Health Department.

[A certain space in each number of this journal will be devoted to questions and answers of correspondents on all subjects pertaining to health and hygione. This department is now in charge of an experienced Medical Practitioner, and it is believed that it will be found practically useful. Questions under this department should be as brief as possible and clear in expression. They should be addressed to the editor of this journal and have the words "Health Departments" written in the lower left corner or "he face of the envelope.—Ed.]

Poisons and their Antidotas.

Irritant poisons are divisible under two heads-(1) Motallic irritants; (2) Vegetable and animal irritants, the latter two being grouped togother. It would, however appear that none of them act purely as irri tants, as the irritant symptoms to which they give rise are likewise usually accompanied by well marked action upon the nervous system. The most serious poison of this class is undoubtedly arsenic. Salts of antimony, zinc, and other metals constitute a variety of other metallic irritants. Of the vegetable irritant poisons, claterium, various essential oils such as savin, and gamboge, afford examples. Poisoning by arsenic may be either acute or chronic, the acute form being by far most common, following criminal attempts on life. Its effects in some instances may be purely narcotic. The first symptoms of arsenical poisoning, according to Ortila, are sickness and faintness, which arise about fifteen minutes after being taken. An intenso burning pain is also felt in the stomach, quickly followed by vomiting, increased on attempting to swallow.

Poisoning by areenic is distinguished from on ordinary bilious attack by the fact that pain and sickness are not relieved by vomiting, which usually happens in biliary derangements. A fcoble and irregular pulse, accompanied by thirst, with clammy hands, are prominent symptoms of arsenical poisoning. The immediate employment of emotical -except tartar emetic-diluents, and demulcents, has been suggested as perhaps the the most serviceab e antidotes; but no con fidence should be placed in the so called antidotes, ferric hydrate and magnesia, unless a solution of arsenic has been taken. a solution of arsenic has been taken. In chronic arsenical poisoning, most frequently engendered accidentally, by inhalation of arsenical vapor in factories, or by arsenical dust, loss of muscular power and failure of appetite are among the most prominent symptoms manifest. Under such circumstances, the cause—which is usually some occupation connected with the manipulation of arsenic—should be promptly sought for occupation connected with the manipulation of arsenic—should be promptly sought for and removed—quinine, iron, and change of air being recommended.

Neurotic poisons may be divided into a

Neurotic poisons may be divided into a large category; but in one and all, the symptoms produced from their administration chiefly attack the nervous system. Under this head are embraced pure narcotics, such as morphia, chloral hydrate, strychnia, hyoseyamus, &c. Prussic acid occupios a prominent positior, as its effects and termination are very rapid in progres, being one of the most powerful of all poisons. Difficulty of breathing, speedily followed by convulsions, the commencement of which is announced by a loud shrick occasionally. by convulsions, the commencement of which is announced by a loud shrick occasionally, are manifest; subsequently, loss of consciousness and muscular power. Fiften minutes is the longest time known to clapso between taking this poison and its effects. In some works it is stated that the best made of treating appreciated palenting is hymode of treating prussic acid poisoning is by the application of cold affusions before or after the convulsive stage has commenced, and the inhalation of diluted ammonia or chlorine. Stevenson advises an emetic to be administered also. Friction and artificial respiration have been recommended by other authorities.

Opium and its preparation deserve is

fortunately, often occasioned by the indis-criminate use of "sleeping draughts" and quack nestrums. In cases of opium poison: ug, the immediate use of an emetic fa table ing, the immediate use of an emetic (a table-speenful of mustard mixed with tepid water) has been advocated. The head and face should be dashed with cold water until the stuper is partially removed. The patient should not be permitted to sleep, but should be kept in continual motion. A cap of streng het coffee ought to be given to him

on his recovery.

Our space will not permit of a more minute inquiry into other varieties of neurotic poisons; suffice it to say, that in most in-stances erising from the administration of any preparation of opium, the antidotes above mentioned are considered the most

