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## THE

## MEDICAL CHRONICLE <br> YOL. II.] <br> NOVEMBER, 1854. <br> [ No .6.

## ORIGINAL COMMUNICATIONS.

AkT. XX.-Rcport on Malignant Cholera amongst the Troops in Canatla, in the summer of 1854, made to Dr. Andrew Smith, Direc-tor-Generai Army and Ordnance Medical Departments. By W. Iíenhy, M.D., Inspector Gencral of Itospitals.
It would, perhans, have been desirible, that the London College of Thysicians, when appointing a committee of their boty, two years ago, to ecolleet faets and report on cholera, should hive instructed them to consult whether unother name onght not to be given to the discase. Every medical man knows that its present pppelation is a gross misnomer. The Romans, copying the Greeks, as they servilely did in theraprenties and other things, adopted the word, and we have borrowed it from them ; all three attaching to it the idea that redumbant bile is the cause of the discase. We know not only is the secretion of bile suspended, ?nt that aiso what ha, been colleered in the gall badder cannot pass inte the disudenum; all the duets being paralyzed. The thickening of the blood is the prominent and proximate cause of drath; and consequently some term denoting this should le devisel, and onght to supersede the present inappronriate mame. The Greck terin for blood ham alreatly been incorporated into not a few modical words, generally recognued, and furnished them with an euphonions termination; and to designate the fatal malady in which that fluid is so vitally changed, there annears to be no good reason why it shonld nut assist in forming another; Paxcmia, for instance.

Cholera arrived in Quebec, with the emigrants, about the middle af last June. This is, I believe, the sixth time that it has crossed the Atlautic in their train, and ascended the St. Lawrence, since 1832, notwithstanding the quarantine arrangements to prevent it. This alone appears to afford prima fazie evidence of one, or porhaps the whole of
three things-the inutility of the quarantine, its defective arrangements, or their careless execution. As seems now to be generally admitted, the Grosse Isle Station is too far from Quebec; and the rocky and marshy islet itself is unfit to be a quarantine depôt.

The first case of cholera amongst the military in Quebec occurred on the 25th June. The patient was a soldier of the 66 th , on guard over a store in Champlain Street, in the Lower Town. This is a confined and dirty street, running close along the base of the huge, perpenticular rock on which the Upper Town is built; by this position deprived of proper ventilation, and heated much by reflected samshime besides. It contains a depraved population; is full of low taverts. to which solditrs and sailors resort; and has usually been an early and civarite nuius of epidemic discases. The man was cansied to the Regimental Hospitu! immediately, ran quickly pnto collupse and died in a few hours.

It may here be added, that, as had been done on former necasions, the guard was immediately reduced from six to four, by order of the Lielt.General Commanding, and would have been withdrawn altogether, hut that the contents of the sture were valuable, and could not be left unprotected.

The 71st, quartered in the lonty citadel of Quebec, sufferud very litice from the epidemic. There were only three cases of chulera, oi which one man died. The troops are quartered here in casemate barracks, wheh in spring, when the snow melts, leak a good deal at the roof; limt it has always been a healthy spoi, although very cold in winter. When quartered there, many years ago, I have observed Fahrenheit-36 deg., on going to the mess at 6 p.m.

The discuse appeared soon in the villages near Quehec, and gradual!y apread though the Proviace, followitg, us usual, the courso of tho river, and other great lines of human intercourse. At Muntreal, it attacker? the 2 th Ifcriment, and an offleer, suveral men, and a few women and childr:a, berame its victims. The Regiment was moved in !usbec, with much sanitury improvement, aithough anotner oficer died there of aholer:.

Th. ©itar ritice dhe 26th at Montreal ; hut insteal of occupying the: Buracitast unce, whers savoral instunces of the disease had recently vecuread, it was thought better that they should be encamped in the Islaud of st. Helen's, opposite the city, unthl the Barracks were weli eleanod out, whitewished, and purifled by chlorido of line and chluride a' zine.

Tho encasmuseat of troops, in fine weather, is always favorable to Lesth, asp 'uinlly when somo epidernic disease is provalont. On sovaral occusiune t: liumedn I bave witnessed this, particularly during cholera
incosions. Yet, as I conceive sary unfarly and inceically, the cholepa
 encampin of of the coms, instead of lodeing the :utio the infected Barracks. This was a gross instance of coufendiag the $p^{\text {rist }}$ in $x$ with the $;$;ropter hor. Acrording to all fuir reason...ig, founded on harge experience, the probubilly r , in that casc tac trith would have sufferd twice as much.

There can be no more he diny, ciocerful, ber heautiful site for a camp

 venthated ly the prowalent sonth-w st wind. The St. Lawrence runs o: ln tio sudes in a strong current, and from alnost every porat there is a fine ren of iomereat, ats eusirdian Momatain, the banks of the river, and the shyping and smaller cratt.

Inmedhataly ther the arrval of the 66th, cholera, choleraic diarrhea, cominou diarrluan. and colic. broke out. Eleven cases of collapsed cholera occurred amongst the men, and one case amonsst the women; of which nine enci-d tarally. More than a humired cases of diarrhatea were admitied, comprsing a large proportion of what thave called choleraic diarrhce, which had every apperrance of soon m.rging into cholera, if not arrested ly proper treatmen:. A good deal of this mischief, during the two first dins, was carsed by eating largely of the wild cherries that abounded in the island; but they were all gathered and destroyed in a day or two, by orinr of the nfficer in command.
Two companiey Ruyal Artillery at Montrea! had several cases of cho lera, of which three died ; there were also a conviderable number of instances of colic and darrhora. 'They were encamped, and immediately after their heulth was perfectly restored.
The 54 :h Regiment at Kingston haul seven had cases of cholera, and lost four mons. They had also, in common with every licgment in the Province, double the rsual number of colics and dir rriaia. The Roya! Artillery at Kiurston lost one woman from chalera.
A large detachmeat oi the Roy 4 Camatian Ridns allori ilenry, near Kingston, suffic ret enverely frota the epidenic, nuter the folluwing circumstances. Well !-haved men of this sopps are permitied to work for farmers and others, and earn a noold deal in this way. A arty was employed in making ratis at ciarden Islaind in the middle of . .u'? , when the weather was very bri. This was unhanihy employ ment; for the feet and less were usually in the water, and thr upper part of the indy was often in hot stushme. Seventeen of the th:' a were attackeat with cho. lera of the wort form, and twelve died. 'the purty was inmediately withdrawn.

Head quarters and two companies of the same Feniment at Toronto escaped the disease ten wecks, althung it was preta'.nit amongst the civil population of the town. At last unt case of lad choleta and several cases of choleraic diarrhara appeared. Onn man dud.

The detachments of the lifles at Niagira and lrescott escaped entirely, and the party at lole ans Noix wonld, probably have berer equally lucky but for the ncesdent ui a ban comang into Wontreal, whe eanght cholera here and died.

The following table has been preprared frum the Returas of the Medical Officers.


Only three of the bodirs were ofrined. past motion examinathons having been left to the discretion. of the medical affeers; fur at appared to me, that making this point of ordinary unty amperative on contagionists in cholera would have been wring.

In the bodies opencd, there was gothing secn but what has leen observed often before. The blood was riscid and uncuagulated; the gas--tro-intestinal mucous membrane reddisin and congested, and the white part of the brain thickly studded with red poinis.

Six of the deaths arose from sucondary fever, with marked head symptoms, aiter apparent convalescence.

Treatment of Diarrhaca.-During the epidernic of this year, I have seen no case of cholera in the military haspitals, nor has any been rer ort-
ed, which had not been preceded by diarrhou of midd or setere type. and af longer or shorter duration. It is now generally allor:id to be the first stage of the disense, in which it may be cut short withont difficulty.

The medical officers here have effected this in diffirent ways, each employing his favorite medicines. Indeed, the secret of success seems to have been the carly administration of the remedy. Calomel, followed by an o'caginous purgative, cccupies the first place, and has been most fenerally used ; next, calomel and opium ; then rhubarb and magnesia, diluted sulphuric acid, hubarh and giager, fec. sec. A few trusted to acetate of lead and other astringents; but this appears to have been the least successful practice. Some gentlemen gave calomel and opium in a pill; but pills have always appeared to me objectionable where time is valuable.

As I had done in four previous epidemics of this kind, I recommended the following treatment:-Patient to lie down on bed on the right side; if an adult, two tablespoonfuls of castor oil, and fifteen or twenty minims of tincture of opium are to be beaten up well in a cupful of hot milk, or milk and water into an emulsion, and administered. The milk must be very hot. If the oil is rejected, which, when thus prepared, is rarely the case, it is to be reneated in half an hour.

The position is intended to faclitate the gravitation of the fluid, that it may pass quickly into the intestines.

With this medicine only, assisted by tepid demulcent drinks, I have treated successfully several hundred cascs uí diarrhcea during cholera epidenaics since 1832 ; and on various occasions, when attacked mysclf with choleraic diarrica, in these trying seasons, or when members of $m y$ family have been ill, we have trusted to ihis alone.

The oil and laudanum appear to glide soothingly through the small intestines in contact with the mucons membrane, where congestion may be commencing. This the oil appears to dissipate, by gently exciting the normal peristaltic action, and thus eliminating the morbid and irritating secretions. This theory may be wrong, and the modus operandi here glanced at defective, in some important particulars, yet I am certain as to the value of the practice.

In their Cholera Reports the medical officers under my command give testimony in support of this.

Treatment of Collapsed Cholera - The London College of Physicians have published this year a valuable Report on Cholera, which was drawn up by Drs. Baly and Gull. The pathology and treatment were entrusted to Dr. Gull; and he has illustrated the subject in varions ways, amongst uthers, by giving the result of modera researches into the chemistry of healthy and choleraic blood. The authors, who have most ably inves-
tugated this puint, are rif.resented to be Dr. Garrod, of London, and I'r. schmidt, of Dori.t; and the laiter attempted to calculate exactly the luss the blood sustains in a fiver time, by the transudation of its seruna on the skin, aud in the intestuts, and of a part of the fibrine that is wasised away. But it is n:amiont hat this process must vary accordins to the respective idicsynerasus or cholera patients, the volence of the attack, and other auscs; ind it is net strange that, in this arduons attempt to measure accurately the crassitu ti: an d yuality of eholernac bled. Pr. Schmilt should bave failed, as has reviewers say he has.

And even if he had succeded. aitmono? 'rise most elaborate chemi--al experiments or the distmeture characterist:es uichultraic and inmat blood neither shew :1.. cause of the trausadatain-the great arcariz nnor lead to a knowle. Ige of the preime reatment of the disease.

It appears that a great ofort is made in the system to conpensate the sprous lass the bleod is susianing, by sucining fitud from all the tisubes. and pouring it into the heart or large vess ls ; and some have marined. that muscular spasms are owing to this dudden abstriction of mosture. which was necessary to the muscles, either at rest ar in action.

The blood having lost most of its watery constitutents, becomes of the oonsistence of tar or treacle, and is rendered unsirculeble in the smalle: vessels. It cancot be acrified and heated in the lugge, vor penetrate the capillaries of the brain, and excite its proper and mystic functions. How, then, is life to be supported under these circuustances? The most ohvious methec? to re-invigorate the vital powers is to restore the blood to its normal consistency, by the injection of an artificial serum of prope: temperature; and no doubt when this was first practisad in Edinburgth. in 1832, the operator believed he had in reality discovered the elixir aita, though not given by the mouth. But his triumph was only for $\mathrm{v}_{\mathrm{t}}$ hour; an element of the blood conld not thus be created-the forced mixture which had momentarily exercised electric influence soon separated, probably in the brain, for ald the paticnts died with symptoms of cerebral congestion.

