it increased labor of the heart, which, we have seen the other hand, "continued increase of the prois already enfeebled by the fever, by increasing duction of heat, or increased tissue metamorphosis, labor, and by increased resistance in the consolidated lung-tissue.

That during a cold bath, therefore, a fatal collapse may ensue in pneumonia is a clinical fact of great practical importance-one that is to a certain extent exceptional; and hence the prominence I have given to the subject in this connection. Under no circumstances should cold baths he resorted to in pneumonia, in cases of aged people, very fat people, debilitated people, and finally those suffering from heart-disease. And, if none of these considerations forbid its use, the heartaction should always be supported by stimulants Of these I will mention of the last century. at the time of the bath. alcohol as most rapid in its action ; quinine, as the most permanent. If there is any doubt as to the failure of heart-action, quinine is the remedy above all others, for the reason that while it diminishes temperature, it tones and strenghtens at the same time the failing muscles of the heart. As a general febrifuge and cardiac stimulant, digitalis should also be mentioned in this connection as a valuable addition to the quinine. But, with a purely antipyretic method, Liebermeister claims to have brought down the mortality in "croupous" pneumonia from 24.4 per cent. to S.S per cent. But the value of this exclusive treatment certainly requires to be confinmed by further experiment be-repeated at intervals of ten or twenty minutes until fore it can be generally received. pneumonias in this country vary so greatly in their type, and in different localities, that all exclusive the retardation of the pulse, he more recently modes of treatment are out of the question. Indeed, quinine and stimulants are, in many cases, severing abstraction of heat. indicated from the first.

bath in the more inflammatory types of pneumonia, because it brings up the question of excessive blodheat upon the body, and especially-for reasons exercise. He now resorts to less sudden and less suggested-upon the heart and respiratory muscles. energetic abstraction of heat than formerly. His

professional reader, that growing attention is given '" As often as the temperature rises above 104° the to the danger resulting from simple *increase* of patient is placed in a bath whose temperature is bodily temperature. Without discussing the question as to the cause of the fever, we are beginning The temperature is gradually reduced to 68° to discuss its effects upon the organism as a dan-gerous element of discase per se. Trousseau says : "Few persons recover from enteric fever if the temperature exceeds 105°." This may be too dogmatical in its statement, but it is an approximation to the truth. Fever is a dangerous element of itself, and it is beginning to be more and more recognized as such. In typhus, typhoid, and other infectious diseases, "the greatest danger," says Niemeyer, " is from the severity of the fever." This danger he regards as a double one. one hand, the increase of the bodily warmth above a certain point-say 108°-"induces paralysis of West and South-west has been extensive, and I can the heart and renders life impossible ; " while, on | speak, therefore, with confidence as to the value of

induces consumption of the body of the patient," The exhaustive effect of the fever is compared to that of excessive bodily fatigue.

In the treatment of these fevers, Niemeyer urgently advises the abstraction of heat, and speaks of cold affusion, or the cold bath, as one of our most valuable antipyretic agents. This will be recognized, however, as an old remedy in fevers. It was a favorite with Galen, and still more so with Currie; and, at a later period, with our own countryman, Nathan Smith. At the present time Nicmeyer and others urge only what Currie so enthusiastically wrote about during the latter part His Medical Reports on the Effects of Water, Cold and Warm, as a Remedy in *Febrile Disease*, are among the most eloquent contributions to the professional literature of his time, and his recommendations have been followed with Armstrong, who wrote so well on much success. fevers at a later period, speaks no less enthusiastically of the febrifuge virtues of water. He adopted, substantially, Currie's mode of using it.

Niemeyer has somewhat modified his mode of using cold water. Formerly when the bodily temperature had risen to a dangerous height, and there was occasion to lower it, he had his patients " wrapped in cold wet sheets, and the proceeding Moreover, our the desired end was attained." But, observing that there was occasional exhaustion along with doubted the propriety of such sudden and per-He raises the question, very properly I think, as to whether it is not I have dwelt mainly upon the uses of the cold possible to exhaust the patient by an "excessive increase of the production of heat," comparing it, as already stated, to the effect of excessive bodily It cannot escape the attention of the general plan'is substantially that recommended by Ziemssen: about 10 below that of his body, or about 95°. , the patient remaining in till he is slightly chilled. He is then placed quickly in a warm bed. This is repeated at first four or five times a day; subsequently it is reduced to two or three. If quinine is used in two or three grain doses at the same time with the abstraction of heat, he thinks we are not obliged to use the baths so often.

In the inflammatory stage of our autumnal or remittent fevers, in which there is marked elevation of temperature, with dry, hot skin, cold affusion On the | frequently proves to be a valuable sudorific. My experience with it in this class of fevers in the