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Vor.. II.

## DAVID ALLISON, LL.D.

On the death of the late Rev. A. S. Hunt, Superintendent of Education for Nova Scotia, considerable anxiety was felt by the friends of eduoation in that Provincs concerning the solection of his successor. And rightly so, for there are few offices within the gift of the Provincial Governments of such importance as this, inasmuch as the incumbent has practically charge of the education of the people, his policy being, as a matter of course, adopted by the authorities and enforced by his large staff of inspectors and teachers throughout the country. When it was first rumoured that the President of Mount Allison Wesleyan College, Sackville, had been offered the appointment, the anxiety was changed to hope that he would accept, and the official announcement of his induction to the pffice was hailed with a chorus of congratulations. It was universally felt that the Government had made a wise choice, and had selected a gentleman capable of managing the educational aftairs of the Province with zeal and ability. The secular and religious papers were for once unanimous in their approval, and President Allison entered upon his dutios with welcomes from all quarters.
The new Superinteudent is just forty-one years old, having bsen born in 1896, at Newport, Hants County, N. S. He received his early education at the grammar school in his native village and proceead thence to Dalhousio Sollege, at that time, 1852, conduoted as a Provincial Academy. From Dalhousie he went to the Wealeyan Academy at Sackville, N. B., to which he was to return in later jears as President of the College and other institations of education. Fizaving thas rrepared himself for college, he followed the Arts' course at the Wesleyan Oniversity, Middleton, U. S., taking his degree of Bachelor of Arts in 1859, and of Master of Arts in 1862. His career at. the Oniversity attracted the attention of the Sackville authorities, who appointed him, in 1800, Professor of Classics in the Academy, and two years later presented him to the classical chair in the College, a position he held for seven years, discharging its daties so efficiently, and proving himself so able a teacher, that ho was elected to the Presidency of the College in 1869. Victoris University, Cobourg, Ont., conferred apon him in 1874 the degree of Doctor of Laws, and when the appointments to theitSenate of the University of Halifax
 in Each school distriot may have a board of commis sioners, appointed by the Council, and each school section has a board of trustees, composed of three members elected by ratepayers. The duties of trustess are, summarily, to provide school privileges, free of oharge, to all residents of five years of age and upwards who wish to attend; to employ licensed teachers for not less than five months in the jear, or, if the section is poor, not less than three months; to visit the sehool four times a year and be present when it is inspected, and to report annually. The teachers are required to pass an examination in writing, the exsmination being more or less severe according to the grade of certificate sought to be attained. The highest grade is the A or Acsdemic license; followed by B, first-class; then C, D, and E, the lowest. There is need of
improving the attainments of the teachers in the Province, though taken as a class they are fairly well postod in thoir work; still, as thoir oharge, the education of youth, is of the most rosponsible anture, it is important that thoy should be in every way qualifed for their work.

The sohools are divided into common sohools, county academies and special aoademies. 'l'he two latter are much of the same class and are intended to act as high schools, a duty which, in somo cases at loast, they have but inuperfectly fulfilled. The Normal School, located at Truro, gives a ulassical edrnation and trains teachers for their work and for examination for che various grades of licenses. Tho oity of Halifax has been set apart as a separate school section, governed by a board of thirteon commissioners, seven of whom are appointed by the Government and six by the City Council.

The colleges are the next step upward, and are all aided by grants from the Provincial Treasary. They are: King's Colloge, Windsor, the oldest in the Proviace; Acadia, Wolfville; St. Francis Xavier's, Antigonish ; St. Marys, Dalhousic, and IIalifax. The Presidente make an annual return to the Supezintendent of Edusation, but beyond this there is no governmental supervision whatever. The University of Hulifis is the Provincial University, and ns work is merely to examine, and after examination grant degrees to candidates presenting themselves, whether from any of the colleges or not.
As a system it is simple enough, but its value for good must largely dopend upon the energy, capability and tatent of the Superintendent of Education, whose administration of the law must be efficient if the schools and academies are to come up to the mark. There is every reason to look forward to groat progress in education in Nopa Scotia under the auspices of President Allison.

## Gleamings.

## EDUCATIONAL APHORISMS.

The following are selected from the new Cyclopredia of Education, published by E. Steiger, of New York:

> DISCIPLINE AND GOVERNMENT.

Correct thy son, and he shall give thee rest; gea, he shall give delight unto thy soul-SOlomon.
He that spareth his rod hateth his son; but he that loveth him chastereth him betimes.-Solomon.

No father inflicts hie severest punishment, until he has tried all other means.-Seireca.
A priacipal point in education is discipline, which is intended to break the self-will of children, in order to the rooting out of their natural tendencies.-Hegel.

Thers is one, and but one fault, for whioh children should be beaten; and that is obstinaoy or rebellion.-Loclie.

Beating is the worst, and, therefore, the last means to be used in the correction of childron.-Locke.

The shame of the whipping, and not the pain, shonld be the greatest part of the punishment.-Locke.

No frighted water-fowl, whose plumage the bullet of the sportsman has just grazed, dires quicker beneath the surface, than a child's spirit darts from your cye when you have filled it with the sentiment of fear.-Mann.
A school can be governed only by patient, enlightened, Cluristian love to the master principle of our natares. It softens the ferocity of the savage; it melts the felon in his coll. In the management of children it is the great source of influence; and the teacher of youth, though his mind be a store-house of krowledge, is ignorant of the first principle of his art if he has not ombraced this as an olemental maxim.-Evercti.

Angry feelings in a teacher beget angry feelings in a pupil; and if they are repeated day after day, they will at last rise to obstinacy, to obduracy and incorrigibleness.-MIamu.
The evil of corporal punishment is less than the evil of insub. ordiation or disobedience.-Mam.
It is tho teacher's duty to establish authority; peaceably, indeed, if he may,-forcibly, if he must.-Page.
There are asually easior avonnes to the heart than that which is found through the integumonts of the body.-Page.
-A teacher who meets, and in a dotermineir way, grapples with every difficulty, is soon recognized as the "ruling jower of the
realm," and her wishes will no longer bo questioned. As a general rule, troublesome coses need not bedecided at once. It will bo bottor for all concerned if a little time bo taken for thought. Occasionally an ambitions young girl will carry this principle too far, and try to conquor by physical furce pupils larger and stronger than hersolf. Such an endoavor may ond in tho teacher's victory ; it will be more apt to bo concluded by a most disastrous defeat. We aro all coming to believo in the "still small voice" rather than the earthquake or whirlwind.
-Remomber that the pupil imitates your faults of voice, manners, and conversation. If you read in a drawl, taik slang, or aro blustering and svaggering, your manner can bo seen in tho pupila. A branch in which you are not interested will not incerest your pupils.-River Fa!!s (Wis.) Journal.
--A Michigan farmur puts it rather suggestively, whon he writes to the faculty at Yale Cullogo: "What are your torms for a year? And dues it cost anything extra, if my son wants to learn to read and write as we!! as to row a boat!"
-Already the new English system of public school education tells favorably on the public mutals. In illustration of this the Loudou Stunday Sciool Chronicle quotes Mr. Wethorheada, governor of Holloway Prisou, as sayng that "the number of juvenile criminals has stoadily diminished, so that in place of 136 males and twentg-one females sent to that prison in 1863, there wero in 1876 unly twenty-eight males and no females." It pays to look ifter tho children. It is cheaper to educate them as scholars, than to punish them as criminals. A school-house custs lese and does more for the public protection than a jail.-S. s. Times.
-Amoug the many crueldisciplinary measures, invented by indolence and incompetence on the part of parents and teachers, nono is more reprehensible than the use of harsh zoords. . $\mathrm{In}_{i}$ the shape of sculdings, they merely prove that the educator has lost patience and lacks self-control ; in the shape of violent revilings, they give evidence of inner coarseness and want of humanity; as threats, they are the weapons of a despot, who is too cowardly or too indolent to use his power of punishment; and in the garb of sarcasm or irony, they are manifestations of a character, whuso malice is powerful erough to press even intellectual refinementinto its service. In all cases, they are the out-croppings of a faulty or vicious disposition; they are, therefure, mable to lead to virtue, but will planf. and nourish in the mind aill hearts of their young victims evil gerims of hatred, and stifio or dwarf the growth of germs of love. - The New Education.
-In a recent roport of the Now York Society fur Improving the Condition of the Poor it is recommended "that the right of suffrage be denied to every individual receiving relief for himself or family from the public funds, as a proper check upon the spread of paunezisin." It sertainly does appear that permanent pauperism is getting to be about as respectable as industrious independence.Harper's Weekly.
One Way.-" Boys may go out," and thereupon occurs a rush for the door, on the very simple principle that to stay in one second after this permission would be a sign of cowardice, and that to be the last one out would be a confession of weakness. When the signal is given to "cume in," the reverre process takes place. Only those who are afraid-with the exception of a fer pho mean to be "good" at all times-make any haste, while to come in the last is a point of both independence and honor.
Another Way.-"Ready for recess." at once books are put aside and books made orderly. At a signal all stand, and in that order pass quietly to the door, each takes his cap from tho peg and all pass quietiy into the yard or street without pushing or shouting. The aignal for returning is given. At once all form a file in front of the door or hall, pass quietly into their seats, the one whose seat is nearest the door passing in last. All enjoy the recess better and como to think more of themselves and of their teacher bacanse they have behaved like human beings.-School Bulletin.
-At a schooi-woard examination the inspector asked a boy if he could forgive those who had wronged him. "Could you" said the inspector," forgive a boy, for example, who had insulted or struck jou ?" "Y-e-s, sir," replied the lad, very slowly, "I-think-Icould;" but he added, in a much more rapid manner," "I could if ho was bigger than I am."