In 1832, at Kingston, in this Province, my filend l)r. Samrson and myself injected a quasi-serum into the veins of twonty poor cmigrants in the collapse of cholera. The mimedute resturative afets were wisaderful, but they all died with symptoms of ellision on the brain.

During the last summer, Dr. Eutherland, liofissor of Chemistry in the MicGill University here, prepared, with the greatest care, an exact tritation of the serum of the blood, and mjected the tuid, of blood hoat, in three cases of collapsed chulera, but with the same result.

When collapse has taken place for some hous, ull attepipts at recovery appear to me bopeless, although it is doubtiess un duty to 1 ersist as long
as a spark of hife remains. But within a shorter period experionoe proves that a stinulus introduced into the stomach, which shall support the expiring powers, and enable the veins of that organ, and other channills. to convey finid to dilute the blood, appears the grand desideratum. In the nilhtary hospitals, hesides the ordinary calefartive external applications, cnlomel. in small deses, frequently repeated, has beer chiefy relied on; to this have been added camphor, capsicum, ammonia, champagne, and a host of thinei medicines. These remedies, and some scores besides, have been cither siven by myself or under my immediate odservation, during trenty years' experience, in cholera; but I regret to say with little effect.

But there is one powerful stimulant, which I have never employed, although I had read of its use in the Parisian hospitals, namely, strychwine; and this really appears the best of all. In the late epidemic, Dr. Fraser, a Professor of the McGill University, gave it in doses of 1-48 of a grain, dissolved in acetic acid and alcohol, every fifteen minutes, or in very severe cases, every ten minutes, to twenty-two patients under collupsed cholera, in the Montreal C eneral Hospital, wwithont selection. The result was more favorable than I have ever observed, or than any recorded instances of which I have read or heard; fifteen of the twentytwo recovered.
Dr. Fraser has given the names oí his patients, and a few other particulars, in the Septenher number of the Montreal Medical Chronicte; and this statement is therein corroborated by two medical officers of tho hospital. Another physician of that institution. Dr. Campbell, saya in the same number, he has used strychnine in cholera, in doses of 1-32 of a grain in three bad cases, with co....iderable benefit; and adds that he thinks it the best stimulant hithorto employed in the disease. I am of the same opinion, bat would recommend iced champagne and water as an accompanying drink during its use.
The milhtary cases of chuler: this year have been almost universally asthenic and tymoid, and consequently most dangerous. They have differed essentialiy from those in 1832 , when the disease was first seen in this comntry. I was then surgeon of the 66th Regiment; and the firat eleven men that wereattacked labored under very severe spasms, with flushed fices, hot skins, and strong action of the heart and arteries. They were all bled from the arm, and recovered.
The castor oil trentment of Kiug's Sollege, London, does not appear to me likely to continue in favor in that institution. However valuable in the first slage of chole ra, this medicine, I think, is useless in the collapse.

The labors of the medical officers in this command, during the late
emergency, have been most praiseworthy. Half of them had threatenang dararhoa; but in no instanee did it end in cholera. And it his beers gratifying to see then, vying with their envil brethren thoughout the Province in yielding gratuitous aid to the poor. One of the lead : a medical gentlemen in this city is said thus to have lost his life, when I disposed to cholera, by severe professional work. The clergy of all prorsuasions exerted themselves in visiting the sick. Anet as we tnow thit under the direction of a beneficent Providence good often sprimss from ovil, there is ground fur hope that much softening of religious and politiead acerbities may result from the late infliction.

Montreal, 18th uct., 1854.


#### Abstract

©RT. XXI.-Small Calculi (Phebolites?) taken from between the Wrel/s of the Vagina, in a colorcd woman trho died of chronic tubercullar peritonitus. By Gegrge D. Gibb, M.D., Physivan to the West London Free Dispensary ; Fellow of the Medical Society of London ; Member of the Provincial Medical and Surgical Association of England.


If the many valuable monographs of the present day which especiully treat upon the diseases of the female organs of generation, whether in connection with gestation, or exclusively distinct from that process, be carefully consulted, we shall find almost every imaginable pithological condition, every possible state in fact, evenslightly deviating from health, in relation to uterme or vaginal disease, have been therem described. Shonld any rare condition, however, have esraped notice in these standard works, its description is $t c$ be met with in sorae one of the periodcals of the day.

Many years ago, when holding office in :he 3 :ontreal General Hospital, a case came under my notice which, frum its extrerae ranty, excited considerable interest, but which I have ouly hately !ronght before the profession here, and now publish it more in detail ir the pages of the Medical Chronicle, as it may most probably be within the recollection of many of your rcaders to have witnessed it.

Calculi have been found in alinest every organ of the body. According to their seat, and according to their composition, have they been denominated concretions, isolated or extrancous growt! s, deposits, de. If we specially consider the arinary ongans, they nave bern futind in the kidneys, the ureters, the bladder, the prostate gland in the male, and in the urcthra of the male and female. On the wher hand, if we turn to
the generative organs, we discuver their rarity to be the ryle. Calculi have been found in the uterus, and have been classed under, the head of uterine mols. Dr. Waller mentiuns an instance in the scoond volume of the Lancet for 1859-10. My friend Dr. Edward Crisp has shown mo a specinon from the uterus, rescmbling in ifs characturs solid bone. Dr. Ashwell dwells upun them, and supposes them to be the uomb stones of the ulder pathologists. And Rukitansky spoaks of ostepid growths occurmg in $t^{2}$ us organ. The vagina has becu lined with calc., reous sulstances, adhering to its mucous surfaces, but has never been fund to contain calculous conoretions. Fureign bodies do not come within this category. No writer has noticed the occurrence of these concretions in the walls of the vagina, and the case here recorded is most evidently unique, as no similar one, nor one possessing any of its features, can I find on searching several hundred volumes.

In the summer of 1845 , a married colored woman, aged 45 , whe had Zorne children, was admitted into the Gencral lluspital at Montreal, suffering from scrofulous discuis of the mesenteric glands. There was a good deal of obscurity in the general symptoms, which were at times those of chronic peritouitis, accompanied with great de lility and general wasting, from which she died oin the $25 t h$ Siptember folluwing. At the gost mortem examination, all the abdominal viseera were found agghtinated tugether by uld adhesivis. in numerous parts of which were deposits resembling tubercle. The peritoncum was mach thickened and rough from chronic inflummation. The tubercular deposis were wery conspictous on the unentum ant betwern the layers of the mesentery; and the small intestines were much congested, and covered with mixed deposits of lymph and tuburcle. The uterns was enlarged to the size of a. fetal head, and appeated to be disorganized by the inflitraiton of the bercle; it adhered pusteriorly to the rectum, communicating with, and engaging that viscus.in the disease; anterionly it adhered to the. Bladder, and the fullopian tubes and ovarics could not he distinguished. The os-uteri was swollens, bat presented nothing remarkable. The coats of the vagina vere wery much thickencd, and on cutting into them, the knife grated upon some hard substances. This ted to a careful disiection, when thirty-one small white calculi, in size from a jin's head to a very small pea, were removed from between the cxtcrmal an! the middle coats of the vagina; they were not confincil to any pricular spot, but were chiefly scaltered over the anteriur surface of the co: ts, and were enveloped in cellular tissuc. 'iluey were white in enlor, and of the hadncsis ur Juar, bat their chemacal composition hat hot been ascertained.

The report of the aliove case, logether with the calculi, were brought before the Pathodogical Socicty of London, on the 16th May last, through the kindness of my friend Dr. Sibson, physician to St. Mary's Hospital." I mentioned in the report that I believed no calculi had heretofore been found in the same situation. In the course of the discussion, Mr. Partridge enquired if carefnl examination had been made at the post mortom to ascertain whether the concretions were within the cavities of veirs, and if so, they were phlebohtes. Dr. Peacock concurred in Mr. Partridets opinion, that the hitte lodies were prohably phlebolites. As I was not present at this meeting. the question could not be answered by the serretary, Dr. Quain ; but in a satbsecquent letter to him, I informed him they were not foum! in the cavities of veins; there were no traces of vessels near them, anit that thry were enveloped in cellibar tissue.

A: the refnest of the Socciety, Jr Lionel Beale made an examination of them, in order to deterinine their seal nature. The following was his report oi the specimens which, together with the details of the rase, a ad several drawings, inare just been published in the fift volmme of the Transactions of the Pathological Society:-

One of the smaller of the round bodies was ground down upon cithry side, in order to make a thin section. Upon subjecting this section to examination, with a quartcr-inch glass, it was scen to consist of a clear, transparent material, exhiliting an indistinct arrangement of concentrie lamelle arranged round the central portion of the lody. Scatterel through this matrix were a number of irregularly stellate dark spots. These were more abundant in sume localities than in others, but everywhere were charactcrized by the same general characters, irregnlaaty of form and size, highly refractive nature, and hard. dense structure, as was determined by endeavoring "cr crush them between glasses.

Acetic acid did not nct upon the suetions in the cold, but upon app!ying $n$ gentle heat; slight netion ensued, and was accompanied with thedevelopment of a dew hubliles of ges.

Nitriu acid acted cuergctically, with hrisk efferveseence, leaving behind organic matter colord yellow by the action of the acid. Upon anbjerting this matrix to microsecopical examination, it was seen to consist of fibrous la $\quad$ wines, urranged purallel to euch othery and forming a nomewhat loosch andiryequlurly filirons mesh-work (plate X., fig. 8), much disposed to Lrenk in the tranavarse direction. In fig. 9, the "ppenmee of onc of the filires, ripresented intho dower gart of lig 8 , is shown undes a prower of 220 dinucter:

Upon tho addition of exerss of nimmona to tho nitric acid solution, a
precipitate occurred, which. upon examination, was found to consist of amorphous phosphate of lime, with numeruas well-formed crystals of the triple or ammoniaco-magnesian phosphate. Oxaiate of ammonia gave an abundant precipitate of oxalate of lime in an acutic acid stlution of the salts,-insulatle.
Hence the nass salijected to examination consisted of an organic matrix, in which were depisited morganic salts, consisting of carbonate and phosphate of lime, with phosphate of magnesia. The organic material protected the inorgatic matter from the action of acetic acid ; while the stroug nitric acid readily permeated the animal matter, and dissolved the salis, as above mentioned.

It will be seen from this examination that the bodies agree in fremend character with phlebolites. 'That they were fuand in celliul:r tissurs cannot, I thinit, be urged as an argument against theirbeinglooked upon as of this nature, for "large phlebolites often lie in saccular jetiches on the side of the vein. - - . When the liniug and the circular fibrous eoats of the capsule are gradually destroyed, the pheheite finally lies in a capsule of cellular tissue; and this apmarance may have given sise to the opinion that the phlelxolite is originally deveolped in the callulat tissue outride the vein." "Rokitansky's Pathological Aisatomy ;" Transl. Sydenham Society, vol. iv., page 350.

