

	LOCALITY.	NO. OF EGGS.
46. <i>Eudyptes chrysolophus</i> , Brandt,	Falklands,	2
" " "	Kerguelon,	4
47. <i>Eudyptes chrysocome</i> , Forst.,	Falklands,	2
" " "	Inaccessible Island,	6
48. <i>Pygosceles tenuatus</i> , Peale,	Falklands,	7
49. <i>Spheniscus magellanicus</i> , Forst.,	"	2

## I. CRYPTURI.

50. <i>Calodromas elegans</i> , D'Orb et Geoffr.,	Falklands,	2
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The eggs of the Falkland Islands were nearly all presented to the Expedition by Mr Deans, of Stanley, Falkland Islands

II.—NOTE ON THE GIZZARD AND OTHER ORGANS OF *CARPOPHAGA LATRANS*.

By A. H. GARROD, M.A., F.R.S., PROSECTOR TO THE ZOOLOGICAL SOCIETY OF LONDON.

(Reprinted from the Proceedings of the Zoological Society for 1878.)

In the collection of birds preserved in spirit by H.M.S. Challenger is the body, after the skin had been removed, of a single specimen of *Carpophaga latrans*, together with the gizzard of a second individual of the same species, obtained at Kandavu, Fiji. These form the material for the present communication.

In his note-book Mr John Murray makes the following remarks on the species:<sup>1</sup>—"Stomach contained the fruit of some tree unknown to me. The coat of the stomach had hard papilla-like ossifications of a circular form, two or three rows. . . . These indurations are composed of a horny substance,"—from which it is seen that Mr Murray was the first to recognise the existence of the strange arrangement to be here described.

The thin-walled and capacious crop contained only one thing in its interior—a complete fruit, which has been identified for me by Mr W. T. Thiselton Dyer, as that of *Oncocarpus vitiensis*. In the gizzard was also found a portion of a second example of the same fruit.

*Oncocarpus vitiensis* is a tree belonging to the natural order Auacardiaceæ, which, according to Dr Seemann,<sup>2</sup> is "about 60 feet high, bearing large oblong leaves and a very curious corky fruit, somewhat resembling the seed of a walnut." The tree is included among those which are poisonous by the Fijians; and its sap produces an intense itching of the skin when brought into contact with it, whence the native name Kau Karo, or itch-wood.

For the crushing of this very hard fruit a special anatomical modification of the gizzard-walls of this Fruit-pigeon is developed, which is peculiarly interesting and tends to prove the plasticity of organs when aberrant forces come into play.

The gizzard is not developed to anything like the extent that it is in the Gallinæ or Anseres,

<sup>1</sup> Vide Proc. Zool. Soc., 1877, p. 737.

<sup>2</sup> Seemann's Mission to Viti, p. 334.