# SUPPIEMMENTT TO 'TEIE Canada School Journal. SPECIMEN PAGÉ FROM FEBRUARY NUMBER, 1878. 

## DAVID ALLISON, LL.D.

On the death of the late Rov. A. S. Hunt, Superintendent of Education for Neva Scotia, considerable anxiety was felt by the friends of education in that Prorince concerning the selection of his suecessor. And rightly so, for there are few otices within the gift of the Provincial Govervments of such importance as this, inasmuch as the incumbent has praetically charge of the education of the poople, his polioy being, as a matter of course, alopted by the authorities and enforced by his large staff of inspectors and taachers throughout the country. When it was first rumoured that the President of Mount Allison Wesleyan College, Sackrille, had been offered the appointment, the anxiety was changed to hope that he would acespt, and the official eamouncement of his inductron to the office was hailed witi a shorus of congratulatious. It was universally felt that the Gcvernment had made a wise choice, gnd had selected a gentleman capable of managing the edn. cational affairs of the Provinoe with zeal and ability. The secular and religious papers were for once unamimous in their approval, arad President Allison entered upon his daties witi welcomes from all quarters.

The new Superintendent is just forty-one yeurs old, baving been born in 1886, at Newport, Hants Coanty, N.S. He recsived his early education at the grammar sehool in his native village and procoeded thence to Dalhousie College, at that time, 1852, conducted as a Provincial Academy. From Dalhousie he went to the Wesleyan Academy at Sackville, N. B., to which he was to return in later years as Pxtsident of the College and other iustitutions of education. Having thas prepared himself for college, he followed the Arts' course at the Wealeyan University, Miduleton, U. S., toking his degree of Bachelor of Arts in 1859, and of Iraster of Arts in 1862. His career at the Oniversity attracted the attention of the Sackville authorities, who appointed him, in 1860, Professor of Olarsics in the Academy, and two years later presented ! im to the classical chair in the College, a position he held for seven years, discharging its duties so efficiently, and prowing himself so able p teacher, that be was elocted to tho Presidency of the Colloge in 1369. . Victoria University, Cobourg, Ont., rnaferred upou him in 1874 the degree of Doctor of Lanibs, and wien the appointments to the Senate of the University of Ealifax were made, be was chosen ono cf the twenty-four original Follows. In the Sonate he had s iurther opportanity of showing his porvers,


and he proved himself $a$ hard worker in this new sphere of usoful. ness.
Prosident Allison will find abundant employment for his administrative talents aud varied aohievements in the Education Office. As Secretary ex-oficio and mombor of the Council of Pablio Instruction he will have to act as the Government's adviser in matters educational, the duty being the more reaponsible that, in view of the constitution of the Council, it is possible there may, for a series of yeara, net be a single educationist, as the Council of Pablio Instraction is simply the Executive Council of the Province under another name.
It maty be of interest here briefly to sketch the eancational system of Nova Sootis as it now exists. The Coancil of Public Instruction is the head of the эxeontive and has the appointment of inspeotors upon the recummendation of the Superintendent, the regulation of the expenditure of rhool grants, of the lecation, construction and coatrol of county soademies, and the appuintment of the foar Proviloial oxaminers. The Superiuterdent has to supervise the inspectors, to inspect the academies, to hold teachers' meetings, to roport on the qualifications of teachers and on the management of schools, and to see generally that the law is properly carried out. Next to him come the inspectors of schools, one for each connty; their principal daty being to act as clerks to the boards of commissioners, and to inspect, twice a year; every achool and academy in their cuanty.

The schools are divided into common eshools, couniy aordemies and speoin academica. Tin. 1: mal School, located at Truro, gives a olassical oduca tion and trains teachess for their vork and for examination for the verious grades of licenses.
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If teachers would perform their work with the greatest facility a:ld teach with the greatest'efficiency and success, they must use the best Text Books.


DR. McCAUL.



GOLDVIIN SMITH, IM.A., LL.D.


THEODORE H. RAND. M.A. D.C.L.,

S. S. NELLES, D.D.. LL.D.,

President Dtctoria University.





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Chy Ganàa siblyol foumal.
TCRONTO, FEBRUAR", 1878.
"The Pacific School and Home Journal," a very ably conducted monthly magazine, lately copied from the columns of this journal the papers on Botany, Physidogy and Zonlogy for first, second and third class teachers, set last July. In doing so it spoke as follows:
"The following questions from the Casaba Scemor Joumal, which came to us a few weeks since for the first the will undonlt: edly prove of specina interest to uur teachers. Tue Jounsation an excellent publication, every page of which demonstrated, to our eatigfa , tion at least, that our California school system is not yet quite i .orfection; and that we can learn much from other States, and from none more than Canada."

In Chicago, as the junior classes were much overcrowded, the Board unable to build a sufficient number of new schools, and the half-time system not satisfactory, the Schonl Board is trying a new plan in schoel organization. Two schools are tanght by two different teachers in the same room each day. The first assembles at $8.30 \mathrm{a} . \mathrm{m}$. and remains in session till $10.30 \mathrm{a} . \mathrm{m}$. The second meets at $11 \mathrm{a} . \mathrm{m}$ and remains till 12.30 p . m . The first re-assembles at 1 j . m . and closes at 3 p . m., when class two returns ated continues till 4.30 p . m. The only trouble in connection with this phan is likely to arise from one class assembling while the other is in session. This would only be a serious difticulty, however, at 3 p . m., as the half hour allowed at other times should be sufficient.

Professional Reading by Teachers.-A School Bund in the Western States recently advertised for "a teacher who took an educational journal." They were wise. The fullowing sentiments are expressed by Hon. Mr. Wickersham, State Superintendent of Pennsylvania, on this subject. They are worthy of general attention :-
"Can much be expected of the tenchers of a county or city not one of whose names is to be found on tho list of subsernbers for any paper or magazine published in their interest? What mast be thought of a Superintendent of Schools who is satisfied to allow the teachers in his jurisdiction to totally neglect all professional reading? What can he expect of them? Is imprrvement in the achools possible? Let some of our Pennsylvania Superintendents inquire how many educational papers and magazines aro taken by the teachers to whom they give certificates. Let thom also find how mony books they have read, and what books they are reading now. If they do not diecover some fects that will astonish them, our statistics are at fauit."

Inspectors would do a great deal for the advancement of professional ability and spirit among teachers, if they could only induce them to icad more professional works and periodiaals. More professional libraries are needed. Third class teachers especially should re.d curefully a few select works on education, and it is to be hoped that the Tegislature may soon extend to those whu sneceed in passing the County Model Shools the privilege of purchasing a limited number of such books, on the same condition as that allowed to Normal School students in buying text books, viz.: at half price.

Since our last issue the report of Mr. Justice Patterson, the Commissioner appointed to investigate the charges made against certain members of the Central Committee and others connected with the Elucation Department, has been given to the public. The charges were (1) that there is within the Central Committee a "ring," the members of which have dishonorable relations with the publishing house of A. Miller \& (Co, and (2) that in the prepration of examination papers in comnection mith the Pubic and High Schools there has been collusion between members of the Central Committee and other parties interested in the work or the result of the examinations. The Commissioner concludes a long report, in the course of which he carefully and acutely analyses the testimony with the following expression of opinion :-

- The clonr result of the whole evidence in my judgment is that. neither charje has any support from affirmative proof; that the charges have not beni nllowed to be disposed of as simply unproved, but that both have been conclusively rebutted."
"Pupll Teachers" in England.-The school inspectors and other educational writers in England are calling attention to the very serious defects of the "Pupil Teacher" system of training trachers. They claim thric the results of the system as carried out at present aue evil, both to the pupils taught and the teachers trained. The Saturday Review says:
"The fauli of the system is that it supplies schools with inofficient teachers, and that it tends to make this supply perpetual. A hay or girl only two or three years older than the scholar cannot teach as weli as a trained master or mistress; and a master or mistress whose time during training has been largely occupied in tenching instead of in learning, is not likely to teach as well as one who has been ontirely occupied in self-improvement. In theory, all the teachers in elementary schools ought to give their whole time to themselves until they are qualified to give their whole time to others. Ii they have to teach when they ought to be learning, the inevitable result will be that neither process will go on as well as if it had been carried on independently of tive other. If the pupi-toachers do their work well in school, they can have very Iit le time or onergy loft for qualifying themselves to pass oxaminations. If they are allowed to mako preparations for examinations, their work in school is probably very imperfect."

The School Managenent Committee of the London School Board have recommended the establishment of special schools for teaching and training candidates for teachers' certificates. The plan reconmended is somewhat similar to our own County Model School system.

## THE STATE OF EDUCATINN IN ONTARIO.

A short time ago the Report of the Minister of Education for 1876 was submitted to the Ontario Legislature now in session, and from it we glean a few facts tending to show the
direction in which we are moving. Before placing these before our readers, however, we call attent:on to the great interest manifested by the House in educational matters, and to the general solicitude on both sides of it to keep them free from what seems to be regarded as the sinister influenco of party politics. l'assing over the implied satire the members thus indulge in at their own expense, we camnot but regard this disposition as a favorable symptom, ana to express the hope that making the Education Department a Bureau of the Administration may turn out to be the means of elevating the tone of yolitical discussions rather than of injuring the canse of education itself. In the course of the Debate on the Address many of the members spoke their minds freely on the subject, and ventilated the grievances of their constitients. The lutrs noirs of the rural districts seem to be the Public School Inspectors, whose mpleasant duty it is to eniore the Regulations when the people of any section refuse to carry them out of their own accord. It is noticeable, however, that the complaints on this score were much less bitter than they were last year, and that most of the improvements effected by the Act of 1877 were rec ived with much favor everywhere. Now that most of the sectious have been supplied with new schoolhouses and fair educational appliances, the pressure will no doubt relax, and at no distant day we shall find all causes of complaint eutirely removed. In this connetion we wonld retind ratepayers everywhere that a goo? deal of the heart-buaniag and irritation which have made themselves apparent during the last five years, might have been to a great extent avoided by the establishment of township Boards of Trustees, and the consequent equalization of school burdens.
The Legislative Grant for Public School purposes in 1876 was $\$ 249,956$, and the sums raised from local sources-the principal part of it being by direct taxation-amount to $\$ 8,149,699$ more, making a total iarger than that of the year before, by $0,29,201$. In 1860 the total receipts from all sources amounted to oily $51,324,272$. The total expenditure for all school parposes $w 1876$ was $\$ 3,006,456$, a slight increase over the previous year. The amount paid for teachers' salaries was $\$ 1,838,321$, being an nverage increase of $\$ 7$ per male teacher, and of $\$ 8$ ver female teacher. While the total number of children of setrool age was increased by the addition of 1,167 , there was an increase of 13,559 in the number attending school, and 18,909 in the average attendance, which was 212,483 . Of the 6,185 teachers employed, 2,780 were wales. The number of first class certificates was 241 ; second class, 1,201; third class, 3,688; County Board certificates of all classes, 562 ; interim certificates, 493. The number of schools hept open was 5,042 , au increase of 208 over the previous year, and 4,178 were opened and closed with prayor.