From the preceding rejort of Dr. Beale, it will appear that these calculi possess the general character of phlebolites, and although they were not feund in the interior of veins, nor yet even in contact with any of these vessels, it is possible they may have become so completely atrophied as to escape notice. What further confirms this, is the explanation quoted by Dr. Beale foom Rokitansky, as to the manner in which they do become isolated. Furthermorc, if phleboittes baveleen found in the uterine and pelvic veins, as mentiond by Dr. Ashwell, it is reasonable to suppose the possibility of their oecurrence in the walls'of the vagina; anue particularly, as the plexises of veins, both from the vagina and uterns, unito, with others, for the purpuse of joining the internal iliac veia; and Wilson states the veins formiong the vesiculand uterine plexus are very suliject to the production of phatebulitess.

London, 29th September, 1854.

## ART XXII.-Remarks on Vomiting as a slgn of Chulera. By Hecto Peltier, M.D., Edinburgh; Physician Hutel Dieu; Lectures Inst. Med. Siontreal School of Medicine.

Numerons ubservations have been made on that fatal scourge, Cholera; therefore I hasten to inform my readers that it is not an ex-Profeso treatise which I am undertaking to write.

I wish simply to call the attention of the profession to a symptom which, according to popular belief and medical knowledge, in connection with rice water stools, contributed to establisi a true case of cholen, 1 mean vomiting.

I shall advert to it presently. Of the causes of cholera, we know no thing, besides its being a poison contaminating the atmosphere; how! where from? and by what means? we are truly at a loss.

The symptoms are perfectly well known.
The treatment, the true one, is yet wanting. I am aware of the innunerable drugs which have been, each in its turn, proclaimed as the best Take up the Lomdon Lancet and the Gazette des Hopitaux for the pas turelve months, and there yon will find so much abont the ditierent treatments reommended, that an honest and well-educated practitione will not cling to one treatnent in particular, but wil! iry every one, after giving cach a fair trial. There are respectable phisicians ir. this city who, for what motive no che can tell, boast of their complete sucess with one particular wadatine. Nuw, I have, like all other practitioners, had unturtumately a very great number of fellow-beings under my care durng the rppitemic of 1549 and during its last vesit this summer. As a medical journal, acoording to my views, is not got up purposely to insert the sucecesses of its com?ributors, but also the ansuceesslul casen which hapwen in practice, I comsider it my daty to give here the conclusion I have seure lo, and I believe that every true physician will bo convinced. In my pracite I have lost more than half of my cholen cases, and that ather a diversitiod tratment. The other hall have cured themselves u one, for the sathe treatment had been employed in teeth.

It would lake tou much phace were I to give jou all the diflerent prescriptions usel.

Most of $\mathrm{p}_{\mathrm{h}}$ sicicinus can tell that there were cases cured withour any ail. I must to woll understuod; I um sponking only of gemine casen As for promonilory symptoms, hure physicinus render a most unequivocal servico in giving proper treatment. But I reprudiate, as an evil and as a eommonerat queculation, in common with mest of physiciana thuse preventalives which wero sold in such qumetities by druggista,


romiting, which is, and ought to be, the only object of this communicaton.
Voniting is a symptom which, in cholera, is always cxpected. Strange to s.y, from my uwn experience, I bave just mote patients whe had not vimbicilat all. 1 do not wish to establish an aphorisin, fior mawy that donl in:ed vomited; bat 1 say, that, on the whole, I lost more who had nut vombed. All of those who recovered had vomited plentifully, and what? - bile. If is is an admitted fact that there is always engorgement in the liver in cholera (I am always only spakmg of genume cases), we coll then ansty malerstand why those who had vomited were saved, and wea whone any treatnent. If then we find such a beneficial effeet, sald a acol resut after vomitarg, we shall be induoed to follow a treat ment which has shme advecates in l'aris and in the States, without asgignug any re:ison fur its adoption. That is: Ipecacuanha in small dusic, in the brgmming, and even in collapee, if there had been no treatment imphoved and no vomiting. I have not tried the tratinent, beallw when I read about it, I found no reasun given for ite ase, and my Domplosion: were not yri drawn as they are now if we had again the mwint me. wheh I fear, wheine visited with the epidemic, I shall give it a fur trat, and repurt its results.
 obsuriatinas, and they wall, Lhave no dunde, approve of ney remarks.
A.RT. XXill.-Cose of diseased Alveolte. By Francis Cameron, M.D., Springwood, C.W.
What I eonerive to be a rather raro case of disenee, and one interestHg to the prolse:ton, occurred in my practice some years ago. Daniel Youncr, ared about To years, ensulted my medical preecptor for a ciscase (as he callud it) of the roots of his teeth. The doctor tinding it hely to prowe tedions, committed it to my charge to manage under his advice. Our putient sated that he first experienced a sureness at the routs of one or two of ins upper molar tecth, wheh shorlly aflor became quite loose, and concurently with the surervention of the dental loosencss, a purnlent dischurec set in from the gums around them. The affected teeth were $r$ enoved, a feat whech was very easily periormed, and a lotion of myrrh and horax appied to the effected gums. After the separation and removal of the discased aveolar processes, the soft parts under this application soou healed. No sooner, however, had one place healed than the disease broke out in another. It thus spread from touth to tocth in both
jaws until all the teeth were lost and their sockets destroyed. Anei this he got well, and lived for several years in confortaibe health. Per: haps some of the readers of the Chronicle would inquire, Had he taken mercuriais previonsly? I beheve not, as his health was good for a long time before. The entire perrod that the disease-took to travel-round his masticatories and disaprear, was three weeks.

## REVIEWS AND BIBLIOGRAPHICAL NOTICES.

## XVII.--Principles of Comparatite Physiology. By William B. Carpertir M.D.; F.R.S., F.G.S., Eximiner in Physiology and Comprarative Anatomy in the University of London; Professor of Medical Jurisprudence in University College; President of the Microscopical Suciety of London, \&e. \&c. With Three Hundred ahd Nine Wood Eingravings. A new American, from the fourth and: revised London Edition, 185̈4. 1'p. 75̃: Philadelphia: Blanchard \& Lea: Montreal: B. Dawşụ. 24s.

As it is clearly impossible for us, with our limited space, to give anything like a fair review of Dr. Carpenter's elaborate ald philusophical. work on conpmrative physiology; we shall merely inform our readers of the caption of the dafferent chapters into which the book is divided; and then pass on to a consideration of a new theory of the relations of Forces: that has recently been propounded by modern philosophers, and that bids. fair to obtuin a wide-spread recognition among the literati of the day. Another teason why we do so is: in works such as the one before ins, frequent allusion is made to this theory, and if the reader has not already naet something bearing on the subject, he will be at lass to comprehend the meaning of those portions of the work where reference is made to the "cor-relativu theory." Chapter i treats, then, "Or the gencral plan of organic structure and development:" Chap. 2, "General view of the vital optrations of living beings, and of their mutual refations. Thap. 3, "Ufalimbint, its iugestion, and preparation," Chap. 4, "or absorption abd imbibtion." Chap. 5, "Of the circulution of nutritive Auid." Chap. 6, "Gh respiration." Chap. 7, "Of the cahalation of
 Chap. 10 ;"Eviation of light, heat, and electricity." Chape 11,"Os seneration aad duveiopment." Chap. 12, st Of the sensible motions of living, bengs." Chap, lu, "Of the fimetions of the nervous systeme" Chap. 14, "Of sensation and the organs of the senses." Chap. 1J; "Of tae probluction of sounds iny amals."

Look where we will thronghont the universe ve pecrive phenomena no less varied than wonderful in their character. Deep in the interior of the earth we inhabit-on its wide surface, and in the atmospherws stratum that surrounds it-in the systems of words whirling through illimitable space, even to those nelinhus masses tiat mark the present iwundary of human inquiry in that circetion-resulds are constantly occurring, which man has been led to refor to oprating catses. Whenever these results are constant and invariable, certain determinate circumstances being present, the cause is termed a force. Force, then, is an aistract idea, and the term stands the representative of that something which the aind recognizes as the active ngent in the production of phenonena alseady famiiar to it. Nature has ever been a favorite study with man. He conld not, as he increased in years and the powers of his mind became evolved, remain insensible to the endless mavifestations if the beantiful that exist throughout nature's wide domain. Nor could he view umovid many of the startling changes that were ever taking phace arumed tim. For ages, however, the causes of these beauties and barnonies which delighted his senses, and the changes which filled his uniud with astonfshment, and frequently inspired him with awe or terror, were a seald d suok to him. It was not until facts had been necumulated Hy the patient and prevevering searchers into the more interior arcana of nitare, and by a process of inductive reasoning from the knowledge thas accumulaici, that he arrived at those more enlarged views of natueal phenomena which obtuin at the present day, And even now the study progresses. New views relating to matter and the forces which operate through matter are being worked out by the philosophic mind of the nincteenth century. Truly has it been said, by Baron Humboldt, the scientific Nestor of the day, that, "In ennsidering the study of physical phenomena, not merely in its bearings on the material wants of life, but in its general infiuence on the intelloctualadvancement of mankind, we find its noblist and most imorrtant resalt to be a knowledge of the chain of connection by which all natural forees are linked together, and made mutually deperdent noon each uther ; and it is the propeption "these relatious that cxalts our views and ennobles sur pnjoyments."
Lip to the present, as uur renders are awure, the phenomenu of heat, fipht, electricity, dec., have been treated of hy writeres un natura! philowiphy under the designation of " Imponderable cirmontsand Immaterial "natter;" whilst chumeal atlinity, gravintion, atiraction of pohosion, Le., were auknowledged ns forces inherent in, :nd acting on, punderable matter; and motion wity looked nion as the resultant of some force urersoning the inertio of matter, Now, however, thern is a tendency, exhabited by philosuphers, to regard all these, motion not excepted, ns no
many forces, either the manifestations of one and the same power, or, at least, having mutual relations, and capable of reciprocally giving origin to each other. Among the first to enmeiate this opinion, was Professar Paraday, one of the most profonit thiukers and successfinl scientific investigators of the age ; and Baron Hmmbidt, in his "Comos," thus disietly adverts to it:-"The history or the recognition of the unverse is wholly different from the history of the natural sciences, as given in out elementary works on phesies, and on the morphology of plants and animals. This is our coneeption of the iistory of the unity of phenomena, and of the reciprocal connection existing amonsst thic natural forers of the universe." Other physicists, Eag!ish as well as Continemal, spoke in terms no less decided in support of the same views; but, until the appearance, in 1846, of a pamphlet entitled, "Cor-relation of Physial Forces," by Prof. Grove, comparatively litte had been done to systematise the subject. In this work the writer combats for the indestructibility of furce, showing that when it eceses to be manifested in one form, it is developed in one or more different forms; he expatiates at some length upon the nature of the reciprocal relations which forets maintan each to the other, and satisfictorily sulistantiates the correctuess of that view which regards metion as a liree, cor-relative with allotir r minsmal forees; a view, maded, of which he is the orematers. We shatl men
 inge the phenomena of motion and herat to illustrate it.

That motion arrented, and coasing to exist as stach, is capable of prom ducing hoat, anil that the anount of heat developed is in a direct ratio
 the frequency of their ceanarne in our daly experance. Every mitutored sumage knows fill well that fircille fration of two dry stichs (lor
 will set one or troth on lire. Lixery machinist is aware of the neerssity that exists for oiling the opynod surfiees of herey machinnery while in moticn. He knows that if motion be not lacelitated in this way, boat in generated to stold an extent es to place any combustible substaree, of
 nition. Combt Sumberd atates that in boring a hrass cammon, the lapet making thirty-two revolutions in 11 minute, whit a pressure of 10,000 founds, stifiesent heat wais excited to inil pighte a peonds of water, in
 to prove that hnelies bever cease to sivic out beat so long as driction bo contunuch. According to Brethoile t, in the net of deruthsion devat diminishes as a diminntion of bult tahes place in the body struck. He mubmitted a pirce: of coppger to hise stroke of a coining prese, aud found that
st the first stroke 17 degrees Fahrenheit of heal were evolved, at the second 7 degrees, whilst the third produced but 2 degrees; thus proving the teuth of that which we have already stated, viz.: the amount of heat generated bears a certur proportion to the amount of resistance offered to mution.

