were enough to keep the temperature almost normal. In spite of the reduction of temperature under the action of the salicylic acid, the frequency of the pulse was completely unaffected, although it often became stronger and less dicrotic. The severer cases, as well as those attended with delirium, were treated with a combination of cold baths with the acid, and it was found that under these circumstances the effect of the baths was more marked and more persistent than if they had been used independently. The treatment appeared to exert a distinct influence in shortening the duration of the disease; the average length of the febrile period in 164 cases which were treated early, and which ended favourably, being 13.1 days may be looked on as a good result, considering the malignant character of the particular epidemic, the total mortality of the 260 cases being 63, or 24.2 per cent. Dr. A. Fisher has reported twenty-three cases of typhoid which were treated with salicylic acid and salicylate of soda in the Dresden Hospital, and, while admitting their antipyretic action, considers that, weight for weight, quinine is six or eight times as powerful as those drugs. Dr. Goltdammer treated fifty-six cases of typhoid fever with the acid, chiefly in the form of salicylate of soda according to Riess's formula. He found that in the first two weeks of the disease the acid was most effective if given in the evening, but that, when the period of morning remissions sets in, it is best given in the morning, and at that time, too, smaller doses of it are required. Of the fity-six cases seven died; three of them from pneumonia. Dr. Goltdammer did not find, as Riess did, that the duration of the disease was perceptibly shortened by the treatment. A. Nathan has also published a few cases of typhoid fever treated with salicylate of soda, with very favourable results. Contrary to the experience of Riess and Goltdammer, he found that a considerable influence was exerted on the pulse and respirations, both of which diminished in frequency. We have already (Medical Times and Gazette, Feb. 5, 1876, p. 144) called attention to the action of salicylic acid in acute rheumat-Other observers agree with Stricker, that in this disease the effect is almost specific. fairness it should be stated that Dr. Buss, of Basle, in his original paper—to which we owe our earliest knowledge of the antipyretic action of salicylic acid—distinctly stated (loc. cit., p. 488) that he was inclined to ascribe a specific virtue to the drug in rheumatic fever. Dr. Riess has since made the same obversation in fifteen cases which he treated, and in fact four of these only required a single dose, and three others two doses, to produce permanent improvement. The atipyretic effect of the acid exhibits itself in other diseases besides the above mentionedfor instance, in erysipelas, primary pneumonia,

are not entirely agreed as to the relative effect in each disease; but we gather from their state ments that the depression of temperature which the drug produces has a somewhat transitor character. With regard to the form of admin istration, the observers quoted are divide among themselves, some preferring to give the pure acid, and others the salicylate of soda .Bus prefers the pure acid (salicylic acid two gran mes, and sugar one gramme suspended in water and he states that so little does it disturb to digestion that he has himself taken at one does four grammes half an hour before lunchen without being able to discover that his appetit was in the least affected by it. According to him patients with fever can take larger quantities than healthy persons, and he frequently gar six grammes at a dose suspended like an emul sion in water. On the other hand, Hiller (loc. cit) is much opposed to the use of the pure acid, atan rate in ague, since doses large enough to reduc the temperature decidedly (five to eight grant mes) are not only most unpleasant to take, by are liable to produce vomiting as well as a feel ing of burning and tickling in the throat, and possibly to set up ulceration in the stomach and and intestines; although there was no reasont suspect the latter events in any of Hiller's on cases. In consequence of the insolubility of the acid in cold water (1 part in 300) it is impos sible to use a simple aqueous solution to reduce fever, since several litres would be required to introduce into the system an effective dos and few patients would consent to be swamped so to speak, with medicine, even if it were of more agreeable kind than salicylic acid. The salicylate of soda seems, all things considered to be the best form for administration, and is probable that since the physiological activi of the latter is equally pewerful, it will probable be preferred to salicylic acid in future by more medical men. Both the acid and the soda-sul agree in producing in full dose a sense of pression in the head, and ringing in the em Buss describes a congestive period as occurr in healthy persons after doses of three or for grammes: in this there is a general feeling warmth over the whole body, accompanied general perspiration, and diminished acutene of sight and hearing. This passes off in about a quarter of an hour, and the ringing in ears succeeds about two hours later, and my last some hours or even a whole day when dose has been very large. Copious sweats seed to be an almost constant effect of the remediate (Buss, Riess, Fischer, Goltdammer). Collar Goltdammer has been noticed in a few cases. especially calls attention to this symptom, states that in a slight degree it not unfrequent He mentions a case of acute tube occurs. culosis in which the temperature was reduced to the normal by a five gramme dose, but and the hectic of phthisis,—though observers which the collapse was so severe that the patient