The number of Roman Catholic Separate Schools was 167, an increase oi 11, and the total receipts were $\$ 106,483$. The number of teachers was 302 , and of pupils 25,294 , an increase of 92 aud of 2,621 respectively. The total receipts for High School purposes amounted to $\$ 321,181$, and the total expenditure to $\$ 804,943$, a decrease of about $\$ 27,000$ in each
instance. The number of High Schools was 104, and of pupils 8,511, the latter showing an irorense of 199 over the previous yenr.

## KINDERGARTEN IN MODEL SCHOOLS.

All intelligent, practical educators acknowledge that the Kindergarten system of Froebel has elements of great value, that had been overlooked entirely by the educational workers who preceded him. It is the true basis of all that is good in other systems. A knowledge of its principles an:l a practical exhibition of its methods throw light upon all other correet principles and methods. Even "Object Teaching" is comparatively dead and non-effective withont it. It is well known that the children in junior elasses are generally taught by the most inexperienced teachers. During the time when the human being is most exsily moulded, when positive teaching may produce the best, and negative teaching the worst results, the child is left in charge of those who know nothing, or next w nothing, of its nature, its capmbilities or the method of properly and harmonionsly developing it. It is quite natural that a demand should be making itself folt in many places for a change in this respect. This felt weakness, doubtless, had much to do with the mprecedentedly rapid spread of the Kindergarten reform, so that within twenty-five years of the death of Froebrl his system was introduced into every country of Europe, and had engrafted itself upon the national public school systems of several of them. In the United States also, the system is rooting itself deeply and widely, not simply as a private institntion but as part of the Public School system. There are now five training schools in America for Kindergartners, but perhaps the most hopeful siona in this connection is the fact that in some of the States the Kindergarten is in--oduced as a part of the Model School taining of teachers for Public Schools. This is the case in Ohio ; Calfornia is about adopting the practice, and the Pennsylvania Schenl IIournal congratulates the people of its State upon the fact that the "West Chester Normal School has as Principal of the Model School a regularly trained Kindergarten teacher, and for the past two years the graduating classes from this school have received systematic instruction in the essential principles of Kindergarten teaching." The effects of such training caanot be over estimated. Both the Glubre and the Mreil have lately taken considerable interest in this question, and their editorial opinions are worthy of serious attention. The Globe remarks:
" What is most wanted is the introluction of Kindergarten principles into the methods of all teachers of youag children, n. $\mathrm{a}^{3}$ even of advanced pupils, because, these being natural principles, their application does not stop with the years of infancy. Thn establishment of County Model Schools affrrds an admirahle menns of iniroducing ticese principles to the notice of young teachers and teaching throm how to apply them in thoir own schools. It is quite true that mest of the Model School masters are themselves unacquainted with this beautifuil system, but if ncquaintance with it is made, as it certainiy will some day be made, a sine qua non of Model School Mastershin, this difficulty will soon vavish. The food of new ideas we have already spoken of will inevitably leave those who refuso to learn stranded high and dry, 'to point a moral and adorn a tale.'"
The Mail says :-
"Eveu if the Findergarten does not become immediately a part of our school system, the teachers in our schools ought to bave the
opportunity of acquiring some knowledge of Froobel's plans of managing and developing childhood. Revolution in the methods of disciplining and teaching now employed would follow such $\mathfrak{n}$ privilego. It is a well-known fact, and one much to bo regretted, that the junior classes iu our schools are gencrally placed ia clarge of the most inexperieuced tonchers, so that tho puyils during their most plastio poriod are taught by those who have the least knowlodgo of their wants, and tho proper mothod of supplying them. This condition of things would be much improved, now that ant beoond class toachers are compellod to attend a Normal School, by introducing the Kindergarten into the Provincial Model Schools. The Toronto Model School is more than self-sustaining at present, and would undoubtedly remain so if a Kindergarten wero established in connection with it. More observation of the working of the aystom by second class stadents would do grest goon, especially if the system wero briefly oxplained to them by lectures.'
It is to be hoped that the time is not far distunt when the suggestions given may be acted upon both at foronto and Ottawa Mnelel Schools.

## $\mathbb{C}$ ontributions and Correspondence.

## PHYSICAL SCIENCE AT JUNIOR MATRICULAMION.

> BY J. E. BRYANT, B.A.

To suggost improvements or chauges in any scheme that has boon carefully elaborated by mon of experience, and adopted by the proper authorities, is probably a thankless, and perlanps a useless task ; but thinking that what I have to suggest is founded upon real knowledge of the facte iv the case, and desirable on many grounds, I open the questiou, hoping that if what I have to any does not commend itself to $t$ ) goced sense of those who have the control of these matters, it will at :uast obtain from them or from others a satisfactory refutation.
Our High Schools have become the principal feeders of our University, and the work done in the High Schools is to a great extont directed by and modelled upon that which the University demends from its matricnlants. High School authorities recognizing this fact, and attaching a proper importance to $i t$, have so arranged the High School programme that a pupil pursaing it, is at the same time, as far as he goes, preparing himself for tho University. But unfortunately, only a very small porcentage of High School pupils pass to the University. In addition to University matrisulation, the High School programme must provide for instruction in the non-professional side of first, second, and third olass teachers' examiuations, especially of second cluss. So much is this the case, that p.obably one third of the pupils attending Eigh Schools are intending to obtain certificates to teach. Moreover the High School programme must rake provision for those who do not intend to pass into the University or enter tie profession of teaching, or one of the learned professions. Roys are to be fitted for the sale-room, the counting-house, the work-s'lop Very many du not care to obtain either a university or a profes. sional education, and properly enough. But they wish,-they are anxious to obtain the best education this limited time will allow. Thoy wish when they leave the High School nt the age of fifteen or seventeen to have acquired some knowledge that will be useful to them in life, that will be a busis on which they can build for themsolves ; scmo experience in method which will be to them $\Omega$ aseful anstrument in procuring knowledge when solhool days are over. Eviry man has leisnre to do some roading, some study, but the orizinal direction, the first steps, have often been missed by those most anxions to improve.
The lingristio element in the Eigh Sobool carriculnm is no doubt proper, desirable and very useful, and if carried to its limit, afforde some training in method. Bat it has to meet with opposi-
tion. Many boys do not like it, and more paronts. The great in. teres.o, .ud 1 way say, the great probloms of life, aro contred in subjects to which a knowledge of herature mud lnugunge (at lonst such knowledge as is procurable at scliool) hrings no fats, nud but a very imporfect method. 'The material advancement of the ago is too intimately connected whin tho principles and facts o! scionco for these later to remain iguored in ILgh School work, or tho work of any branch of our elacational system. Our youth who do not look forward to a professional career have a right to ands from their instructors such knowledge of the eiementary principles mad leading facts of nature as may bo overtaken at school. Again, there in a lange element of our High School population which has no outlook of profession or career hefore it. Mayy girls finish their ontire scholastic oducation at High © hools. Many also obtuin most of it thero, aud ouly go away to bearding schools in citics to obtain those accomplishments and those social advantages which such schools afford. Tho proper wants of these must be satisfied by the High Selool programue. They should have that elementary instruction which will bo practic.ally useful in after life; useful in the sense of euticing study, aud furming a sutficient fomadaation for future building. Such a programme as has beon hinted at, I believe the High School auth rities bave afforded. Its range is wide enough, its elasticity free enough, its philosophical construction decided enough. We have the Lower School work leading up to the Intermediate Examintion, crobracing pvery requisito subject. Again, a boy or girl finishing the Upper School work ente:s life with such a broudly based, and at the same time, well filied in, fommation of knowledre, as will ensure, if proper diligeace be added, a captal edncation in any department of knowledge to whick his su! sequeut study may be applied. But it is the difficulty of gettug this Uppor School work donel There is no difficulty as far as the Honour work of the University Matriculation and the Upper School work coincide. In English, in Modern Lauguages, in the Ancient Languages, in Mat: amatice, and in History and Geography, the Uuiversity class and the Upper School pursue the same course. But in alt thoze subjects constituting group "E" of the High School programme, the proseribed courses of the University and High School differ. In othor words, the Uuiversity asks from its matriculants no knowledge of Chemistry, of Chemical Physics, of Butany, of Physiology, or of any branch of Physical Science whatever. Now the work done by the University olass in a High School, determines the intellectusl status of the school. The University pupils are frequently the brightest ; they are the leaders in the school sociaty, their industry and attention give clanracter to every class in the school. And pupils who would be very willing to take these subjects includeat in group " E ," and who ought to take them in justice to themselves and their parents' wishes, are hindered from doing so because of the prejudice agsinst it in the minds of the Oniversity pupils; for properly enough these latter are excused ly the High School scheme from taking the Science course in the srhool programme, because it is not required at their University oxamination. Again, when the Intermediate and second class examilations are passod, there is no examination beyond, escopt the University Matriculasion, which the Upper School papils are oxpected to attend ; in fact, no hononr or success can be aceredited to a school for its work done in, the Upper School except upon the results of a University examination. (I have omitted the examination for first class toachers, because, first, ithe number of candidates will always be very limited, and, secondly, heoause as far as it goes, the Upper School worl is coincident with that required for first class.) The consequence is that the time table of the school is made to bear especial reference.to matriculati $J$ n requirements, to the exnlusion, of course, of instruction in seience. The departmental masters are
all anxious that their pupils should succeed at matriculation, nad thoso pirpils wishiug to take Physical Science, or to whom it is just that Physical Scienco should bo taught, are neglected. It so results that all the science taught in many schools is the Chomistry rerpuired for the Inter mediate or second class.