Excitation of electricity may be realily produced by rubbing a stick of sealing-war with a sulk cloth, or a dry glass tube with brown paper, or woollen eloth covered with an annalgam of in and zinc; but, as yet there his becn no detcrmination of the ratio in which electricity has been developed in different bodies by retarded notion. "As a general rule," says Pruf. (irove, "it may be said that the development of electricity is greater when the substances employed are broadly distinct in their physical and chemical qualities, and more particularly in their conducting powers; but up to the present time, the laws governing such development have not been even approximately determined."
The electric spark; the flane produced by the rapid and forcible friction of two sticks, are examples of light produced by the retardation of motion.
The mann-t in which the force motion is succeeded by chemical affnity is exomplified in the lighting of a mateh and the explosion of a gun cap. The former is prepared with phosphorus, and the latter contains fulminate of mercury ; and the ignition of the one, and the explosion of the other, are owing to the destruction of the existing chemical combiuations and the formation of new oncs. The ammoniacal oxide of silver, and the chloride of nitrogen, violentiy explode upon the slightest touch.

Thus we see that motion, when it ceases to exist as such, originates, according to various determining circumstances, one or more of the physical forces; and the "cor-relation" existing between them may be easily established, by shewing that the different physical furces are capable of reciprocally exciting the force of motion. Thus, then, the vibration of the pendulum ; the divergence of the electrometer; the propulsion of a cannon ball, and the deflection of the magnetic needle, are all novements produced by the operation of physical forces.
According to Dr. Black's theory of latent caloric, which has too often been looked upon as an important truth in thermotics, instead of a mere hypothesis, all bodies contain a certain amount of heat existing within them in a dormant or latent condition; that is, independently of the heat by which the senses are affected, and which is detectable by the thermometer in its passage from one substance to another, ther. is heat in all bodies inappreciable to the senses, indetectable by the thermomiter, and surp
weights or equal bulks of similar substances varying in temperature be imired together, the heat of the resulting substance will be the arithwetical mean of the temperatures of the substances mixed; but, if the substances employed duffer in their natire, the result: will be different. If, for instance, two equal portions of water, one standing at 60, the other at 40 degrees Fahreuheit, be mixed together, the temperature of the mixture will be the mean, or 50 degrees; but, if one pound of mercury at 160 degrees be mixed with a pound of water at 40 degrees, the mixture will exhlbit a temperature of 45 ; so that the 115 degrees lost by the former, increase the heat of the latter by 5 degrees only. Again, to convert any given quantlity of water at 212 degs. into steam at 212 degs. an amount of heat is required sufficient to raise the temperature of the water, did it remain in the liquid form, 950 degrees; and in the reduction of vapour at 212 degrees to water at 212, the 950 degrees employed in its production are given out agan!. On facts suet as these was based the theory of latent heat. All the phenomera, iowever, are quite as explicable by the "cor-relation" doctrine, as by that view which imposes on us the necessity of admitting the unmanifested existence in matter of something whose presence is known to us only through its manifestations. In the vaporization of water, according to the "cor-relation theory," there is a conversion of heat into mechanical force; and conversely, in the reduction of steam to a fluid condition, the mechanical fore is changed into heat. The disappearance of caloric when heated mercury and water are mised together, may be accounted for by the generation of mechanical force, and possilly by the excitation likewise of electricity and chemical affinity. In the phenomena of the conver sion of a solid into a liquid, and a liquid into an criform body, a change produced by the senaration of the particles of matter through the agency of heat, we have ample evidence of the power of force-heat to originate motion.

That heat produces light is a fact so obvious to all, it would be merely superfluous to adduce anything in proof. Indeed, there is so ma.ked an aualogy between them, it becomes a question whether they are not different modifications of the same force, rather than two distinct forcet cor-relative to each other.

The operation of heat in the excitation of electricity, was first noticed in such minerals as tourmalme and boracite, in which the electrical equilibrium is disturbed by the application of heat; but Prof. Seebeck, of Berlin, discovered, in the year 1821, that when two different metals, as bismuth and antimony-platina and iron, or copper and mercury, are soldered together, and heat applied at the point of junction, a current of electricity is immodiately developed. Prof. Camming, of Cambridge,

Prideaux, Becquerel, and other philosophers, have followed Seebeck in his investigations, and we now know, that for the production of thermoelectric currents it is not requisite that the metals should be dissimilar ; and that the intensity of the current is gratly augmented by combining, as in the Voltaic pile, a series of alternations of two metals, as platina and zinc, or bismuth and copper. The most celicate thermoscope known, consists of a bundle of 36 short and siender bars of bismuth and antimony, having their alternate ends soldered together. The mere approximation of the hand to such a bundle, if one of the faces be blackened, excites a very perceptible current of electricity.

Heat, either directly or indirectly, plays a very important part in the production of chemical affinity. Many substances will remain in close contact to each other without evincing the slightest disposition to unite, so long as their affinities be not brought into operation by the intervention of heat, or some other force. Thus, the two gases, hydrogen and oxygen, will remain diflused through each other in the same vessel, maintaining a perfect distinctness at ordinary temperatures; but, if any substance in a state of ignition be introluced, their affinities are at once brought into play, chemical union takes place, and the formation of water is the result. In a communication to the Royal Society, Prof. Grove has shewn that water may be resolved into its constituent gases, by plung:ng into it an intensely ignited piece of platinum, iridium or silica; and Mr. Robertson has found that the temperature at which this is effected is - 2385 degrecs.

That heat is cor-relatively excited ly the other forecs can be easily shewn. We have alrcady adduced sufficient proof of the puwer of motion to originate heat. Chemieal aflinity, when excited, is invariably attended by the evolution of caluric ; or, in other words, is succeeded by the force heat; as when sulphuric acid and water are mixed together, and whilst coal or wood is burming. By transmitting a sufficiently powerful discharge of electricty through a piece of fine wire, it will undergo combustion; and, according to the experinents of Sir Snow Harris, metals are heated by the clectric discharge, in a distinct ratio to their conducting powers. Light commonly produces heat, and so forth.

We might thus take up the phenomena of magnetism, light, electricit! \&c., and point out instances in which these forces operate in producing, ar aro suceceded by, tho several other physical furces. Enough, huwever, has been said to give our readers an insight into the nature of the relations of different modes of force, and the peculiuritic: of the vieus propounded by the originators of the Cor-relation Theory.

We shall now examim into the relations existing between the physical and vitul turees. Wial foreen may he defincul, simply:--Furces
which operate in producing the varivus phenomena peculiar toorganized or living beings, and which cannot be referred solely to the ageney of the physical furces. These phenomena are growth, developement, assimilation, sensation, voluntary motion, \&c. All orgenized bodies, no matter how complex soever they may be in their structure, have their origin in nencleated cells. There is no appreciable difference between the germ of the lowest vegctable and that of the highest animal. The simple cell may be regarded as the type of organization; and in the development and multiplication of cells, we have an exhibition of vital action in its simplest and least complicated form. In the develup ment of a cell, the germ, by the cxercise of that powerto which the term vital has been applied, attracts to itse!f the nutrient particles of the substances by which it is surrounded, elaborates them into certain proximate principles, by the incorporation of which iut" its own structure, it increases in size. Shurtly, the cell wall, a transparent, homogeneons membrane; and the cavity, containing a fluid either limpid and transparent, or varying in tint as the case may be, become apparent. The process of cissimilation gocs on-the cell enlarges, and the fluid in its interior, heretofure apparently homageneous, now exhibits a finely granular appearance. The minute granu saggregate and form molecules of a larger size, which adhere to the side of the cell wall, from which, however, they soon become separated. After a time, rupture of the ceil-wall takes place, the numerous molecules a:e set free, and her ome in their turn the elaborators; of new cells. In some instances, however, complete development of cells occurs withan the parent cell.

If we look now to the veretable germ, we find that, to exhibit the series of phenomena which we have mentioned, certain conditions are absolutely demanded. These are, that the germ be exposed to the influenees of Iteat, Light. and Moisture. The flowerless plants belong.ng to the frosh water Alqæ, heing composed of cells whic . have an independent existence, afford the best study of cell-life, and the effects of extraneous intluences in determining and continuing zuch life. The germ of the Hamatococcus binalis, or any other of the Alge, when exposed to hight, at a certain temperature, manifests vital activity by absorbing from the water in which it is situated carbon, nitrogen, hydrogen and oxysen ; and by the arrangeraent of these constituents into combinations, which it assimilates intc its own structure, and which serve, not only for its owa sustentation, but also, for the pro'action $r$ ? new cells. The carbon is obtained from carbonic acid, and the nitrogen from ammonia ; which chemical compounds are destroyed by the vital puwer operating through the material of thif
the enture cell. Here, then, we have in the conditions necessary to the germination and growth of a vegetable, an exh:bition of the very important part which physical forces have in the production or origination of the vital furce. Omit the stimuli, as they have been heretofore called, of hght and ieat, and no manifestation of vitality will take place; or, as the adrocat ${ }^{2}$ of the correlation theory would say, the furces, light and hoat, are succeded in the germ by vital force, and in the absence of the furmer there can be no manitestation of the latter. Heat and light received the name of stimuli from the supposition that m sceds of various kinds. vianiy existed da a latent or dormant condition. This supposition lning ? ised on the fact, that secds may be kept for an indefinte period, wen hir ages, withont evincing any sigus of vitality, and yet germinate wholplaced in fawrable circumstances, and acted on by light and heat. In dee Jardin des 'lantes, of Paris, seeds obtained from the cerements of Esyptian nummies, which must have lain there for thousinds of years, germinated when placed in the soil, and ultimately yrelded incrcase. Anc after the great fire in London, in 1666, so luxuriant was the growth of a cruciferons plant, the Sisymbrium Iris, of Linnaus, that almost the entire surface of the burnt district was covered with them.

According to the new ideas, however, there can be no such thing as "dormant life," or " latent vitality." As we can judge of the presence of life only by observing changes to ensue in the body observed, change becomes an essential in our idea of life. To talk, then, of dormant life in a seed, is to say, that changes are going on in a body, where no change is taking place, which to say the least, is a very palpable contradiction. For the manifestation of vital action in seeds or plants, certain determinate physical conditions are required. So long as these conditions remaired unaltered, there will exist the proper and necessary substance for vital force to manifest itselî through, when originated by the operation of the forces, heat and light; and the only form of matter in which these forces can be succeeded by vital force. In the seeds, then, which have germinated after lying inactive during the lapse of some centuries, there is not a waking up of something already exirting in the sred; but there is the development of vital force, by the action of heat, light, and so forth, the necessary physical couditions having remained undisturbed for so long a period in the seed.

