in the capillaries of the lungs, is due to the action of the oxygen contact ed in the respired air. But future researches must accurately determined the details of this process. The redness of the blood is chiefly, if note clusively, dependent on its corpuscles. We may therefore conclude the more visible of its respiratory changes occur in these structures. I the facts rather indicate, that the gases concerned in respiration, m use of the liquor sanguinis as the immediate channel of their entry egress. For it is probable that a part of the carbonic acid, nitrogen & exygen is dissolved in the plasma of the blood." The writer should: have risked his reputation by such meaningless sentences as these, however easily they are penned, they tend to lower the high opinion! might otherwise be formed of his powers of analysis and diction, and the present instance he has almost deprived himself of sympathy fr the total disregard which he has manifested for the researches and flections of Mulder, Henle, Scherer, Nasse and Schultz, with which t student is expected to be familiar, but for which he may search in v in a book written for the edification of "advanced pupils," and the "el cated public."

As a distinct chapter on Evaporation is a novelty in Physiologic works, we present our readers with a synopsis of it. It takes in cut cous and pulmonary evaporation, the union of which forms the tr evaporation or transpiration. The amount has been determined in: mals by a cudiometric analysis of the gaseous mixture breathed a given time. Two methods of experimenting are described at lens and plates of the apparatus introduced. Objections are put to k methods founded upon the probable risk of death from keeping ana mal sufficiently long, within, for the necessary observation—the adult tion of the air by flatus and the offluvia of faces and urine passed due the experiment, and upon the difference of respiration in animals of fined and in those at liberty. No plan is offered for remedy, furt than making man, particularly the practised inquirer, the subject of periment. Trials by the author himself gave an average of 2 lbs. 74 to 2 lbs 83 oz. of water, given off by the pulmonary and cutaneous? poration of his body, which weighed from 119 lbs. 21 oz, to 114 lbs. oz.: this estimate includes the carbon of the cutaneous exhalation w the intestinal gases, the sebaceous secretion of the skin and the car fluids of the mouth. Most comes from the skin, not wholly from: glands, but chiefly, the moister strata of the cuticle, the highly most ed corium and its blood. The simplest view of late researches on: interchange of the gases in different animals, is obtained by bring together the quantities per hour in proportion to a pound of corpsweight, and by contrasting the weight of oxygen absorbed with that carbonic acid given off, as regards the human subject, Scharlings