Now if the Uni ersity roquired for its Pase Matriculation such a knowledge of Chomistry as is included in group " $E$ " of the Lower Sohool, and for its Honour Matriculntion such a knowledge of Physical Science as is set forth in group " $E$ " of the Uppor School, there would be that complete harmony between the High School programme and the University ourriculum that is desirable.

Agnin, in the now suheme for the examination of women, established by the University, if the Cnomistry and Noturnl History of the second examination wore placed in the first exnmination, so that young women in the Upper School could pursue stadice in Science contemporancously with their other studies in the first examination, or which is the same thing, in the Upper School, there would be still greater harmony, and tho University would be but discharging its proper function as patron und bead of our educational system.

Now to this it cannot be objected that it is lowering the standard of University education; if anything, it is raising it. Nor that it $i_{s}$ impracticable, fur in many schools it is already doue, in spite of the above-mentioned discouragements. Nor do I think it can be urged on the part of the Uaiversity that it is impracticable un account of the incomputency of teachers, or inefficiency of apparatus. I think I may safely affirm, and I have no doubt my affirmation cuuld bo confirmed by that of many High School masters, that the elementary work in Scienco-that is, the work covered by group " $E$ " of the High School programmo-caa be, aud is, as well done in many Hugh Sohools as in University College. Is not this likoly, when in many of our best schools instructic 1 in Science is given by gold or silver medalliste in Science from the University of Toronto, or other universities? I have no doubt, also, if a comparison could be made between the papers given in by pass students in Chemistry, of tho first and third years in the University of Toronto for the five years euding, say May 1876, aud the Intermediate candidates for the years 1876 and 1877, in the same subject, the disadvantage would not be with the later. Still further, the first course in Physiology given by the professor in University College, has been just as well given probably a dozen times in many of our High Schools, and that in spite of the inducements masters are open to, to let it alone. Now I mean nu disparagement to College professors. It is no fuult of theirs, if by the roquirements and policy of the University, students are allowed aud invited to come up to college with little or ao knowledge of Science. Surely these men, if no others, will bestir themselves and seo that if possible they sacure their fair share of well prepared pupils. Pupils pass into the University well instructed, woll drilled, and well tested, in Classios, Mathemntics and Modern Langıages, but with no knowledge of Physical Science. The consequence is, and bas been, that in the University there is a prejudice against this branch of knowledge. The cultured and well trained student looks wi i disdain on that department of the University which is thought so easy of acquirement that no preliminary preparation is necessary. But tinis puerile projudice cannot remain in these times. The value of Scienco is too well established now-a-days to be in danger from any class objection. And as regards competent instructors, it certainly would not speak well for the teaching and traning influence of our University for the last twenty years, if its honour men in Science are not to be thought competent to teach the elements of their own hnnour suhjects. When the University is beginning to supply herseli whll her uwa puitesto, it is too late to contend
that she camot supply competent teachers in the olements of Scienco. If it is to be said that to teach Science properly, the oxperionce of professors is necossary, could not the same remark be made in regaril to Mathematics and Languages? What would bo said if it wero thought necasanry for correct instruotion in classics that students at college should commonce with the alphabut? And yet tho alphabet of Scienco has to be loarnod at college by most students, and the first yoar's work in Physiology. Butany 'hemistry, and to a great oxtont Mineralogy and Geology, is simply tho work of a good upper form at sehool. I remember a remark of Professor Wilson, in an address concerning the establishmont of a college for wumen, that " no dignified name will make that a collogo whioh is morely a sohool, or doos but the work ot a school." Now, will any one venture to assert that tho firat torm's work of the professors in Natural Histury, in Botany, in Mineralugy, in Goulogy, aud in Chemistry, in University Collego, is not nere school worle?

Now what is contended for?
1st. That the University should ask for Pass Matriculation, an elementary knowlędge of Chemistry, Physiology, Botany or some kindred sulject. Chemistry seems fittor than the others, becauso it is already on the Lower Sohool programme, and is fairly taught in most schools.
2ad. Thit fur Honours at Matriculation one of the options should Le a more intimato knowlodgo of that subject in Physical Science chosen fur Pass, aud an olemontary knowledge of, say, two others.
8r.l. That in the oraminations for women suoh changes should be made as would be consonant with the above.
4th. 'That the scheme of soholarships at Junior Matriculation be so altered that proper encouragements be afforded to students intending to take an honour course in Soience; a department so unpurtunt as to lead the funnders of University Colloge to establish fuur prufessurshaps in itw interest, and to induce tho present Government to build now apartments for its use.

## ENGLISH LITERATURE FOR THIRD CLASS TEAOHERS.

CRONWELL'S EXPLLSION OF THE PARLIASEAT-FIPTH DOOK, PAGE 213. BY D. S. PATTEHSON, N.A.

1. By a word or two, characterize the extract-What gualities of the good historian does Dr. Lingard possess?
2. Name the principal historians of England, montioning the period of which each treats. Enumerato the difierent subjects, which should receive a share of attention from the historian, as ho writes the history of a nation. Which, in your opinion, arg thie more important of these?
3. What advantages are there in making the historical charactera speak? Turn the several speeches into the form of indirect narration and contrast the effect.
4. From your knowledge of Cromwell, show that his speeches, given in this prssage by Lingard, are consistent with his character. How do you account for the seemingly irreverent allusions to the Almighty? Are they only seemingly irreverent?
5. "At this eventiul moment." State precisely the position of affairs of state in England at this moment.
6. Cromwell says to Harrison, "This is the time, I must do it." What is the significance of these words? (Ans. H. advised C. ugainst haste. Cromwell here vindicates the suitableness of the time he has shosen.)
7. "You are no parliament." Why was it "no parliament"? (Ans. It was raurely a fraction of the House, eighty-three of the fire hundred and six.)
8. "The Lord doliver me from Sir Henry Vane." Why was Cromwell so bitter against Sir Henry? (Ans. He disapproved of the "purge" of Parliament which Cromwell had effected and at that time retired into private life. Ever after he clashed with Cromweli's views, and to the end was an infiosible republican.)
9. "No poser under heaven can dissolve them but themselves." In ordinary circumstances whose prerogative is it to diasolre Parliament? When was this Parliament diszolved and wbo dis-
solvod it) Distinguish adjournmont, prorogation and dissolution, when appliud to parliamont.
10. Big-What is the exnct corresponding word derived from Latin?
Lobby-What does this word moan when used as a verb?
Speakor-Show the fitness of the name, although appliod to one who by virtue of his office is provonted from speaking his mind. (Ans. It is his duty to convey to the foot of the throne the viows and sentiments of the House. He is thus tho mouthpiece of Parlinment, which, in its turn, is the representative of the poople.)
Parlinment-Dorive and nccount historically for its foreign derivation. (Ans. "The root of the word is the Fronch parlor-to speak-a fitting derivation for the name of a deliberative and ropresentative assembly. The word was first applied to assemblios under Louis Vil. of Franco in the 12 h century. It must be remembered that, although the namo is dorived from the French, its principal features, ure of native growth."-Prof. Wilson.
Prevented-The modern use of tho word is not its c-iginal meauing. For example, what does it mean in the two following sontences. "Prevent us, O Lord, in all our doings with thy most grucious favor." Book of Common Prayer. (Ans. To stipply what is needed beforehand, to anticipate the desires.)
"We which are alice shall not prevent them that are asleep"-Now Testament. (Ans. Go buforo or precedo.) lllustrate by short original sentences tho primary and secondary neanings of the words cardinal, hamor, impertinent, board, ordeal, let and dainty:
Peculation-Derive and give its meaning.
Mrece-What is it, ind what is its uso? Dorive the worl.
11 Give synonymes for "erentful," "composedly," "taudatory," "werm," "apostatized," "apparently," \&c. Distinguish when you can.

12 Give homonymes for "suit," ", worsted," "address," "passion," "their," "plain," "placo," de. Distinguish in meaning and use.
13. Derive, showing the furce of the derivation," "consequonces," "suit," "worsted," ""whispered," "gradually," " purses," "mterrupted," "door," "solecting," \&c. (Consult a standard Englioh dictionary.)
14. Make a list of the words of Anglo-Suxon origin in any paragraph.
15. Write biographical notes on Harrisom, Sir Henry Vane, Algornon Sidney, and Bradshaw. What Sidnoy is famous in Englishl Literature? What rolation to Algernon? (Ans. grindunclo.) What did he write and in whoso reign did ho livo? How did Milton honour Sir Henry Vane? (Ans. By writing a very beautiful and complimentary sonnet to him.)

Notes.-Harrison, an Euglish regicide, a colonel in the parliamentary amy, advised Cromwell against hasto in dissolving Parliament. Charles I. had been told that Harrison had been appointed to assassinate him. On telling his suspicion to Harrison, the latter replied that Parliament would not strike the King secretly. At the Restoration in 1660 he, with nine others, was executed. Algervon Sidney fought gallantly at Marston Moor, served. well in Ireland, acted as one of the Judges of the King; but did not sign the warrant for his execution ; declared it afterwards to be "the justest and bravest action; was a voluntary exile for eighteen years, discontented with the government of a singlo person. A charge of complicity with the conspirators of the Rye-house plot was laid againgt him and the illustrious Lord William Russell. The only evidence produced was garhlod extracts from a thecratical work of his on gove nument. He met his death " with the fortitude of a stoic."
16. "A plain suit of black cloth." Describe the characteristic Puritan costume of the days of Cromsell. Contrast it with that of the royalist Cavalier.
17. Lingard, the Catholic historian, has been accused of palliating the Bartholomew massacre, and of blackening the oharacters of Elizaboth, Cranmer, \&c. Can we charge the Protestant historians who write on the same event with prejudice and perversion? If so, why? If not, why not?
JULIUS CESAR-FIFTH READER, P. 476. BY T. C. L. ARJISTRONG, M.A.