## VIII.-On the Surgical Treatment of Morbid Grncths within the Laryinx,

 illustrated by an original case, and statisticul observations, elucidating their nature and form By Gurdon Buck, M.D., Surgeon to the New York Hospital. Pp. 28.The contents of this pamphlet formed the subject of a communication presented to the American Medical Association, at its session of 1853. The case, that of a female, aged 51, which forms the basis of Dr. Buck's remarks, exhibited the following symptoms:-" She was suffering from obstruction of the larynx, attended with great dyspncea and complete loss of voice. Her aspect, as she was seated in her chair, was that of a person in perfect health, with a florid countenance and rather corpulent condition if body. Her breathing was sonorous and labored ; inspiration evidently requiring greater effort than expiration; her voice could not be raised above a whisper. She was unable to perform the act of snutfling or to expel air through the nostrils, which was a source of very great annoyance to her. Deglutition was easy, except when she attempted to swallow liquids rapidly, and then the dyspnca was increased. The larynx was the seat to which all her tromble was referred. Sometimes she described her sensations as if a lump obstructed her throat ; sometimes as if a ruffle rose and fell alternately in the larynx; at other times the account she gave of her sensations was vague. The dyspnca was aggravated by whatever tended to produce excitement, and the approach of evening exerted a marked influence in calsing an exacerbation of the sy mptoms. In the recumbent position she always required her head to be raised by extra pillows. Hoarseness, which was the earliest symptom observed on the onset of this airment, had gradually resulted in complete extinction of the voice. For more than a year the aphonia had persisted, unaccompanied by dyspncea.
"On inspection, the epiglottis was ascertained to be free from swelling, and in a healthy condition.
"Exploration with the finger could detect no swelling or other morbid change at the orifice of the larynx. The fances and pharynx were red and congested, but not swollen. Compression of the larynx externally augmented the dyspncea, and produced a very disagreeable feeling. The patient had always enjoyed good health previously, and still continued to do so, with the exception of her local ailment.
"A strong solution of nitrate of silver had been applied to the larynx, and irritants externally to the front of the neck, in conjunction with other treatment, but without any benefit."

Dr. Buck, having diagnosed morbid growths within the laryax, proposed an operation for their removal. This was, at first declined, but the dyspnoea increasing in intensity and suffocation becoming imminent
the patient finally consented. The operation was performed, April 30th, 1851, in the following manner :-" The patient was seated before a window in a low arm-chair, with the head thrown back, and the front legs of the chair raised about three inches upon tlocks. The neck being short and fleshy, the notch of the thyroid cartilage could only be ob: scurely distinguished by the touch. From this peint an incision of four inches in length was mude, along the median line downwards, dividing the skin and subjacent tissues, till the cartilages of the larynx and the three upper rings of the trachea were laid bare-the latter being effected partly by lacerating, and partly by pushing downwards the isthmus of the thyroid body with the handel of the scalpel. After the hemorrhage had entirely coased, the crico-thyroid membrane was incised, and the incision continued upwards in the mesian line with the utmost precision through the whole extent of the thyroid cartilage; at the moment of penetrating the larynx, air rushed in with a whizzing sound, and the voice became extinct. The thyroid cartilage being ossified, the division was made with strong scissors, curved edgewnse. The section was then continued downwards through the cricoid cartilage, and the exposed rings of the trachea. The sides of the larynx were stretched apart with re= tractors, and brought into view its cavity, lined by growths attached to its lateral walls.
"On the left side, two or three granules, half the size of grains of rice, hung pendulous from thread-like stalks. The remainder of the tumour was attached by a broad base, partly concealing the ventricle, and extending higher up upon the wall of the laryngeal cavity. The entire extent of the growth could not be traced, owing to the deep situation of the larynx, and the limited extent to which the sides could be separated from each other. Several portions of the tumour were snipped away, and, in cutting them, their substance appeared to be of a firm consistence, not unlike condylomata.
"The hemorrhage from these incisions was of short duration, and was mostly prevented from flowing into the trachea by stuffing pieces of sponge, held by the forceps, into the open larynx, and keeping them there eor a short time. A good deal of time was necessarily consumed in accomplishing this partial removal of the tumours, and the patient was much fatigued by the coughing excited by the flow of blood into the trachea. The flattened form of the tumours, and the breadth of their attachment, together with the depth of their situations, and the narrowness of the space within which the manipulations had to be performed, proved to be insurmonntable difficulties, rendering the entire removal of the disease impracticable. It was therefore decided to suspend farther attempts for the present. A portion of the two upper rings of the trä-
chen was remoret on either side, in order to lodere the trachea-tuln, which ras mitrohecel and secured in phace by a tape passed round the neck. Dy this arragement, rexpiration was rendered perfectly casy and conntorable. The patient displayed the most remark:hbe comrage and nimbers themprome the whote of thas very diffient and protrated operatum. When visted the same evemine, consulemath nozing of buod wat fiond whare taken face from the lewer angle of the wombel, and the viscid secretim, expectorated hrongh the thue, was alou staned with blowh. !lar reypration contand casy."

The relief ohtained from the operatom was great, hut not prmanemt. A serond :and third opreration were prriormed, and the patient died on ithe 3 d dugnt, $185 \%$.

NiN.-The Principles of Animal and Vegetable Physiulozy: a popular Treatise on the functions, and phenomena of orguaic life. By J. Stevenson Beshnax, M.D., Physician to the Metropohtan Free Huspital, de. With One Hundred and Two Illustrations on Woorl. Philadl!hia: Blanchard \& Lea. Montreal: B. Dawson. P1 234.
This book ends with these words-" Truly did Galen say-، The study of physiulogy is a hymn in honor of the Deity.' "This is assignmg to Galen what he never thought of: this man-who, for 1300 years, held back medical opinion; on a memorable occasion, after having brought to a close an undertaking in which he had been engaged, and while reflecting over what he had observed, burst out into a most truthfill strain, in which his feelings were well expressed-an anatomical descsiption was the most fitting hymu man could utter in adoration of his Creator. However, perhaps, the author thinks about that time there was so little difference between the two sciences, that when one was mentioned the other might be understood to be meant! We are not to be supposed as by any means objecting to the study of physiology being considered as equally fitting to incite our veneration, humility, and thankfulness, as the description of anatomy, but we only wish to set the author right concerning a matter of history. We most fully feel the trith of the character given to the Science in the above quotation, and we think it ought to be a sufficient inducement for persons generally to make themselves masters of it. Our lay friends can have no better little guide than Dr. B.'s princuples.

## CLINICAL LECTURE.

Cbincal Lecture on Fever-Hrpatie Complicutions. By Dr. Gordon, Physician to IFrdwaske Fever huspital.

(Duldin Hixpital Gazette.)
All writers on hepratitis seem agreed in cnmmerating it as ameng the consequences of tever, intermbtemt or comblaned.
Perfaps the most frequent alfection of time liver inft with, as a coucomitant or consequence of fever, is ginitral congathen of the organ. Its immediate canse most usinally $n$, some ghevons entor of het, and frequently booh of quantity and catity. The reguhtion of a patient's diet, when recovering from fever, is a matter of the greatest importance: the cravings fur foud are often mest mordmate, and people otherwise nost rational are often unathe to control them. As a general rule, some form utfurinaceous food muy be given early in the morning. and repeated every four hours through the day. When meat is allowed, it ought to be given not later than one or two o'cluck, and the interral between it and the next meal should be somewhat louger than usual. Whatever exercise the patient is allowed to take, should not be taken soon after thus ineal; he should rather be encouraged to absolute rest or repuse. Undne exercise after a hearty meal, as well as over-distention or stimulation of the stomueh, induces a congested state of the liver, which is recognized by the following symptoms :-great weight and fullness in the right hypochondriae and epigastric region, with some tenderness orr pressure ; alternations of nausea and desire for food ; thirst, yet a feeling of oppression or fulness produced even by a drink of water, but much more by wine of malt liquors, particularly if in a state of effervescence: another symptom almost invariably present is, enlargement and distention of the hæmorihoidal veing. Uf course we seldom hare an opportunity of witnessing the actual cendition of the liver in this affection, but we have no reason to suppose it to be different from what we obscrve in the ordinary forms of congestion of the liver, from distase of the heart, or other cause, preventing opdelaying the return of its venous blood.

Great relief is usually obtained from the recumbent posture, and the application of a few leeches to the enlarged hamorrhoidal veins, which may be repeated as often as is necessary. The bowels are usually constipated, and are best relieved by a few grains of bine pilland dried suda at night, fodlowed by small doses of sulphate of magnesia in the morning, dissolved in-a large quantity of boiling water. A wine glass full of bitter infusion, as quassia or columbi, with orauge-peel, about half an hour before dinner, will generally be tomad of great advantage. Hepatic congestion, if neglected, is very likely to terminate in chronic hepatitis.

Organic lesions of the liver are a very rare complication of the fever in this country. We have seen alseesses of the liver in this hospital sufficiently often to require its enumeration among these compheationgor sequelæ. They occur under three different circuristances:-

First.-As an immediate consequer eo of thlebitic jummat:ra

Sophia West, aged 28, a servant, was admitted into the Hardwicke Hospital, January 18th. After washing the clothes of a fever patient, and the room in which he had slept, sle was attacked with rigors, and the usual premonitory symptons of fever. She became maculated, and the general felirile symptoms were of a very lowtype: Or: the fouteenth day she complained of diarricea and great debility. On the fifteenth, pains through all her liody, referred principally to the joints.

Sixtecnth day.-Diarrhcea continues; tongue brown and dry ; palse 120 , small.
Eighteenth day.-Tain on moving het arms or legs greatly increased.
Nineteenth day.-Inflammatory patches of a darkish red hue have appeared on the occiput, right clbow, wrist, and hand; pulse irregular, very weak; diarrhcea has ceased.

Twentieth day.- Fatient delirions throigh the night; the inflammatory patches appear of a paler red; additonal ones have appeared on the left elbow and wrist, and on the sacrum; tungue and teeth black with sordes. Patient lies apmently insensible, with her eyes closed.

Twenty-first day-1'ulse 132, very weak, not so irregular ; excessive insensibility.

Twenty-second day.-Died at 10 A.M.
In the several nibumed joints was found thin sero-purulent máter; which existed also $m$ the sheaths of the extensor tendons of both forearms: The synovibl mentiratie of the differentjoints was inflamed; the lower lobe oi the left hanm was solidified, it was of a very dark colour; apparently frou suaguuzubis engorgement, but was hepatized, and a section of it sumk in water. The liver was somewhat enlarged and congested; numerous small abscesses were found in its surface and in its interior, they were very minute; surrounded by a hardened base; and not unlike softenag tibereles; in suveral ot them pusconld be distinctly traced into a conmanmeatiug vein. Alsecses in the liver, as a consequence of suppuraine jincth 1 s , are of very frequent occurrence; when arising in the conrse of lever, they seen to differ from the ordinary trinmatic form ouly in beng more rapid in their progress, and the patient beng less sensible of paill or any other annoyance in this viscus:

Secondly. - With regard to abscess of the liver as a consequence of the typhoid inflammation and ulceration of follhculat enteritis, we must agree with Chomel, who observes upon it, as an extraordmary fact, how rarely abscesses of the liver are met with in fever, considering the great frequency of intestinal ulcerations. Budd also re marks:-"I have never secen alseess of the liver noticed in conjunction with ulcerated intestine an lital cass s ityphoid fover. This lict is very striking; when we consider how prevaient and tatal typhoid ferer is; how geverally it is attended whe extursive uleeraiou o: the bovels; and how attentively all the morim apparances in this disease have been olserved and rocorded of hate yeirs m this comstry and in France."