We must not omit to notice poisoning by copper, which at times has arisen from the employment of copper vessels for cooking purposes, which never should be employed in any household. The first indications of copper-poisoning are sudden attacks of grip-ing pains, aggravated by pressure, often ac-companied by sickness and a peculiar sallow aspect of countenance. According to Ryan, the white of egg is the best autidate for poisonous preparations of copper. Lead-poisoning is usually owing to drinking water which has remained for some time in leaden pipes, or by certain avocations in which some preparation of lead is used. Goulard water taken by mistake causes lead-poisoning. Lead-colic is one of its leading symptoms, which is relieved by pressure. Paratoms, which is relieved by pressure. Para-lysis of the limbs is another well-marked indication. Sulphate of magnesia has been recommended as an amtidote. A dram of sulphate of magnesia, five drops of dilute sulphuric acid, and twenty drops of tincture of hyorcyamus in two tablespoonfuls of camphor-water every two hours till the bowels are relieved, and then thrice daily for five days, is the treatment which some consider

days, is the treatment which some consider most appropriate under the circumstances. In drawing this article to a close, we desire to impress upon our readers the vital importance, in all cases of polsoning, of being able immediately to administer the antidotes, while the medical man is being summoned. Many a valuable life would undustedly be saved, were the precautions before mentioned adopted without a moment's delay.

Bleeplessness.

We have lately mot with a case showing the danger of overworking the brain. It was a lady who bad inherited great-cerebral activity, her three nearest ancestors having been graduates of Harvard, and men of eminent professional success. Her father had showed the effects of overculture in extremes of feeling, in the eagerness with which he devoured books, in the number of hours spent in his work, rising to it at four in the morning the year round, in his thinness of flesh, and early death. The child of such an heredity should have

been stoutly held back in her intellectual development, she being sure of all desirable attainments from her own impulses and unaided energy. But the father brought to bear the full power of his own mind to stimulate her mind.

One result was an irresistible intellectual momentum, and attainments in range, varicty and extent seldom surpassed. But another, a little later, and onward to her death, after years of inexpressible nervous suffering, during which she felt herself on the verge of insanity-wassuch unconquerable wakefulness that she wrote, "All temporal blessings seem to be expressed by the one word sleep."

We have thus detailed the case as above, that we might emphasize it by the somewhat similar experience of her sister, the author of an intensely interesting and helpful work. As this lady was only aix years old at her father's death, she escaped the untimely stimulus to which her sister had been sub-Opium and its preparative deserve as pecial notice, as the greater number of poisoning cases are due to their action. All though the symptoms of opium poisoning greatly vary, yet they are mostly unhored in by giddines, listlessness, and drowsiness, followed by stupor, lapsing slowly into complete insensibility. (pium poisoning is, unplete insensibility. (pium poisoning is, unplete insensibility. (pium poisoning is, unplete insensibility.)

Moreover, her intense sympathies and yearning for usefulness were exhaustively drawn upon in her position as the wife of a prominent paster in New York City. Though her beloved summer residence did much toward repairing her nervous exhaus-tion, yet even here her benevelence filled her house with company,—and what is more exhausting?—while her piety prompted her to weekly filled expositions for the benefit of

to weekly Bible expositions for the benefit of her n ighbors

Her husband thus speaks of the period within which her published works were written: "that dreadful sleeplessness to which she had been so in bondage for a quarter of a century, whose grasp had be-come more and more relentless, and the such as words can hardly describe. No human being but myself had any conception of her suffering, both physical and mental, from this cause."

Conduct in the Sick Room.

An invalid who has suffered much much, perhaps, from the well-meant but annoying attentions of attendants as from discase-gives the following excellent advice as to conduct in a sick room.

Do not walk on tiptoe, she says, for this, in addition to its unusual elaboration of the gait, invariably causes a certain amount of creaking.

Speak in low tones, but don't whisper: a whisper will often awaken a sleeper who would not be disturbed by ordinary conversation. Let your clothes and foot-covering be of as noiselers and unobtrusive a charac-

sation. Let your clothes and foot-covering be of as noiselers and unobtrusive a character as possible, and instead of gliding and tottering about like a rickety ghost, do not hesitate to walk. If you have occasion to say anything in the room, say it so that the patient can hear it if she wishes, and do not let her be aware of your conspiring privately with others, especially at the door.

The door has much to answer for. If it be visible from the bed, people open it cautiously, put their heads in and slowly with draw again. If, as is more frequently the case, it is screened, mysterious openings and shuttings are heard, unattended with any ingress or egress, and sollo voce collequies go on outside. When you enter, do so honestly and at once; do not spend five minutes in turning the hardle, like a house-breaker, thereby producing aseries of irritating little clicks, finally terminating in a big snap, with which the door flies open.

