loss, the humidity of the furrounding matter preferving that of the animal, who wanted only the complinent parts not to be dried up, to preserve it trom destruction.

. But toads are not the only animals which have the privilege of living for a confiderable period, without nourithment and communication with the external air. The inflances of the oysters and dastyles mentioned in the beginning of this article, may be advanced in proof of it. But there

are other examples.

Two living worms were found in Spain, in the middle of a block of marble, which a sculptor was carving into a lion of the natural colour, for the royal ramily. Thefe worms occupied two small cavities, to which there was no inlet that could poffibly admit the air. They subfifled probably on the substance of the marble, as they were of the fame colour. This fact is verified by Capt. Ulloa, a samous Spaniard, who accompanied the French Academicians in their voyage to Peru, to afcertain the figure of the earth. He afferts -- that he faw thefe two worms.

A beetle, of the species called capricorn, was found in a piece of wood in the hold of a thip at Plymouth. The wood had no external mark of any aperture.

We read in the Affiches de Province, 17 June 1771, that an adder was found alive in the center of a block of marble, thirty feet in diameter. It was folded nine times round in a spiral line: it was incapable of supporting the air, and died a few minutes after. Upon examining the stone, not the fmallest'trace was to be found by which it could have glided in, or received air.

Mission, in his travels through Italy, mentions a craw-fish that was found alive in the middle of a marble, in the environs

of Trivoli.

M. Peyffonel, a king's physician at Guadaloupe, having ordered a pit to be dug in the back part' of his house, live frogs were found by the workmen, in beds of M. Peyffonel, fufpetting petrifaction. some deceit, descended into the pit, dug the bed of rock and petrifactions, and drew out himfelf, green trogs, which were alive, and perfectly fimilar to what we fee egery day.

THOUGHTS on the SUBJECT of SHIPS FOUNDERING at SEA, with Directions how to prevent that fatal Difaster in many Cases.

N reading Dr. Franklin's letters, I found he had treated very ingeniously on this subject: but I think he did not give as full directions, as, perhaps, he would have done, had he been particularly treating on that Subject alone; therefore, I have thought it not amils to add some thoughts of my own to those of Dr. Franklin, and offer them to the public. Let us first confider the principle, on which the thip floats on the water, which is fimply this, that air is lighter than water. Thus if you fill any veffel, fuch as a cafk, full of air, and make it tight, it will float on the top of the water, and carry with it a weight'exactly equal to the difference of the weight of air in the cask, and the same cask full of water, deducting for the weight of the cask itself. Thus a ship will carry just as much weight as the difference between the weight of the air contained in faid thip below the ferface of the water, and the weight of so much water, deducting the weight of the ship and ballast. A captain who perceives his thip at fea spring a leak, in a desperate manner, so as to gain fast on. his pumps, should, in the first place, start all his casks full of any liquid, that he can get at in the lower tiers, and as fast as

they empty, or the water increases so that they will empty no more, stop them tight again, and throw overboard only such things as will of themselves fink, carefully recaining every thing that will float on the water, for they may at last fave the fhip. If the case fill feem desperate, empty every cask that can be made tight, and put them in the hold, and contrive to force them under water, and keep them there by props from the deck; this will flill loffen the preffure, and the water will come in flower, as it rifes higher in the hold, and covers more of the empty cafks. Every wooden thing that can any way be (pared, must be put in the hold, and forced under water, by props, not by weights, for this would destroy the effect. Even in case of great extremity, but down the mails, and cut them very small, with every thing above, and force them into the hold, cabin, and fouttles, or any where, so that they can be kept under water. The falt provisions, water, &c. that will be necessary to be kept for uto, should be first of all brought upon deck, and slaft of all be put into the hold or any where elfe, to that they will be immerfed in the water, and can be got at for use. I am et the opini-.