One such case, liovever, occurred in this hospital not very long since:; Mary Ryan, a servant; zet. 29, was scut from dervis-street Hospital to the-Hardwicke, on the 11th of March, 1853, the fourteenth day of het fever. The chest and abdomen were covered with a raised lenticular eruption; she was greatly prostrated; pulse 124; respiration 30; slight
abdominal tonlerness, confined to right iliar forsa ; great thirst. The fever was empinated with bronchitis of the smatler bronchial tabes. On the twenty-ceghth day some diarrhas sit in, her tongue became dry and black; she lust all apretite for drink; the dintrhen was controlled, bat returtied. Sie continued to sink, und died on April 3rd, the thirtyseventh diy or her ilhess.
The hase pesented the usual anatomical evidences of capillary bronchitis; they were not otherwise diseased.
The heirt, spleen, and kidneys were in the normal state of health.
The liver appeared large; it was greatly softened. particularly the night lobe, which cratained a large absecss, filled with sero-purulent matter, not encysted; it might have hold a hen egg ; the hepatic substance around it was almost in a state of patrilase. The stomach, upper part of the intestinat canal, and the large intestine, were not diseased, but the ilhme showed general vascularity and extensive aliceration. Both orders of ghands were greatly developed, and there were several oblong patches of uleeration, all, however, more or less superficial.

There is na morbid condition of the fiver more frequently forind in post mortem examinatious of patients who have died offever than softening or remollissement of this organ. It cun scarcely be called a complication, for it does not seem to possess any peruliar symptorns. Louis bound it in nearly one-half of his recurded examibations. Its termination in ahscess is, hawever exceedingly rate. What infucare the ghadular, ulceration of the small intestine may have on $i t$, we are not prepured i., say; but it is beyond doubt, that abscess of the liver is produced by it dysenteric inflammation of the small intestine, as well as of the large. A well-marked case of this kind is recorded in the London Pathological Transactions, by Dr. Hare.-(Vide Lou. Fahi. Trans., vol. iii., p. 349.)

But while we acknowledge abscess of the liver to be a rare complication of follicular enteritis, we have nut unfrequently seen it among the sequela of our ordinary typhus or maculated fever. So that we may reckon-

Thirdly-Abscess of the liver as a complication of typhus fever, when there is no ulceration of the intestine to cause it, and unconnected with phlebitic inflammation.

Margaret Bradley, set. 18, was admitted into the ILard:wicke Ilospital, April 23rcl, 1853 , in an advanced state of typhus fever. She was extensirely maculated; her pulse 124, very fecble ; tongue !ruwin and dry ; complained much of cough and weight on the chest. She had the usual evidences of bronchitis of the large bronchial tubes.

On the fifteenth day the macrile had almost disuppeared, the bronchitis had altogether subsided, and the usual signs of amendment were progressing, when she suddenly began to complain of chilianess, rigors, pain in the abdomen, nausea, and loss of appetite; refised beef-ter, winc, and other nutriment which she had been taking, and of course became rapidly debilitated.

On the 5th of May, she was suddenly attacked with pain in the abdomen, referred to tha umbilicus, and fullowed hy diarrhasa. The discharges were frequent, consistod of prulent matiur mixed with blood, and were passed without any juin.

Turpentine fomentations to the abdomen.
Pills of acotate of lead and upium; one every three hours.
May 7th, diarrhcea controlled; pain in the abdomen iucreased; maueea, cceasional vomitung, alternations of chills and heat, followed by perapiration.

Sulphuric. acid. min. xv. ter in die.
8th.-Perspired profusely last night.
9th.-Diarrhara returned; comes on in paroxyams, without any pain; four or five stoofa in rapid succesaion, then a long interval; with frequent frinting sensatione, and cold clammy feel of akin.

10th-Frequent chills, followed by great flushing of the face, and general movbid heat.

11th-asdems oflower extremitiés ; profuse cold perspivation ; patient is ditily bocoming weaker. She gradually supk, and died on May 12th.

A carefur' post mortem examination showed that all the morbid phenomema were confined to the abdominal viscera. The liver was large, of a bright red colour; a section of it showed the right lobe to be exiensively atudded with abscesses of varions sizes. The largest was two inches long, with a diameter of one inch : there were four or five about this size, the remainder were very small. They all contained redulish purulent matter, but several seemed only half filted; there were many of thiem close to the convex surface, yet the capoule was.scarcely even rendered opaque; there were none of the anatomical evidences of inflammation of the serous membrane. One or two abocesses a ppeared on the point of giving way; they were gradually acuminating by a small yellow pustule, and the hepatic surface around was exceedingly dark, formiing a remarkable contrast with the general bright red appearanee of the liver; these were not encysted, but the edges of many of them weise very sharp and defined. The colon was exceedingly vascular, but not uicerated; there were one or two abrasions of the mucous membrane, but there was no thickening or elevation of the mucous menbrane around them, nor was the submucous cellular tissue anywhere exposed. 'I'here was matter lying in the colon similar to what was found in the abscesses. of the liver, and similar also to the diarrhceal discharges of the patienti(Museum, Richmond Hospital.)

The constitutional symptoms in this case lef no room for dorbt as to. the existence of an internal abscess; and the strong presumption was that the liver was the seat ofits existence, although some very decided symptoms were absent. The abdominal pain and tenderness were general, not confined to the hepatic region; there was no pain in the ahoulder - no tension or rigidity of either or both of the recti abdominal muscles; there was no jaundice-mo fullness or projecting tumour in any part of the abdomen; in fact, there was not such a collection of symptoms. is to warrant making any preliminary incision or eschar of any kind over the liver, The degree of inflammation of the colon which existed is worthy of observation. We cannot imagine, for a moment, that the entexitic complication was the first organic mischief which occurred in this cape. The patient wai, for several days, complaining of nausea, rigona, and of hor syop poms, of internal suppuration, when, on the 5th of May: diarriceasuddenly set in The charecter of this diarrhea wes very pecn-
diar, and it preseried thene pecubiarities thronghout:-it came on suddenly
 sustrd of har or hive evachations passed in sapid anceession, and then a profect aleroal of rest, with great increase of delnlaty, but relief to all



 chrges was alur pecular : with these praroxysmal evacmations, there was soldom any treulent mitter passed, hut a quantity of reddish, sero-pural-at matter, uf a horribly offensive odour. The case, then, was clearly one withons diver, immediately succeeded by abse esses of the liter.an which, as m the cases detailed by Dr. Monat, in the Report of the Regrmintal Ilumptal, Bangalore, there was a vicarions discharge of purilen matter from the mucous surfuce of the colun; the irritating nature of the matter thas discharged caused the superficial ulceration of the maculs membrane whinch was eiserved.

## THERAPEUTICAL RECORD.

## (Nashville Journal of Medicinc and Sxrgery.)

Prevention of Cholera.-Forewarned, forearmed'! Observe cleanliness! Unhealthy articles of diet, unripe fruit, exposure to the weather, and immoderate labor should be avoided at all times, but more partictlarly when cholera prevails. Take no nostrums-take a doctor. Medicines, miscalled cholera preventives! arc cholera incentives!-N. O. Med. and Sur. Jour.

Chronic Urticaria.-A severe case of this eruptive disense was lately successfully treated by Mr. Startin, at the Hospital for Skin Diseases, London, in the following manner - k. Qain. disulph., gr. xij.; am. ses-
 spoonful to be taken thrice daily.

The quinine in. this formula is undissolved, and is held in suspension by the magnesia. Mr. Startin advises the use of dilute nitric acid to relieve the itching as being equally efficacious as the hydrocyanic acid, and much less expensive.-Wirg. Merd.and Surg. Jour.
Leppus-treated with Mercury and Cod Liver Oil.-This obstinate disease has been treated successfully by the London medical profession, with combinations of mercury and cod liver oil in small doses onten repeated.
The plan of counteracting the depressing effects of a mercurial course for the cure of syphilis in cachectic constitutions, by combining the cod liver oil in moderute quantities, is worthy of notice.-1b.

Scrofula-Lodide of Potash combined woith Carb. Ammonia.-An opinion prevails at Guy's Hospital, that the efficiency of iodide of potas-

[^0]siam is mach ineresed by combining it with the carlonate of ammon bin. The promotions usathy observed are two to three grains of the iodide, with for or five of the ammonia.

The ammonia acts as a gentle stimulant to the stomach, preventing the indide from disarrecing, also, by the chemical decomposition itself leing chanerd to hitre arid, and then by combination with the bast of the salt, liber:ting the iodide in its free form. - 16 .

Tratment of Vescinlar Opacity of the Cornea.-Mr. Critchcit, of the Reyal Ophthatmic homital, recomments the use of sctos and coltr $r$
 in sabjects of cachectic condition. He declares the nse of ner rurials, deyressants, frequent leeching, \&c., only aggravates the discitir.

His treatment consists in making an isste in cach tomple and treping. th often for some montls, at the sume time allowing a gruernes dict, athe even exhibiting tonics.-lll.

Transparent Cement-According to Leuher's Belpique hedmatriole, this nay be prepated by dissolving 75 prats of caontelone in (i) parts of chloroform, and adding to the solution 15 parts of nastic.-1h.

Erysipelas-its best Eztrrmal Application-The Basin Aten and Surg. Journal thinks that Cyamurct of l'otussiun in from half to two drachms, to one pint of water, is a most usefal, if not the very best, leeal aypication for erysipelas.

To Remore Lunar Caustic Stains on the Skin, Linen, \&r.-'Tuke 1 drachm of cyauuret of potash to 1 ninnee of water, and wet the sipts. 'Ihey will be remuved in a few minntes by this solution.

## ©fie fteviral Clyronirls.

LICET OMNIBUS, LICBT NUHLS DIGNITATEM ARTIS MEDICR TUEJL.

## THE LAS'T MEDICAI SCIOOL BILL.

Shortly afer the incorporation of the " Montreal School of Medicine and Surgery," that body suw fit to present their students, for the sum of fif. teon dollars, with a parchment dooument, which they wero pleased to turm "a diplomn." This procedure, if not in direct eontravention to the requircmonts of the act of incorproration, was certainly not provided for in the bill as it oventually passerl huth Honses of the Legislaturo. The power, however, to grant diplomas, wiss sulught by the framers of tho original bill; and had not tho Legislativo Council arrested it in its pusnago, and modilied a clanso which very modesuly axsumed the right of the corporation to issug "diplomas, certilientes or testimuniuls," they wonld have had, even from the commencoment, a legal right to do bo. During the present seswion of l'arlimment, they lave made unvther edivat
to obtain this privilegr. The fullowins bill, entituled-"An act to amend ther act juerpratine the Montreal School of Medicine and Surgery", Was recently lirnotit before the llouse by Dr. Valois, and orderad tu lie read a seromad 1man:-

Whare:as in considhrat.an of the great usefulness and high character wi the Noulreal -chmol of ilediome and Surgery, it is expedient to anmend the Act paccol in lhe cergth year of Her Mijesty's remen, and in-
 surgery;" be it macted, ive, as follows:-
I. For :and notwithtathors angthiner in the said act, no member of the Corporation by the - .rid is t estabheshed, shall be considered as havmag coaced to be it momer thereof by reasou of his laving become a fermaneble resident ont wherefy of Montrat, nor shatl it be necessary
 corpuration may appoint somany protessors for instraction m the different hranches of mu inal seionece in the said school, not bemg at any time less than cight in mumber, as ihey shall decm capedient.
II. The sixth section of the said act shatl be and the same is hereby repealed; and any stadent in medicine whoshall have attended courses of lectures in the suid school of Medicine and Surgery, on the various branchey of medwal science mentioned in the twelfilh section of the act passed in the session held in the tenth and eleventh years of Her Majesiy's reign, and intituled: "An act to incorporate the members of the Medical Profession in Lower Canada, and to regulate the study and practice of physic therein," shall, after an examination, which shall be gublic before the professors of the said Schcol of Medicine and Surgery (five of whom shall form a quorum for holding the said examination) receive, if he be deemed duly qualified, a diploma from the said School of Medicine and Surgery, and thereupon be entitled to receive a license from the Provincial Nedical Board without being required to modergo any examination beforo the said Board; anything in the act last above mentioned, or in any other act or law to the contrary notwithstanding.