1. Write a short sketch of the life of Shakespearo, of Julins
2. Scenc-fromm. What aro the main divisions of a drama called? How many are thore? ('an youl give any oxasplos of staso directions 1 Why aro thoy necessary in drana?
3. What aro tho chief varieties of dramas? Nimo tho playe uf Shakespeare fonnded on k-"man History.
4. What aro the churucteri of a drama! What aro characteristic actions, speeches, etc $\{$ Cumparo these two suceches as such and also as to stylo.
5. Paraphrase tho following :
(1) "Consure nu in your wisdoun."
(2) "Hsâ you rather Cusar voru liviase and de all slaves, than that C'usar were deme, to live all froomer. ${ }^{\prime \prime}$
(3) 'I'hu question of his denth is ourollod in the capital.
(4) "Nuw lies ho thero and none so poor as do him reveronce."
6. Many words in Shaiospeare's tine wore used "literally and gencrully that are unw used figurativi!' and particularly" oxplain what is meant by this? Account for the changu of meaning.
7. Give the dorivation and the literal nud urdinary meanings of the following words and indicate thour force in tho text: Audience, lovers, offendel; mule, cuforceds lnory, grievulus, musters, resulved, spirits, commons, disproce.
8. Deriva,-Mutiny, ransom, coffin, napkin, fault.
9. Point out and oxplain what is peculiar in each of tho folluwing :
(1) "Those that will hoar mo speak lot them stay hore."
(2) "If any, speak; or him have I offonded."
(3) "Sa"o I alono, t 1 Antony have spoke."
(1) "When that th: roor havo cried Casar hath wept."
(5) "Methinks there 3 much reason in lis sayings."
(6) "This was the most unkindest eut of all."
10. Quote examples of apostrophe, pun, alliteriatoon, motaphor, self-deprecistion, irony, sarcasm, trope (or invorted epithet).
11. Writo notes on: "REnvious Casca," Cuasar's angel, dine of pity.
12. Writo notes on tho following: Forum, Cupitol, Lutpercal, Pompey's statue.

13 Was the death of Cresar advantargeuns or not to tho Roman Ropublic? What was there peculiar in tho intornai condition of Rumu that made the line
"،'sihen that the poor have cricd Casar hath wept,' a strong point in Antony's favour ?"
What in their history made the refusal of the "kingly crown" peculiarly pleasing to the Rumans?
14. What is meant by sententious and periodic as appliod te stylo of composition? Quote examples of both from the extract.

## 

Cominunications intonded for this part of the Jourval aliould be on sopar ato sheots, written on only one sido, aud properly yagud to provent mistakes. ALERED BAKER, B.A., EDTROR.

## THE DEFINITION OF A CIRCLE.

A definition in Geomeiry shouid ascribe to the objoct defined no pioperty which, from the rest of the definition, may be proved to belong to the object; otherwise there is redundancy in the definition. Thus wo do not defino an equilatoral trisugle as that which has three equal sides and three equal angles; for, though its angles are equal, yet this follows from the fact that its sides are equal by Prop. 5, Bk. I. Nor do we define a parallelogram as a four-sided figure having its opposite sides parallol and equal; since tho equality of the sides may be shewn to be a consequence of the parallelism (Prop. 84, BL. I.) Let us see hon' far the definition ci a circlo fulhis the above condition. It will be observed that three properties are ascribed to the figure:
(1). It is plane figure.
(2). It is contained by one line.
(8). All straight lines from centre to circumference are equal.

A little examiantion will shew that only the first and third of these proporties are made use of in Euclid, until we arrive at Prop. 2, Bk. III, wherethe second property is proved in part by shewing that no part of the circumference can be convex to the centre, and Creinr, and of Antony.
that no part can be a straight line. The proof of this second property is completed by Irop. 16, Bk. III, where, by shewing that the tangent at any point is at right angles to the diameter through that point, it in effect is proved that there cannot be two tangents to a circle at the same point which aro not in the same etraight line. or do not coincide. Fuclid seems to have intended that the part of the definition of which wo speak should bo merely explanatory.

In the definition by the term circle is avidently menat the space enclosed by the periphery; in the thirl postulate, the use of the expression "at any distance from that centre" would seem to imply that by circle is meant circumference only.
The word "semi-circle" assumes that a dinmeter bisects the circle. This may be proved by supposing the part on one side of the diameter to be furam about the diameter until it rests on the other. Then, if the parts do not coincide, draw a radius intersecting them, and we would have two radii of the same circle unequal, which is impossible.
From the definition we may deduce many conclusions in referenco to the form of the figure, withont employing any of the propositions. Thus the circumference camnot tend in one direction, curve back, and then tend in the origimal direction (like she letter $S$ ), for then we wonld have radii of unequal length. Any point at a less distance from the centre than the radius lies within the circle, icc. The strict logic of Euclid's method, however, requires us to use in the text only such conclusions as he draws for us. Thus when proving Prop. 1, Bk. I, we are not supposed to know that two circles can intersect in only two points, this being proved in Bk. III, and consequently, for all we know to the contrary, there may be more than one equilateral trinngle on the same base and anme side of it, though this would be negatived by Prop. 7, Bk. I. In the following proof of Prop. 8, Bk. I, taken from Lardner's Enclid, it is prematurely taken for granted that two circles intersect in only two points: "Let EFD be applied to AlBC. Then, because EF is equal to Al3, the point $F$ must be in the circumference of a circle having A as centre and $A B$ as radius. For the same reason, $F$ must be on a circumference with centre $C$ and radius $C B$. The vertex mest, therefore, he at the point where these circles meet. But the point $B$ must also be at that point; wherefore, \&c.

It will be found an excellent exercise to require papils to point out the defects in definitions of the circle from which something essential has been omitted, c.g., "A circle is a plane figure, \&c., and is such that all lines drawn from the centre to circumference are equal." "A circle is a figure, \&c." This last might be a figure, not plane, described on the surface of $a$ sphere. It is well slso to draw the attention of scholars to tine essential points in the definitions of other figares, and to require them to point out in what respects, so far as their definitions are concerned, the circle differs from the triangle, squars, ellipse, \&e.; also to state what figures possess the first property given in the definition of a circle, what the second, what the second and third, sc., the general object being to conrey clear notions of the purposes of definitions, and of the essontials of good ones.

## NATURAL PHILOSOPEY.

secono class and intermediate examinations.
The-Two Hours and a Galf.
Eramincr: J. C. Giastas.
Nute.-Camidates in order to pass must nakic at least $0 \underset{\sim}{2}$ marks on this paper, and at least 180 marks on the group-Natural Philosophy, Chemistry, and Boal:-kreping.
Faluer.
3

1. Define force.

4
(a) What is meant by a force of 20 lbs?
(b) Two forces of 8 lbs . and 15 lbs . respestively act at a point $p$, in directions perpendicular to each other. If the 8 lbs. force be represented by a horizontel line $A B$, two inches in length, how muat the 15 lbs. force be ropresented?
2. State the parallelogram of forces.
(a) What would be the magnitude of the resultant in question 1 (b) ?
3. Apply the triangle of furces to obtain the conditions of equilibrium of a heavy body on a sinooth inclined plane, the power acting parallel to the plane.
(a) A weight of 915 lbs. is supported on a smooth inclined plane by a puwer acting parallel to the plane, the reaction of the plane being 900 lus. Find the power which, acting horizontally, would support the weight.
4. State the condition of equilibrium of moments.
(a) Two boys, weighing 70 lbs . and 90 lbs. respectively, play see-sam, sitting 15 ft . apart on a plank weighing 40 lbs. How must they share the 15 ft . to balance each other, the centre of gravity of tho plank being nuid-way between the boys?
5. State the conditions of equilibrium of parallel furces.
(a) What would be the pressure on the fulcrum in question $4(a)$ ?
6. Define specific gravity.
(a) A body weighs 6 oz. in a liquid of sp.gr. .9, and 10 oz . in another liguid of sp. gr. . 8 ; find the weight of the body.
7. Describe the common hydrometer.
(u) If an hydrumeter sink in pure water to within 4 ins. of the top of the $s^{4} \mathrm{em}$, and in a liquid of $s p . g r$. . 9 to within 3 ins. of the top, what is the sp. gr. of a liquid in which it sinks to within 2 ins. of the top?
8. Descrite the common barometer.
(a) Explain the principles of its action.
(b) The mercury in a barumeter at the surface of a pond stands at 30 ins. At what height will it stand if the barometer be sunk 4 ft . 3 ins. in the water, sp.gr. of mercury being 13.6?

## NATURAL PHILOSOPHY.

1. (a). A force which, acting vertically, wonld sapport a weight of 20 lbs. (b). By a line perpendicalar to $A B$, and 85 inches long. 2. (a) 17 lbs. 3. (a) 167.75 lbs . 4. (a) 63 and $8 \frac{1}{4}$ feet. 5. (a) 200 lbs . 6. (a) 42 oz. 7. (a) Let $\mathrm{V}=$ vol. of hydr. in cubic incles, $\alpha=$ area of section of stem; the $V-4 \alpha=$ vol. of water displaced, $\mathrm{V}-3 \alpha=$ vol. of first liquid displaced; and these vols. are equal in weight; $\therefore \frac{\sqrt{ }-8}{\sqrt{-}-4} \frac{\alpha}{\alpha}=\frac{10}{9}, 18 \alpha=V$. Henco $\frac{V-2 \alpha}{V-4 \alpha}=\frac{11}{9}$. and sp. gr. in $\frac{9}{11}$. 8. (b) 383 in.

## 革ractical emaration.

Querics in rolation to mothods of tachiag. discipling, school managomont,


## HOW TO TEACH PLAIN SPEAKING.

## П. <br> (Omissions continued.) <br> R.

This is a very important letter. It is perbaps the most influential letter in the alphabet. Great care is required in its atterance. It is ofton the last lettor which a child learns to sound properly. It is one of the most difficult to teach to one who has a defect in articniating. It is by some trilled too mach, and by others it is not trilled at all. It ought never to be utterod too roughly, but requires more trilling before than after a vorel. As frequently sounded it produces merely a continuation of the vowel sound thas precedes it. It is thus made to take in speaking the place of a dot in music.

