

Mr. Gifford will shortly publish his continuation of the history of France from the end of the reign of Louis XV. to the peace of 1802.

An annual Register of Literature to be continued yearly is to be published early in 1803, at Longman and Rees:

André Michaux has lately published in Paris the Natural History of the Oaks of North America. It contains figures and descriptions of twenty species, and a number of varieties. Citizen Michaux traversed America for 11 years together, from the 27th to the 38th degree of lat. from the Bahama Islands and the Capes of Florida to Hudson's Bay, comprising a space of 750 leagues, and penetrated into the country more than 460 leagues. The French government having nominated him to perform a part in the expedition of Citizen Boudin, he has left to his son the care of publishing his manuscripts, among which is a relation of his Travels and a History of the plants of America.

*Vaccine.*—In a report of a Committee of the *Small pox inoculation Hospital Pancraft* of which his Royal Highness the Duke of York is President, and to which the Vaccine Inoculation has been added, it is stated that the Vaccine was introduced into that Hospital in January 1799, that to the 1st December 1802, 11,800 patients had been vaccinated, 2500 of which number had been afterwards inoculated with the small pox without effect; and that the Committee was not acquainted with an instance of any one of the whole number having afterwards taken the small pox, although they were generally poor persons and dispersed in the most unwholesome-quarters of the City where the ravages of the natural small pox are the most frequent. Out of 373 patients admitted into the inoculation Hospital in 1802

only 49 were inoculated with the small pox, and of 4005 out patients, only 39 were inoculated of that disease, whereas 4290 had been vaccinated in 11 months, during that time 159 patients with the natural small pox had been admitted into the Hospital.

Doctor Coxé of Philadelphia has lately discovered that the virus of the vaccine may be communicated from the scab of the Cow Pock; and he has communicated the disease from a scab seven weeks old, of which no cure had been taken farther than its being loosely wrapped in paper.

*Chalumeau Hydrostatique.*—Mr. Hure de Philadelphie a trouvé une nouvelle méthode de suppléer le chalumeau soit avec l'air commun, le gaz hydrogène, avec l'air atmosphérique, ou le gaz hydrogène avec le gaz oxygène. Cette invention consiste à faire mouvoir l'air, dans le chalumeau, par la pression d'une colonne d'eau, au lieu de se servir de la bouche ou du pied. Mr. Hure a donné, à ce nouvel appareil, le nom de chalumeau hydrostatique. Les substances les plus réfractives, telles que la magnésie et la terre calcaire, se dissolvent et se fondent avec facilité en les exposant à la combustion des gaz hydrogène et oxygène; on porte de même, à l'état de fusion, la baryte, l'alumine; la silice, la platine, l'or &c.

*Nouveau Métal Américain.*—On a publié dans plusieurs papiers Britanniques que Mr. Hatchel avoit decouvert un nouveau métal dans un minéral dernièrement apporté de l'Amérique Septentrionale. Il lui a donné le nom de *Columbium* significatif du pays d'où il a été tiré. On ne fait pas encore le nom de l'endroit d'où il vient.

*Decouverte de la vaccine parmi les vaches dans les Etats Unis de l'Amérique.*—Nous apprenons, qu'à la sugges-