Never stand at the foot of the bed and look at the patient. While talking to her it is better to sit by the side of the bed, and as near the pillow as possible, so that you may converse casily, while your face and body are turned in the same direction as hers. By this means, you can make all necessary observation of her fe-tures without enforcing the arrest of hereyes to your own, which is so embarrassing and disagreeable to one lying in bed. Keep her in as comfortable a position as possible, but don't be too demonstrative in emoc-hing the pillows and little offices of that sort. Fidgety attentions worry and do more harm than down right neglect. worry and do more harm than down right neglect.

The Treatment of Scarlet Fever.

As is very well known, the process of des quamation which fo'lows scarlet fever varies very much in different individuals; sometimes it is accomplished by particles so fine as to be hardly perceptible, and these are a very frequent and certain source of contagion by means of clothes and otherwise, much more so than the scales as ordinarily thrown off. It is evident that this being the fact, it must be much more difficult to prevent a contact and contagion with these fine, almost imperceptible scales which are floating in the atmosphere, than where desquamation occurs in large patches of skin. quamation occurs in large patches of skin.
To obviate this dancer, sir. George Smith, of Somerset, England (Bristol Med. Chirur. g cal Journal, Dec., '54), states that he has for several years been in the habit of having his patients well sponged over the surface of their bodies, commencing, as a rule, about a week after the appearance of the cruption, and continuing the process until desquamation is complete, with a mixture of one ounce of out meal to a plut of boiling water.

The solution is made fresh every day, and

used topid at such a temperature as may be comfortably borne by the back of the finger. His reason for using this particular com-bination is that the gluten in it sticks the bination is that the gluten in it aticks the scales to each other and to the surface of the body, thus allowing of their being removed from one sponging to another without the ordinary risk of infecting either atmosphere or clothes, and this greatly lessening the risk of spreading the disease Secondly, the gluten fills up the cracks of the new skin and protects it from cold, as patch after patch of it becomes here, and it thus, to say the least, greatly lessons the risk of the dropey which so often follows upon this disease.

Oramp.

This term is applied to a sudden spasmo dio contraction of a single muscle or set of muscles. It most frequently occurs in the calf of the leg. It sometimes extends to the whole body. It is often very painful. In many cases the spaam is preceded by a crawling or tingling sensation, or stiffening of the parts affected.

Treatment -When the cramp is confined to a single muscle, as in cramp of the leg, it may be relieved by simply grasping the muscle and pressing it with considerable force.

A gentleman who was much troubled with A gentleman who was much troubled with this peculiar affection, and to whom we recommended compression as a remedy, had made for the purpose, two straps, furnished with a buckle at each end, which he always carried with him. Whenever he felt the first symptoms of attack, he would apply the straps to the calves of the legs, where the cramp always began, buckling them as the straps to the calves of the legs, where the cramp always began, buckling them as tightly as possible. The application of heat and cold to the spine, with fomentations to the affected part, are useful measures. When the cramps extend to various parts of the body a general warm bath will usually afford relief. Some cases are best relieved by application of ice to the spine. Ice may be applied by the ice pack, or by rubbing a piece of ice, inclosed in a piece of muslin, up and down the spine. The patient should be kept as quiet as possible, as the least motion will often induce a return of the spasms after they have ceased. Gentle manipulawill often induce a return of the spasms after they have ceased. Gentle manipulation of the affected muscles, if very cautiously performed, will sometimes relieve the tendency to spasm.

Waterproof Olothing.

When once a waterproof is put on to defend the body from wet, it should on no account be taken off until the wearer has not only taken shelter, but is in a position to change his clothes. What a covering of oiled silk does for a wet rag in surgery-namely, convert it into a poultice—the waterproof does for the clothes of its wearer. The insensible perspiration which finds a way of escape through ordinary clothing is kept in by the waterproof, and the clothes are sat-urated with moisture. A very few minutes will suffice to render the underclothing "damp" under a waterproof, particularly it either the wearer perspires freely or the weather be what is called "muggy" as well

when, therefore, the wearer of a water-proof take off that article of clothing be-cause it has ceased to rain, he is in the posi-tion of a person who has damp clothes on cause it has ceased to rain, he is in the posi-tion of a person who has damp clothes on and, if he sits in the saddle, or walks home, or rides in an open trap, he is more likely to take cold then if he had not used the waterproof at all.

If, therefore, a waterproof is once put on, it should on no account be removed unti-the clothes can be changed or dried by a fire without reduction of bodily tempera-

THE BLACK DEATH.-The black death of the fourteenth century, believed by some to