Thus Far becomes a lengthened fa.

| Forn | " | " | fen. |  |
| :--- | :--- | :--- | :--- | :--- |
| Turn | 4 | $"$ | $"$ | tun. |
| \&c. |  |  |  | \&c. |

Amongst the worst errors arising from the omission of $r$ are the following:

| Barl | for Barrel. | Nothen for Northern. |
| :---: | :---: | :---: |
| Chembuz | " Chambers. | Paticula " Particular. |
| Flowuz | " Flowers. | Thust " Thirst. |
| Fust | " First. | Wuss " Worse. |
| Gal | "Girl. | $\underset{\text { Forwud }}{\text { Forwad }}\} \text { " Forward. }$ |
| Hashly | " Harshly. | Onwud " Onward. |
| Hoss | " Horse. | Febuary " February. |

Double r's are especially difficult to articulate correctly without a straining, unnatural effort.

Cause. Allowing the tongue to he too low in the mouth.
Remedy. Pronounce the syllable fa dwelling on the sound ä. In doing so thy tongue will remain in the bottom of the mouth with its point against the lower incisors. After dwelling on this sound for a time suddenly roll the point of the tongue upwards and backwards towards the centre of the roof of the moath, continuing the same sound. Direct the outgoing sound over the point of the tougno and a correct $r$ will be produced. Having practised soveral similar words as directed for fa, repeat the following: A rough, ragged robber ran over Mif. Ararat on a rocky road on the 4th of February, 1444, in great terror.

$$
\mathrm{T}
$$

This letter may be rogarded as the twin brother of $\dot{x}$. It requires the same arrangement of the vocal organs in its formation, and the instructions givon for the correction of the omissions of $d$ will also apply to the omissions of $t$. In sounding $d$ nnd $t$, the stream of air issuing from the lungs is intercepted or shut off by piacing the point of the tongue against the gums of the upper incisor teeth. The only difference between the two stoppages is, that in the case of $d$ a part of the air or sound that has been stopped by the tongue is allowed to pass out through the nasal openings, while in the case of $t$ the stoppage is complete. This causes the expulsion of the latter letter with greater force than the former, and also mases stammering more common in connection with words beginning with $t$.

The most difficult position in which $t$ can be placed for articulation is before final $s$, as in the words consists, exists, acts, insects, precepts, \&c.

$$
\mathrm{K}, \mathrm{~N} \text { AND TET. }
$$

$\begin{array}{llll}K & \text { is often omitted in the word asked. } \\ N & " & " & " \\ \text { " } & \text { " } & \text { " jucernment. } \\ T h & " & " & " \\ \text { " words months, thelfth, fifth, \&e. }\end{array}$ vortel omissions.
Whea an obscure vowel forms an entine syllable it is frequently omitted.

## Examples.

| Literry for Literary. | Sevral | for Several. |
| :--- | :--- | :--- |
| Reglar " Regular. | Probble " Probable. |  |
| Rhetrio " Rhotoric. | Confedracy" Confederacy. |  |
| Histry " History. | Individyul " Individual. |  |
| Victry " Victory. | Anxilary " Auxiliary. |  |
| Mcmry" Memory. | \&c. | \&c. |

The omission of an obscure vowel often reduces the number of syllables in $x$ word oven when it is not the only letter in a syllable. The other letter or letters attaoh themselves to those which precede or succeed them.

## Examples.

Travler for Travellor. 'Tomporry for T'emporary. Neighbring " Neighburing. Accompnimont "Accompauiment. Hetrogeneous " Hoterogeneous. \&o. \&ic.
It will be interesting to notice that these vowels are genorally dissolved in tho liquids $l$ and $r$.

Final el and eut are troublesome syllables. The e is freyuently suppressed when it ought to be sounded, and nearly as frequently sounded when it ought to be suppressed.

| miscellaneous omissions. |  |  |  |
| :--- | :--- | :--- | :---: |
| Considubly for Considerably. | Nomative for Nominative. |  |  |
| Cap'n | " Captain. | Tolable " Tolerable. |  |
| Nessry | " Necessary. |  |  |

## GEOGRAPHY IN JUNIOR CLASSES.

HISS BERTEA SIMS.
The subject of geogra; by, properly taught aud carefully studied, is one of the most important branches of our school curriculumboth to teacher and pupil.

Its province is vast as the universe of which it treats. It furnishes the inquiring mind with exhaushless information, relating to this wonderful world in which wo live. The earth-its motions, seasons, climatos, provinces, physical features, peoples, animal life, vegetable world-falls within the pruvince of its investigations -nay further-Geography in its widest sense, should be more than a mere memorizing of names and incidents. By directing tho attention of tho pupil to cause and effect, to those circumstances which necessarily form antecedont and consequent, the study of geography becomes a high mental exercise. It trains the memory, enlarges the conceptive faculties, aids the understanding. When wo reflect upon the immensity of the world itself; the millions of human beings with which it is peopled; the animal and vegetable kingdom; the direct and indirect influences which nffect climate; the effects of mineral wealth, soil, and climate, upon the occupations of the inbabitants of different lands; how all these distinct parts fit into one another, and form a great harmonious whole; how that "each thing in its place is best," and above all that "the earth is the Lord's and tie fallness thereof;" I think I am right in saying it shonld tend to deepen the religious instincts of our being.

Of course, such a compreheasive riow of the subject belongs to the pupils of our senior classes, and tize advanced stadent, but, the little people of our junior classes will, we hope, some day form the boys and girls of oursenior classes; and we, who are their teachers, mast seo to it that they are ready for the position, when the position is ready for them. . Thus if a pupil in a senior class is to learn the influence of a country's physical furmation on its climate, productions, or commerce, it is ovident that he must primarily know what is understood by sach words as bay, gulf, moantain, river, commerce, climate, productions, \&c.
Speaking roughly, the ages of the pupils ranging from the 10 th to the 7 th dir. of our city schools (i.e.), from the first to the second book (inclusive), will be from 5 to 30 years. The perceptive faculties during these years are in active operation. The child is ever on the alert, both to see and to hear somo new thing. His vocabalary is constantly increasing. What better time can present itself for the jucicious teacher, in which to arvaken in a child's mind an interest in this wondorfully interesting sabject;-to develop in his mind, the idcas presentol by those technical terms, which bo will afterwards meet with in his stady of geography;-to make him feel that this much-sbused subjeot, is not as it wero a modern form of heathen mythology, bat a real tangible something, which he is earning involuntarily every day, and which can beapplied to haman
life and occupation? Mr. Calkins, in his excellent work, give some plain practical suggestions on this subject. He says:-"Com mon-sense principles are ofteu violated in commencing the study of geography. Onr text-books generally take the child first to the heavens, to things entirely unknown, and end with home and things familiar. It is this that often makes the study so uninteresting and useless. The child is thrown beyond the range of his mental powers; we try to make hin grasp the unknown through his powers of reason and abstraction, when he requires to feel his way leaning on his perceptive powers. We wish to see this gulf bridged over by a system of oral lessons, adapted to the mental capabilities of the pupil. It is the aim by such a course to exercise the pupil's. observing powers and by showing him the nature of geographical knowledge to lay a foundation for succeeding stages. With certain oasual facts obtained as data, the learner largely anticipates those that are dependent."

Before proceeding to the discussion of methods of teaching geography to junior classes, I may be pardoned if I make another quotation, this time from the immortal Pestalozai :-
"Train the child to observe for himself.
To discover for himself.
To do for himself.
Develop the idea, then give the appropriate term."
I would lay particular stress on that phrase "develop the idea." Developing ideas is, I take it, our chief work as junior class teachers. The appropriate term may possibly for a time be forgotten. Never mind that much, if you are sure the idea of the lesson has been firmly grasped. I asked a little fellow in my own class the other day, at the close of a lesson on hills and mountains, what a mountain was. He said, "A great big hill." "Well," I said, " and what is a hill ?" "Ground rising up high to a point and coming down again on the other side, like a tent," was the answer.
That answer would look very strange in a book, but then we were not learning book geography. I felt sure ho had grasped the ilea of a hill and was satisfied. Perhaps you will say I am easily satisfied. I hope not.

To be as practical as possible, let us review in order the limit table for this subject in the 10th, 9th, 8th and 7th grades of our city schools. That for the 10th reads as follows:-1. Cardinal Points of Compass; 2. Local Geography; 3. Map of School Yard.

In teaching the Cardinal Points of the Compass it occurred to me to lead the children to feel strongly the neel of some term ts express the ideas which we do express by the words north, south, east and west, and to this end, I told the little ones a story of a little boy who lost his way in a wood. I enlarged upon his terror in the most touching terms; till they were spell-bound with horror and compassion. Then he saw the sun setting behind the trees, and recollected that he had often seen the same thing from the door of his father's house, so".he set out to walk towards the sunset. On his way he met a man who asked him " Where he was going?" He said "Towards the place where the sun goes down at night." Here comes the need of the term-west-for the long phrase, "The place where the sun goes down at night." Something in this way we learnt the four points of the compass with their relative positions, and applied them to our own locality. It may be objected that this took a long time. It took a week, one point each day and Friday for review. The most important part of our limit table gone over in a week!
2. Local Geography-I understand to mean the direction in which important places, such as streets, rivers, churches, schools, or the children's homes lie from the school, and from each other. This exercise can be varied to any extent, (e.g.) "I am going up Ontario strect when I leave school, as far as Wallesley street. Which way?
"Then I shall go along Wellesley street to Yonge street?" "Then to Gerrard street ?" and so on, make the circuit of the city if you like.
3. Map of School Yard-I take a slate, or better a large piece of paper, and placing it on the floor or table, draw (under the direction of the children) a diagram of the school yard, placing the sheds, school-house, etc., in their proper positions. Mark in the N., E., S., W. Then hang it up, casually explaining that it is customary to hang maps with the N. upwards. This will pave the way for the teacher of the 9th div., whose first subject is "Cardinal Points on Maps "-The top the N., the bottom the S., the right hand E., left hand W.
The second point in this grade is "Definitions of Physical Geography." Scarcely a Toronto child could be found, who would not be able to tell you what " the island" is. Perhaps he might not exactly say, "It was a portion of land surrounded by water," but he knows that he cannot walk either there or back again, and why he cannot do this. "Because," he will tell you,"There is water round it on every side"-all round it. Good. Pestalozzi says "Proceed from the particular to the general." Do so now, and you have your definition for an island. There is a point on the island, so we can get. our cape or headland. The "Gap" will do for a strait. We have a lake, a bay, Rosedale with its miniature hills and valleys, a city, a port, trade, manufactures, a government. We have a river Don with its bed, channel and right and left banks, a lighthouse, the Humber with its celebrated mouth, and a number of creeks, tributaries of the Don.

