"duced into its great circulatory torrent. At first "we suspected that some accident had caused the "death of the animal, such as air getting into its "vein, or some clot, but the operation was exe"cuted with the utmost care, and the death in "those cases should have been sudden and "unaccompanied with the course of symptoms "just mentioned.

"On making the autopsy, we found visceral congestions analogous to those that we had seen in the corpses of yellow fever patients, and we found in the blood the same cryptococci as existed in the corpse that served for the inocuflation.

"If the death had been due to the quick action "of its cryptococci, and not to an accident, the "blood of the rabbit should, when itself inocu-"lated in another animal, cause the death of the "latter. To put this beyond doubt, we took a "gramme of the dead rabbit's blood and injected "it hypodermatically into a guinea-pig. Well, the "latter died at the end of some hours (in the "night of the 14th), and we found an extraor-"dinary quantity of cryptococci in its blood, and "saw also the anatomo-pathologic lesions which "usually characterise cases of yellow fever in man. "The death of the second animal was evidently "due to contagion, and showed that the rabbit "whose blood was inoculated, contained in itself "its transmittory virus, and succumbed to the "influence of its virus.

"Not content with this, we injected a gramme of the guinea-pig's blood under the skin of antither guinea-pig, and in the space of some hours, this one appeared feverish, oppressed with cold, ears and paws trembling, and rejecting (?) blackish dejections. A drop of this animal's blood showed an infinity of cryptococci, and within a little time it also died.

"By these experiments we have proved, there"fore, contagion and transmission of the disease
"four successive times. The sick man received
"it from the medium in which he lived, from him
"we passed it to the rabbit, and from it to the
"guinea-pig, which, in turn, transmitted it to an"other guinea-pig. In all the four cases the blood
"showed swarms of cryptococci.

"In this manner we are able to produce "epizootics in the animals in our laboratory, by in-"oculating many at once with microbiated blood. "These facts, therefore, prove beyond doubt that "yellow fever is propagated by contagion from "individual to individual; that it is primitively a. "contagious disease, but may become infectious." as soon as sufficiently many fœcuses accumulate. "They also prove that the disease does not reside "exclusively or especially in any one organ, it "resides in the blood, and, therefore, in all the "organs the blood traverses."

The writer again wishes to state, that he hasmade no alteration in the translation in the subject matter of this article. It appeared in the Official Gazette of July the 26th, 1883, of the Jamaica Government.

Dr. Domingo Freire considers that he and his assistants, by the repeated experiments have fully established the parasitic nature of the disease, and that the cryptococci found in all cases of yellow fever, are those already dwelt on at length in my June letter to the Record, and named by Dr. Freire the Cryptococci Zanthogeyicus.

Dr. Freire also refers to the discovery by him. of an alkaloid-jot in the black vomit of malignant: This extractive matter he has isolated. He states that it exists as a salt. He claims to have reasons for believing that the alkaloid is a direct product of the excretion or secretion of the cryptococci, which he further adds does not prevent both the alkaloid and the parasites from being: factors of the diseased state. As obtained by him, the alkaloid is a liquid of aromatic odor, oily, acrid; combined with water it forms an opalescent. emulsion, soluble in alcohol and ether. litmus a deep blue, and he further adds, "it must. contain a good proportion of nitrogen, as it gives. out abundant ammoniacal vapors when heated in. contact with potash."

As a result of further experiments by cultivating cryptococci in gelatine in a Pasteur's tube, he says that the color of black vomit is not due to altered blood, but to the parasites, that he terms *Cryptococci Zanthogenicus*, and thus he produced an artificial black vomit. A culture of the earth cryptococci, that referred to in my June translation last, on this theme, from the grave of a man who had died a year previously of yellow fever, also produced artificial black vomit.

He conducted further experiments with earth from the same grave. A guinea-pig was taken: the animal was perfectly healthy, and a careful microscopic examination of its blood showed it to be normal. The pig was shut up in a small place, with a quantity of this earth. It died after five days, and its blood was literally filled with crypto-