The oljections to the above bill are so well set forth in a petition, numerously signed by the profession in Montreal, and presented in oppositun, we give it in preference to any additional remarks of our own :-

## Petition.

We, the undersigned Physicians, practising in the City of Montreal, interested in the standing of the medical profession, beg leave to draw the attention of your Ifonorable House to a bill, recently introduced by Dr. Valois, entitled an act to amend the act incorporating the School of Medicine and Surgery of Montreal ; and against which we earnestly urge the following reasons for the consideration of your Honurable House.

1st, That the effect of the passing of such a bill would be to confer on the School of Nedicine, and all others that are or may be similarly established and incorporated, privileges restricted to universties whose curriculum is invariably fur superior.

Ind, That while the privilege of conferring degrees ad practicandum
is guarded against abuse in miversities by the supervision of a governing body, no such responsibnity und check exists in crdinary ancorpor rated schools.

3rd, 'That such a measure wou'd inevitalily tend to lowes the standard of medical education, by unduly increasing the number of licensing bodies.

4th, That the onir ostemsible reason for ohtaming this power to le specially granted to that schoos, on the plea ot ha heing a French Camadian school no longer exists, inasmoch as the Laval liniversity now uffords to students speaking the l'rench language all the privileges of University degrces.

Eth, That the pra: $\because$ a elfect of second clanse of pronosed bill would be to chable a student to ohtiain a diploma to practise after two sesoluns atte. Jance on lectures. That these sessions may be completed in 18 montus, and that the luw refulatiag the practice of medicine, 10 and 11 Victor.s, chap. 26, which renders four years' study compulsory, woi ld thareby be evaded.

Wherefore your petitioners humbly pray that your Honorable House will not sanction this bill, \&c. \&u.

## MEDICAL HEROISM.

Men have long been accastomed to associate all ideas of heroism with exhibitions of mere animal courage. To plunge recklessly into the melee of deadly strife, and, amid the maddening excitements of roar of cannon, charge of cavalry, shouts of contention, and groans of the dying, to perform prodigies of valor by freely destroying human life, is to marifest qualities which nations and individuals delight to honor in their possessor. Thanks from the associated wisdom of a "gratefu] nation"the highest titles and positions in the land-public ovations and a name in history, wait upon the successful military hero, the legalized, highly lauded, and intensely admired life-destroyer of the nineteenth century. War-war-" orur voice," in the present day," is still for war." And so will it ever be, as long as civilized nations, recreant to that Christianity which inculcates "peace on earth and good will to men," unite in placing the laurel on the blood-stained brow of him who wades deepest in the life-current of his fellows. The causes of this blind worship of glory, talsely called, are to be found in thei innate covetonsness, greed of gain, and desire for pre-eminence, which impel men, individually and collectively as nations, to wage destruction each on the other. Essentially barbaric in their nature, these influences are most potent among savage and semi-civilized communities. And there is no more certain evidence of a nation's advance in all that is ennobling to humanity, than a popular and earnest exhibition of a wish to live peaceably with all men.

Philosophers and philanthropists-the men of mind and men of heart -have, at all ages, however, recognized a species of heroism of vastly
higher character; but which the pubiic generally have held in lightes+ teem, and which has been scorned and langhed at by the mere mob, the eanaille of the day. This horcism is not demonstrative-it has no bold and glaring points to arrest the attention of the beholder-it does not dazzle his eyes by its brilliancy-it is not accompaned by pomp and pa.ana, the sound of the tamyet, the martml roll of the drum, the neighing of the war-horse-it is not : lamurms for distinction, is not heard alar off, nor does it boldy intrude oun tir untice. Quietly, unobitusively and perseveringly it pursues its coure. Of such nature is that which we call Medical Heruism. When death stalks abroad in the landwhen the pestilential breath of an cpidemic breathes destruction in every hoonsehold-when the wall of bereaved enes strikes fearfilly on the ear --when the hearis of strong men, who would in time of excitement rush even to the canmon's merth, fanl them, and terror is depicted in every countenance, who is it that remaits calm and unnoved amid all the dread and turmoil-that speaks words of encouragement and comfort to the fearfal and downcast-ithat cheerfully toils clay and night to relieve saffering humanity-who is it, in a word, that takes his life in his thand, and when friends forsare the conch of the plague-stricken one, fearlessly attends to his every want? Who! The Mrdical Hero. Oh! it is a noble sight, one that might engage the attention and command the admiration of beings superior to man, that of a physician engaged in the duties of his profession during the prevalence of a fatal epidemic. How the peaple, leaning on his every word, eagerly scan his countenance, and bless him for his unwearied care. Danger past, however, his arduonts and benevolent efforts are all forgotten; and if, perchance, he.should fall a victim to over-exertion, a martyr to a conscientious discharge of his duties, his very memory fades in a few brief days, from the recollection of those persons whose lives he has saved. No monumental marble is reared to stand the record of a people's sorrow for his death ; no " storied urn" tulls of his acts of bravery and untimely end; the historian's pen hands not $k$ is name down to posterity. Such is the ingratitude of man, and such the estimate he holds of true heroism.

## SEMI-ANNUAL MEETING OF THE COLLEGE OF PHYSICIANS AND SURGEONS, L.C.

Quebec, October 10, 1854.
The semi-annual meeting of the Board of Governors of the College of Physicians and Surgeons of Lower Canada was held this day in the City of Quehec. The following members were present:-

Dr. Holmes, President, in the chair ; Drs. Fremont, Morrin, Valois, Peltier, Marmette, Buadreau, Weilbrenner, Michaud, Marsden, Sebou-
rin, Munro, Bibaud, Foster, Jones, Sewell, Campbell, Russell, Jackson and Landry.

The minutes of the last meetiog held in IIontreal were read and approved.
The Secretary rad a leiter fro:n or. Von Imand, begging to be excused for noti-attendance on arcunat of professional duties keeping him at Grossels'c.

The Secretary phaced before the Barat the Diplomas of Messes. Sharpe Martin, Payne and Scott.
Licenses wereganted to - Sharp, M.D., of Edinburgh, and to S. A. Scott, M.D. of NeGill Culleze.

A Lirense was also oriated to sit. Misye, after an examination upon sargery, he hating diphans of mallen, pharmacy and midwifery,

Mr. Martin of Quebec fetitioned the beord fur a license without examimation. The Bont whes realy to grant the lieense if Mr. M. would conferm with the requirements.

The lhard procceded to the e'ection of two Governors, one for the District of Quebec, and one for the City of Montreal. Dr. Charest was electad for the District of Quehec, in the place of Dr. G. Miville De Cherne, deceused. Dr. Boyer was elected fur the City of Montreal, in the place of Dr. Tavernier, who hus left the Province.

The different Committees fur examination were formed, and examinations proceeded with.

The following gentlemen, after giving satisfuctory proofs of their medical education, received their licenses.

Messrs. Payne, A. M. P. Pepin, Ch. Buckley, J. B. O. Lauctot, Jacques Franchère.

The following were admitted to the stthly of medicine:-A. Petry, Ch. Faribault, A. Tetu, Draimville, D. Fontuine, Joseph Theberge, A. Givois, M. Turcot, Plamondon.

Dr. J. E. Wulff of Quebec, leaving for Eurnpe, poritioned the Buard for a certificate to prove that he had received a diphoma as member of the College, which he has lost. The certificate wasimucdiately granted. The Board then adjourned.
J. E. J. Landary, Sectotary, Distuct of Quebec.

Obscroations on Chalera.-Dr. Gutroll has published a pamphlet of 76 prages, in which he enters very fully on tho subject of cholera, as it appeared in Cincinnuti in 18t9-50. In different parts ho tukes up various disputed questions, and argnes his views with consideruble ability. He is a contagionist, and trusts ulanost soluly to culomel in the treutment of the diseaso.

Circular of the Montreal School of Medicine ani Surgery.-From this ercular we learn that the number of students who have attended lectures at the Ecianu since its incorpoation in 1815, is 2es. "Ceite Ecole," says the corporation, otfre a letudiant des avantays egsax, pour le
 sont:-
"10. L’Hôtel-Dien, Itopnal gui contient deux cents lits. On y reçoit les maladies les phas wareis. Le scrvice Charargical y at trés riche en cas de ponte mature etha ctudiant, ont uectasion sombind dy voir deo


 tion en faceur du dit Hespure. smit instrats dans len mameroves des Accouchoments, et ou tous les Melecins de l'Ecule sunt, de droit, iedecins consultants.
"3o. La Irison de Montréal, cù, glace à notre démié Prexident, in
 nombrenses et savantes. C"est un chanp rurement ellert. sirtont dans ce gays, pour simstruire sur la medecin beeale, lat fine, et atian sur tontes les maladies auxquelles l"ammed depare ent expere.
 de peéc's patholugiques et de prénratome umaturines mire grand valenr et acquises à un prix éleve, expresocincut pour l'usuge dos élèves de l'Eeole.
"Lal Billiothéque contient quelques ouvrages dinn grand prix."
Sulphur in Rain.-A correspondent of the St. Lawrence Republican, signing himself" Z. T. H.," gives the following views of the causation (f this plienomenon:-
"It is well known that Sulphur is supplied to the atmosphere in a variety ot ways, und floats there free, from its comparative levity in a state of minute division, or from its cohesive attraction with the particles of the atmosphere or other foating substances, or in a state of chemical iffinity, in the form of certain gasses. In this last state it is abundantly - uplied in the well known sulphuretted hydrogen. This gas is decompasible by electricty withont change of volume, but the sulphar is thrown flown. This is one way of accounting for the fall of sulphur during an electric sturm. There is another way. The hydrogen gas having, in sonie manaer, the sulphur in its embrace, muses with onygen gas, which is abundaxtly supplied by vegetation, in certain pioportions, is struck by an electric current, and explosion is the result; the sulphur is thrown duwn, the concussun of the explosion makes the thunder, and the bases wif the gasses, chemically united, re-appear in the form of falling rain."

Incapalle Officials.-It would appear that the anthorities in Dublin aro as munh given to talking, and as little capable of acting during an epidemic, as are those of Montreal. "We have had enough," says the

Dublin Medical Press, " of spouting, pamphleteering and reporting, and it is now high time for action; what that action shoukd be, it is not now our object to suggest; all we urge is the necessity of immediate effectual operations. It is not by sending rownd policemen with blnndering notices, threatemng faw, or circulating common-place exhortations to observe cleanly habits, or even by furnishing receipts for remedies to cure cholera, that official perple are to the exonerated from responsitility." One would imagne that Dr. Jacub was speaking of Montreal, so exactly does he hit what was done in this city during the late epidemic of eholera.