In fact Toronto must have been built where it is for the convenience of its school teachers. There is hardly anything we have not got except an ocean, a volcano and an earthquake.

The ocean we must do without, and if we have not earthquakes and volcanoes we have hundreds of boys, and they are just about as nncertain.
When the idea represented by each definition has been developed I give an example of each on the map of the world, taking the most prominent examples. Let the pupils during this stage make maps of the continents on their slates, while you draw them on the board. Very rough outlines will do ; a species of triangle properly placed, answers very well for cither North or South America. The names of places, etc., can be placed in as they are learnt. By the time the pupil has gone over "the definitions" in this manner, he will be tolerably well acquainted with the third point of his limit table for this grade, viz.: "The introduction to the map of the world," and this brings us to the 7 tha and 8th divs., when he first and constantly "Reviews Past Work," and deepens his introduction to the map of the world. In this review I would extend the idea represented in each definition, giving the pupil some exercise for his reasoning powers in each one. One or two brief examples will suffice. Take a very simple one.
"The ocean is composed of salt water." Why should it be salt? What use is it? They'll tell you. Don't tell them. Help them up the steps where they cannot go alone.
Agsin, "There are two countries; one hilly, the other flat." Which will have the swiftest rivers? Or, "Coal is found in large quantities in the North of England, not in the South." Where will coal be the cheapest? and so on ad. infinitum.
They'll tell you all this and be glad of the opportunity. They like to use their minds. Children as well as older people feel with Festus, "That it is grand to stand upon some mountain top of thought and feel the spirit stretch into a viow." Talk to the children about some of the common articles of every day life, cotton, coffee, tea, sugar, pepper, currants, and this will lead to a brief lissen on the country where these articles are found. Tell
them storien of prairio fires, deserts, and caravans, ostrich hunting, whaling, chamois hunters, Esquimans, Coral Islands. It will quicken their interest in theso actual facts, and make them feel that earth can unfold page after page of choice material, morr charming than thd wildect fairy lore, for it is nll what a little fr:mal of minn calls "real."

A few words with regard to the apparatus necessary for junior classes. We would like pictures of all the principnl plysical fen tures, such as there are in the text-books, only greatly eularged su as to be visilile to the whole claw. In England, for tonching map gengraphy, we uset large llank maps in preference to printel ones. Speaking for myself, I would rather have a large terrestrinl globe than a dozen maps. A piece of crayon and a blackboard can be made to supply all the map that is necessary for junior class goography.

Apart from pubhe school work, and addressing more directly those parents who take an interest in the amusements of their children, I would mention, that one of the delights of my chaldhoond was the joint pissossion with an elder brother of threo puzzle maps of the Britiah Isles. These maps were separate, England, Ircland, Scotland, und wore each abont three foet by two. Thoy broke $\mathrm{u}_{\mathrm{p}}$ into the most wonderfully shaped pieces, which took a long time t) put together, and we found that we could perform this tank nore readily by rememboring the names of some of the places and their position on the coast or inland. Thus wo soon learnt by orperience that it was impossible to make a queer slanped piece of wood with Hull on it, fit into a groove of the Land's End, and so on. We had them for years, bat piece by piece, dwinalled away, and atlast all that was left of the British Isles, was a piece of the North of Scotland, which we threw away as good for nothing.-An Address delivered before the Toronto Teachers' Association, December, 1877.

THE TEACHING OF SPELLING.
by b. a. cochrane.

## III.

Re-writing every misspelled word five times serves to keep the corr. ct form of each before the mind of the papil long enough to cause a distinct impression to be made on his memory. But this labor muy not be sufficient to produce a lasting impression-indeed it may not be at all commensurate to the labor ho has expended in learning to spell the word wrong. Suppose he has made three efforts which have resulted in giving him a false impression of the form of the word. Tu correct this error he will require to make at least six efforts-three to countorbalance those already made and disahuso his mind of the prejudice which inevitably exists for the false spelling of the word, and three to fir the correct form in bis memory. Even then the worl may only be temporary. To eradicate the error utterly is what we would have him do, and we cannot sid him to do this more efficiently than by exercising him repeatedly on the words already misspelled. Write them on the board and drill him on them from day to day before taking up the regular spelling lesson, antil by continned practice in the correct form it becomes, as it were, part and parcel of his mental constitution. The papil should also be required to keep a list of all the words he has been unablo to spell in his rogular spelling lessons.
An accurato list of nll misspelled words should bo kept by the teacher. It will prove usefal for ordianry drill work, and monthly reviews. If kept faithfuly from year to year it will show in what words particularly thero is a tendency to make mistakes, thns pointing out the words requiring apecial attention.
The natare and use of the spelling-book now comes to be considercd. By many teachorg, the Readers are deemed sufficiont for the parposes of spelling, and the spelling-book is, in consequence,
discarded. Many teachers on the other hand nse it, but without much confidence in its utility or much system in its use. Now there is no doubt but that the first and sooond readers should form the first and second spelling-booke, and that at every stage of the pupil's advancement no lesson slonuld be received until it has been carefully and accurately spolt as well as read. The use of the Readers as spelling-books siuculd be retnined to some extent in all classes, from the lowest to tho hughest. But there are many words in common use, as well as anumalous words of frequentoccurrence in. every day life, that cannot be supposed to occur even in the most extenaive round of rending exercises. Yet with the orthography of these worls the pupils most require to be made familiar. "We ahould hear less of spalling difficulties" says C. P. Mayon in a letter on this suby-ct to the Edurutional T:mes, "if teachers, and school inspectors and examinure, whon teachers bave to satisfy, would allow themselves to be guided hy a few grains of common sonse. Noboly wants to spell excopt for tho purpose of writing, and in the ordinary course of trade and businuss (I am not apeaking now of the lenrned professions). the vocabulary required ior use is of very limited rauge (Mr. Masnn eatimates it at about 2,000 words. By others it is rackoned as low as 1,500 ). What sense is there in setting learners to espend their pricrless schood time in learning to spell rare and difficult words which they will nover meet with a dozen times in thair lives, and never have oce asion to write onco? Yot spelling-books are to a large extent taken up with worls of this kind. And matters nye made worse by the pedantic tyranny which tou often marks the modern examination system. Young scholars are not unfrequently examined in spelling by having dictatod to tham for writing a pieco of poetry, the phraseology of which conveys to them no ghmmer of meaning. In all cases the learner's attentiou should first be directed to suoh words as they are likely to use commonly. If their school course is long onougis to enable them to go beyond this vocabulary of common words, well and good, let ther procoed farther; if not, let teachers and examiners content thomselves with the humbler rango $I$ have indicated." These words, that is, the words of actual business life, and those met with in the leadiag pariodicals of the day, can be best and mosi gyitematically treaten of throngh the medium of the Spolling-book, which, therefore, when disburdened of rare and difficult words, is of essential servioo in acquiring a correct style of spelling.
The pords of the spelliag-bools sbould be arrangel secording to somo definite plan, which recommends itself from its atility. In the first place spelling should be combined with pronunciation, and therefore the first list of words should be arranged according to their leading vowel somuds. By this monns the pupil becomes familiar with the rarious ways we have of representing the pame vowel sounds, as well as the other orthographical expedientr, that have been resortod to owing to the deiects of the alphabet. This list sheald be followed by another presenting the common words containing silent letters. In the second place spelling may be very conveniently combined with derivation. For this purposo the prefixes, suffixes, and leading Latin and Greek coots may be presented in a series of exercises armnged to exemplify the nse and meaning of eack. Copious exercises should also be given in word-bnilding. In the third place the common rales of spelling should be illastrated by a number of words purposely selected as examples of each rnle. In this way the attention of the pupil can be directad to the laws of English Orthography.
A large portion of tho Companion to the Rsader is devoted to what is termed verbal diatinctions, bat these are presented in a way not at all saited to give the papil an intelligent idra of either their meaning or use. An attempt is made to give a formal definition
of each worl, but in many cases the monsing is obsoured by the use of worls more dificult to understand than the word defined. It is very important that the pupil should bo taught to distinguish homonyms, but this is not the rational way of doing it. If theso words be presented to the pupil in sentonces adapted to his intelligence, ho will have a far clearer conception of them than the formal definition would give him. This will appear evident if the mode of presenting homonyms, as given in Coutie's Word Expositor, be compared with that adopted in the Companion to tho Readers.

But however important a well-constructed spelling-book may be, it is of still greater importance that it be properly used. Their misuse has been the principal canse of the failure in spelling-books. The first thing to be attended to in this connection is to give the class a clear and correctidea of the meaning of every word. To do this so as to awaken thought and interest on the part of the pupils is one of the most difficult tasks the teacher has to accomplish, and requires all the skill and ingenuity ho can command. Lists of disconnected words are of themselves dry and uninteresting things unless mado the exponents of living thoughts. 'To invest the words of the spelling-book with life should be the grand aim of every teacher. He cannot do this by simply giving a synonymous word for each. This is tho usual way, but it is open to the objection that the synonym may convay the idea to the pupil less clearly than the word itself. Explanatory phrases or sentences, if couched in terms sufficiently simple aud definite, would perhaps be more suitable. But the great objection to each of these ways of dealing with words is that, at best, they exercise, to a limited extent, the intelligence of the pupil. Without his active co-operation we cannot hope to make words be to him the exponents of living thought. He must be a worker if wordsare to be to him signs of idcas. One method of doing this is to make each word the subject of a short couversation that would prepare him for an intelligent appreciation of the meaning. Thus, if wo wish to innpart the meausng of the word capor, show the pupil the effect of heat on water and other liquids, as well as ou solids. Let him see the chango of state heat produces in substances, and when he is fully conscious of the fact that it is due to heat, give him the word that expresses this result. Let the conversation on all words call into use his own intelligonce, nnd only when he needs it burden him with assistance. Whou the meaning has beon grasped lot the word be embodied in a suitable sentence constructed by the pupil. Then lot its pronunciation and spelling be impressed. The construction of sentences to exemplify the correct use of every word of the epelling lesson gires the pupil a power over words, nad removes to a great extent tho difficulty pupils experience of expressing in their own words the leading thoughts of their reading lessons. Occasionally the teacher should manufacture sentences in which the words of the lesson occur, and call upon the class to ascertain their appropriate meanings from their connections with the other words. Their very offort to do this, though they may not happen to hit upon the real defnite import of the words in question, affords thom a valuable mental training. As soon as they have got the correct idea let the words be em bodied in sentences of the papils' own construction. From a somewhat lengthened experionce, I am satisfied the methods of giving the meanings of wordsjust recommended will produce the most satisfactory results. One thing is certain, that the pupils will no longer regard their spelling lessans with that aversion which is now unfortunately so common. It is true so much ground may not be gone over, so many classified words may not bo overtaken in each lesson, but what is done the pupil understands, and is likely to remember, and this is of more value than many times the number being made to pass through the mind withont leaving an adequate
impression upon it. Half a dozen words a day gone over in this manner will accomplish marvellous rosnlts before the papils' school days are over, and bad spelling would bo the oxcoption as it is now unfortuately the rule.

