so categorically elsewhere, I can at least find no mention of the lobster's occurrence in the Ægean in

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the works of Forbes, Heller, Carus, or other authori-tative writers. The point is interesting, as the writer points out, because the lobster was well known to Aristotle; and so I have sought further information from my friend Prof. N. Apostolides, of Athens. Prof. Apostolides tells me that the lobster does occur in the Ægean, but comparatively rarely. On the islands of Syros and Sciathos there is a great fishery of *Palinurus vulgaris*, the crawfish or "Langouste," in modern Greek agrakos, and with it the market of Athens is abundantly supplied. Together with it, but only in the proportion of one in a thousand, the common lobster, Homarus vulgaris, modern Greek καραβίδα, also occurs; in the Sea of Marmora, however, the latter species is more abundant.

It would be highly interesting to know something more about the distribution of the two species in other parts of the Ægean, and to verify further, for instance, Aristotle's statement (H.A., V., 17, 459 b) that lobsters are found in the Hellespont and on the coast of Thasos, and crawfish in the neigh-bourhood of Sigeum and Mount Athos. It would be especially interesting to know something of their relative abundance at Mitylene, where (as I believe) Aristotle did much or most of his zoological work; but this is only one of the multitude of points interesting to the student of Aristotle that might be cleared up by exploration of that particular neighbourhood. It will be seen that the names of the two species

in modern Greek do not agree with Aristotle; for it is abundantly clear that (e.g. in H.A., IV., 2, 526 a, 12) Aristotle describes the common lobster under the name of $d\sigma \tau a \kappa \delta s$, and that his $\kappa d\rho a \beta \delta s$ is Palinurus locusta. In this identification of the Aristotelian names the chief commentators, Cuvier, Schneider, Young, Aubert and Wimmer, are all at one: and so there would seem to have been an exchange of the two names, one with another, for which transference we cannot at present account.

D'ARCY W. THOMPSON. May 21.

Birds' Nests.

BEING occupied at present in an endeavour to ascertain the method of transmission of the trypanosomes and other blood parasites occurring in common British birds, such as the chaffinch, I very much desire to obtain nests, with the view of searching them for fleas; the nests which I want especially are those of the house-sparrow and the chaffinch, in both of which that I require. May I ask any of your readers who may be interested in the subject if they can procure for me nests of either of the above-mentioned birds? I shall be greatly obliged if any nests will be sent to me at the Lister Institute of Preventive Medicine, Chelsea Gardens, London, S.W. Nests should be well and closely wrapped up in paper, as soon as possible after being obtained, in order to prevent the possible escape of any fleas which may be present. Of course, any out-of-pocket expenses, &c., will be gladly refunded. H. M. WOODCOCK. gladly refunded.

The Lister Institute, May 27.

June Meteor-showers.

THE following meteor-showers become due during the month of June :-

Epoch June 4, 10h. 30m. (G.M.T.), approximately twenty-fourth order of magnitude. Principal maximum, June 4, 9h. 10m.; secondary maxima, June 3, 7h. 5m. and 14h. 10m.

Epoch June 7, 6h. 30m., approximately eighth order of magnitude. Principal maximum, June 6, 7h. 30m.; secondary maximum, June 7, oh. 30m. Epoch June 10, 18h. 30m., approximately fourteenth