## TO CORRESPONDENTS.

T. S., St. John's, Miew Brunswick. We consider his suggestions valuable. liditurs, hovever, must allow a dittle latitude to their contributors; if they did not, they might divert the 'disparaging remarks" to themselves.—Dr. Jahnston. It is almost impossible to get at the exact ratio of mortality. Nany physicinns say they have saved 75 per cent. of the cases which fell into their hands. A few even report more favorably. The number of deaths was, we should think, on the average, fully 60 in every 100 seized. The treatment in most tavor was that which included calomel along with other medicaments_-Dr. Dumouchelle will perceive that we have complied with his request.——Dr. Codd was the first nedical genteman, out of Montreal, who paid his subscription to our first voinme. The Journal, we are happy to inform him, is to be a permanent publication.-Dr. Evans will receive our thanks for the warm interest he takes in the auccess of the Chronicle. ——Dr. Billington. We should be surprised if our old friend and bencb-mate were to act otherwise. We have despatahed the missing numbers to his adtiress.-DDr. Moore. The fault lies with the binder. We have.sent another cony.——Dr. Vincent, Malbaie. We are obliged to him for.his flattering opinjon. It is our object to establish a Journal which shall represent, the profession.in. Canada, without distinction.Dr. H. Ridley. Five or ten of you can. The more the better.-DDe. Brinton. The current journalistic.year commenced on June 1st, 1854, and will terminate on June 1st, 1855 .-Mr. A. E. Bord will accept our thanks. A new subscriber is very acceptable.

## BOOKS RECEIVED FOK REVIEW.

Meigs on Childbed Fevers. 1854. Messrs. Blanchard \& Lea. Physician's Visiting List for 1855. Messrs. Lindsay \& Blakistan. Gibb on Hooping Cough. Henry Renshaw, London. From the Author.

Lec's Lectures on Spphifitic Infection and Syphilisation. From Dr. Giibl, Lontion.
simth's Oration, "the Improvements in modern Surgery," delivered befure the Medical Society of London, at the eighty-first anniversary. firum the sithor.

Cireular of the Montreal School of Medicine and Surgery. 'Trrusuctions of the Medical Society of the State of Pennsylvania. 1854.

Cutalogues of Boolis-We have received Messrs. Blanchard \& Lea's Illustrated Catalogue, for 1854. It contains samples of the illustrations to be fomd in many of the medical works recently issued by that celelrated publishing house. Highley's Sudent's Guide to the Class Books used at the London Schools of Medicine is also at haud. We shall be happy to lend them to any of our readers desirous of obtaining such information as they are designed to afford.

## LONDON CORRESPONDENCE.--No. 3.

(Continued.)
Spina Bifila, a new plan of treatment by Mr. Paget.-From the peculiar nature of this affection, owing to the almost invariable implicationof the spiual cord, or its nervons branches, as have been satisfactorily shown by Craveilhier, Staflord; Prescott Hewitt and other writers, we cannot expect that any surgical operation will ever prove successful, unless in certuin cases in which the nerves of the cord have no connection with the sac of the tumor, or where very few branches are in connection' with it, or where the tumor may be so small that its opening of communication with the spinal caral is in accordance with the size of the tumor itself. Of 20 cases examined by Mr. Hewitt in various collections, only one war free from contact with the spinal nerves, and Cruveilhier again beleves, from his dissections, that the connection between the tumor and the nerves is constant. This testimony, of course, invalidates very much against operative procedure. We shall find, however, on seference to the medical journals, that cases are occasionally cured, and many modes of treatraent have been adopted with or withou: success; I may mention, for instance, pressure by means of a hollow pad or truss, puncturing the sac, ligature around the tamor; injections of iodine, removal, or any of these combined. Dr. Brainerd, of Chicago; U. S., cured 1 out of 4 cases by the iodine injections, and Velpean and Chassaig-
nac have teatad ease with perfet success he the same tatatmot, un
 certin cases chitr the ln st, and, in fact, the only means of care.



 listal head, stimeted ove ale lower dorsal and upper hmbar vortbre. A sub-chancons limature ras pased aromb the hase of the thmor, with
 fastened to two India rubler strats, whinh crossed the sboulders, and
 ter passed arombl the chest. It aymars that pressure upon the tumor does not in any way affect the ccrebral functint of the child, and Mr. Paget concludes from this and other reasons, that the opening of commonication between the eyst and spinal eord most probaily is very small, and therefore favorable to the oneration. His olject in aplying the ligature under the skin, and fastemng the ends to the Indhe rubuer strans, is to permit of the thread cutting its way out, and thus isolating the cyst, a result likely $t$. happen in about 14 days. Should this succeed, he will be prepared to pertorm another operation for the removal of the eyst . Cnder any circumstances, this disease is almost always fatal, and the present operation is merely an experiment which suggested atself to his mind, and he believes it may prove successfinl. Should it not, we are still at liberty, he says, to try something clse. The child was not put under the inlueuce of chlorofurm, which I candidly think was a great omission.

Since the foregoing was written, the irritation and pain from the ligature became so great us to cause the child much suffering, which ended in death four days after the operation.

The Cholera.-Two months have claysed since my last letter, and that time has been quite ample enough to develop the presence and progress of this fearful disease. The deaths for the last seven weeks, ending salurday the 26th nugust, have been respectively 5 , $26,133,399,644$, 729 and 847. Now these numbers may appear to be high, aud to havr rupidly increased; but they are less, comparatively, than thos of 1843 , and the per centage in the ratio of the population is very smail. In comparison with Montreal, the disease has raged with greater virnlence: in that city than in Lumion. Ot the total number of 2783 deaths ior the 7 weeks from choiera, 893 have occurid under 15 years of age, and as many as 1706 on the sunthern banks of the Thames, and low grounds of London. The deaths from diarnlea and dysentery for the 7 weeks hare beea 908 , which, ulded to the nunber from cinolera, makes a total of 3751:

 futhic and profession, to arrest the frenumitory symptoms particubary. Sulfituric acid has heon recommondel hy I)r. Feller, of st. Cicurge's


 water, and of the mixture thre e tablencemiti', shonld be given as a dese. sumethmes he adds a drachm or ball a drathm of chloric ethor to every allernate dose of the medieme; and ceresionally at the ontset of the attuck. iwo grs. of opinm maty, com!med, it may be, with five grs. of rabmel. After the first stase he never gives opium. In the ordinary cholerace dharrhea three or fun doses of the acid mixtore, at intervals of half an hour. wat fonerally be sulheient for a core. In the conformed choleri, a dose at the adm mistare is given every twenty minntes, antil wrath remarns to the ratremutus and culor to the lips. The chloric - lar added to cacin done of the maxture is extremely serviceable, if toberatal ly the samach. ant, as the symptoms subside, the medicine shond he seven at longer and Jonger intervals. Conjomed with the ireatment, is a nustard pualtiee to the pit of thestomach, frictions to the extrmatios, and inmedately after each act of vomiting a duse of the masture. In cascs of collanse, he commences the treatment by a b-isk mustard emotuc. Within Dr. Fuller's experience six doses have always frowd suticiont to cilicet a cure, but he wonld not continue it beyond tie canith donc. This pidin of treatment, I may obscrve, has been extensivesy used an the bu!tio with success,

Isr. Ileury Walsera hl, Surgeon to the House of Correction, for thirty yt.r., recommends the folluwing:-jss. scsquicarbonate of soda in a wine ghasslul ot strong mint tea, prepared from the fresh vegelable; or, if not at hand, one drop of the essential oil of peppermint diffused in the sime quintity of water, and repeated every haif hour. He has seldom reyuired to use the dose more than three times without the sickness and charrhea being arrested. While under treatment the diet is beef-tea, Well seasoned with salt and perper, cocoa and arrowroot; nothing solid is allowed while the diarrhou continues, even the bread is withheld. (Int of 400 cases in 1851 , not one was lost ; and latterly, upwards of 150 ill ie population of 1500 persons were attacked, with the same results. The simplicity of this treatment is a strong recommendation in its favor.

Bufure concluding this letter, I should wish to draw the attention of the Guvernors of HeGill Cullege to what has always appeared to me is great omission in the Medical Faculty of the University. I allude to the want of those chairs on suljjects necessary to enable a siudent to prepare himself for acimission into the army, -hese are, criai .ative anatomy,
or natural history, botany, practical chemistry, and natural philosophy. I admressed a memorial in relation to the first of these to the canut of the College, as far back as Feb. 183̄1. Now, at the present moment, if a graduate of MeGall Cullege, who has been educated in conformity with its statntes, presents hanselt in Isondon before the Army Medical Board, the first thing that is done is to see if his courses of lectures are in accordance with what the Board requires; if not, he must go and complere them, at the same time taking his st egical diploma from one of the three Colleges of Surgeons. This may prove a matter of seriars ineonvenience and loss of time, more particthlarly during the existence of a state of war. The surgical diploma can be obtaned immediately, but the courses of leotures will require months to complete, and hetany is never entered unon in the winter season. These remarks may be better understood if I merely mention that Dr. A. M. Corbett, very shortly arrived from Canada, is in this pusition. I may be excused for giving his name, but as he is likely only one out of the many who may widn to enter the army hereafier, it really hecomes a matter fur the Governors of the University to seriously take into their consideration,-whether they will place it on the same footing in respect to the additional chairs is the schools of this country, or whether they will still adlow their graduates to be the sufterers. With respect to the gentleman whose name 1 have mentioned, I shall observe, that if his courses of lectures had been complete, his appointment would have been almost immediately obtained.

## MEDICAL NEWS.

The distribution of prizes to the graduates of the Ghstetrical School of Paris took place: 24 th Jone, under the direction of Paut Dubois. The tirst prize consisted in a yold medal; and was awarded to Miss Monnier, from the department at Seinne-et-Oise.- $A$ doctor out West writes to the editor of one of the westem papers-" 1 do not care a fig for the good or bad opinton the Emperor Nirolas, Queen Viclory, Supiter, or Satan, may torm of m. I un I, Dr. Ricardo, and I owe not a cent to nobody."-A family in East Cambridge, conn-sisting of a man, his wife and two children, were taken suddenly ill on Wednesday of last week, with symploms of cholela, and all died within forty-eight hnurs.-Dr. David $\mathrm{B}_{\text {: }}$ Hawikes has been appointed post-master at Cbarlemont, Mass.- 2350 persons have died from cholera in New York City the past season.-Dr. W. R. Wilde has been made surgeon oeculist to the Queen in Dublin, out of respect for his literary merits.-Yellow fu ver is sinevailing at Galveston, Texas, and many otber of the large towits and cities of the South.i4 persons died on board the packet-ship Harvest Qureen, on her passage from Liverpool to New York. - The Southern Christian Advocato says:-"At Anguste, Dr. Henry F. aud Robert Campbell hisve established an infirmary for negroey. This inslitution is cummendable for its benevolence, and will conduce to a more careful and thorough investigation of the diseases peculiar to the negro zace."-lt is complained that the wounded at Alma were denied the benefit of chloroform. 3500 were wounded, or six per cent. of the allied armien--The want of medical assiatance in the fieet before Sebastopol is described as deplorable. 1600 sick were sent back to Constantinople, the ship all bot cinking from the cargo. Disconsolate doctors are described as going about wildy looking for water os bede for the mick. Many of the sick noldiers foll dead of futhgue.


[^0]:    - Med-Chic. Reyiew, 1838.