As success in teaching spelling depends upon the thoroughness with which the forms of the words aro inpuressed upon the minds of the pupils, a great portion of every spolling exercise should consist in reviewing the provious lessons. It is only by continued practice that the forms of worls become indelibly impressed upon the memory.

The grand aim of every lesson in spelling should be to exercise thoroughly the intelligence of the pupil, to call into use his previously acquired knowlege, arrango it better, and add something to it, to khow him what the power of his mind is and what it oan accomplish if properly directed, to teach him the great lesson which concerns not only his school-boy days, but all the days of his life, that there is nothing worthy to be achieved without sincere, undaunted, nover wearying industry.

## AN "INDEX EXPURGATORIUS" OF WORDS AND PHRASES.

The New York Eivening Post, which was for a long time under the ellitorial management of the veteran American poet, William Cullen Bryant, is distinguished amongst its contemporaries on this continent for the purity and correctuess of its English. This is mainly, if not entirely, the result of the efforts of Mr. Bryant, who endeavuured by both precept and example to train his contributors to write well. The folluwing is a list of the words and phrases which he would not allow to be used in his journal, those he objected to being printed in italics :-


| Mutual, for common. <br> Nominee, " sandidato. <br> Notice, " observe, or mention. | $\|$Secesh. " distriot,or region. <br> Section,  <br> Sensation, " noteworthy |
| :---: | :---: |
| Numerous, as appliod to any noun, |  |
| e a noun of multitude. | Spemding, "' passing |
| Oficial, for officer. | Standpoint, "\% point of vi |
| On yesterday. | Start " begi |
| ur first page, for first page of the Evening Post. | State, " |
|  | Stopping, " staying, or |
| ver his signature. |  |
| Pants, for pantaloons. | Subsequently, " afterward. |
| Parties, "persons. | Taboo. |
| Partially, "partly. | Take action, " ant, or do. |
| Past two weeks, for last two weeks, | Talent, " talents,orability. |
| and all similar expressions | Tale |
| relating to 6 delinite time. | Tapis. |
| Puetess. | Tariff, for rates of fare, or ochedul |
| Portion, for part. | or rates. |
| Posted, " mformed. | Telegrams, for despatches |
| Primaries, " primary meet- | The deceased. |
| to, " before. | The United Stutes, as a singalar |
| Prior to, "before. |  |
| Progress, " advance, or | Those wanting, for those who wan Those who, " those persons |
| Proximity, " noarness. |  |
| Quite, prefixed to good, large, dc. | Transpire, |
| Rexidence, for house. | T'ry an experiment, for make an ex |
| Raid, . " attack. | periment. |
| Realized, . " obtained. | Via, for by the way of. |
| Record, " character, or re- | Vicinity, for neighbourhood. <br> Wall Strcet slang generally: ball |
| Reliable, " trustworthy. | bears long short fat |
| Repudiate, "r rojoct,ordisown. | er, tight, moribun |
| Resident, " iuhabitant. | e, \&c. |
| Retire, as an active verb. | We are mistaken in, for wo mistak |
| Rev., for the Rev. | Wharves, for wharfs. |
| Rove, "tho part. | Which, with a noun, as "which |
| Houghs. |  |
| Rowdies. | Would seem, for seems. |
| Seabourd, " sca-coast. |  |

It is almost unnecessary to point out that the author of this "Index" is somewhat hypercritical. Such words as "aspirant," " located," "debut," " oration," " tapis," he rejects altogether, and he condemns tho use of others, like "conclusion," "cortege," "prior to," "proximity," "subsequently," "vicinity," his objection in both cases being, apparently, that they are words of foreign origin. On the other hand he objects, with apparent caprice, to "fall," preferring "autumn" in spite of its Latin derivation. "Reliable" is condemned, probably, on philological grounds, and the word is no doubt an etymological solecism; but it is to a great extent sanctioned by usage, and as a somewhat instructive com. mentary on its rejection it may be worth while to call attention to the fact that the Suturday Revielo some time ago took strong ground against its use, and that shortly afterwards a critio found the word occurring constantly in almost every department of the paper. Although " trustworthy" is still the better word of the two, reform. ers and purists will now have great difficuity in driving out the rival. Tho word "telegrams" is certainly preferable to "dospatches" on the common sense ground that the lattor includes the former and a great deal more. By ostracising such words as "rough," "humbag," "bogus," and whst Nar. Bryani calls the "slang" of Wall street, we might keep the language purer, but we would certainly make it less capable of expressing some ideas with force and precision, and the newspaper which foregoes entirely the use of these and similar words will soon become amenable to the charge of pedantry. The "slang" of the market place is just as objectionable from the point of finw of the purist as a great deal of the language of the Stock Exchange; these is no more harm in speaking of a "corner " on Wall streat than there is in speaking of a "corner" in grain, and in neither case can the same idea be conveyed withont a periphrasis if "corner" is to be discarded. But the most singalar mistake made by Nir. Bryant is his condemnation of "The United States" as a singular noun. As a life-long
membor of the Republican party, the aim of which has always been to discournge the doatrine of the sovereign rights of individund States, he should be propared to accopt the oxceedingly cumbrous title of his country without regarding it as a standing contradiction of his country's alleged solidarity; that he has not dove so shows the oxtent to which he is the slave of rorm. In other soords, while "The United States" as a singular noun ought to be in tho "Index Expurgatorius" of every genuine Democrat, this use of the exprossion is allowable to every genuino Ropublican. With all its defects ${ }^{\text {the }}$ lists is worthy of the attention of all seeking to attain to purity of langunge and elegance of style.

## Examination ©uestions.

Under this head will be publishod from month to month the papors sot at tho oxamination for entrance into the High Schools of Ontario, tho Intermediate Hifls School Examination, tho oxammation of candicates for l'ublio School tonchors' cortificates, and tho Junior and Senior Matriculation examinations of the University of Toronto. The slathematical papers will in all cases boaccompaniod by analyticul solutions of the nore dincult problems and lunts on the best methods of solving tho others.

## PAPERS FOR DECEMBER, 1877.

HISTORY.<br>Examiner: S. Arther Marling, M.A.<br>I.

ADMISSION TO HIGH SCHOOLS.

1. How did Canada come into the possession of the French, and how did the British acquire it ?
2. Nams in order the Tudor sovereigns of England, and tell what you know of the reign of Queen Elizabeth.
3. In whose reign were the battles of Bunnockburn, Culloden, and Waterloo fought; between what nations ; and who were the principal commanders on each side?
4. When did Queen Victoria come to the throne? Whom did she succeed, and what have been the principal events in the history of Canada during her reign?
5. Say what you know about Oliver Cromwell, Jo:u of Arc, John'Miltun, Lord Nelson.
6. When did the Onited States become an independent nation; and when did Canada become a Duminion?

Values-12 each.
II.
second class teachers and intermediate.

1. Narrate the chief incidents in the reign of Richard 11.
2. Tell briefly what you know of the changes effected in the laws and languago of England by the Norman conquest.
3. Explain the causes of the troubles that agitated the reign of Charles I.
4. Give some account of the Darien Company, the Abolition of Slavery, the Habeas Corpus Act.
5. Tell what you know about the Treaty of Utrecht, or, the Treaty of Dorer.
6. Write short notes on Lord William Russell, Warren Hastings, Sir Robert Peel.
7. What is meant by, the Cabinet, Prorogation of Parliament, the Queen's Supromacy?
8. Name the chief events in Canadian Histury from the death of Wolfo to the American Revolutionary War.
9. Write a short account of the IRoman Decemvire.
10. What were the causes of the hostility between Rome and Carthage?

Falues-10 each.

## GEOGRAPHY.

## I.

ADMISBION TO HIGH SCHOOLS.
Examiner: G. W. Ross.
Values.
12

1. What and where are Gaspé, Boothia, Walpolo, Sitka, Quinte, Shebandowan, Battlefora, Acapulco, Santa Cruz, Palermo, Cape Breton, and Formoss?

## Values.

2. Explain the terms zenith, ecliptic, pampnes, tripic, and promontory.
3. Wver what railwads, and through what towns and caties would yon pass on a trip from Collingonod to ()ttawa?
4. What is the general direction of the following rivers, and into what do they empty: Otiawn, Ohio, Richelien, Magdalena, 'fornea, Ebro, C'ral, and Sihon !
5. Name the principal mometian ranges of the Eastern hemisphere, and the highest peaks in Europe and Asia.
(i. Ontline the map of Ontario, indicatins the position of the cities and principal rivers.

## II.

becond class teachers asd intermediate. Escumino: Jamea Heours.

1. Explain the causes of the change of seasons.
2. In what month dues a place in the tratic Circle have its longest day? What is the length of that day? State the relative lengthy of day and night in the South Frigid zone on that day?
3. New York is situated it ${ }^{\circ}$ west of London. A ves. sel sails from Now York and her chronemeter keeps New Fork time. On a certain day her chronomoter marks 28 minutes past 10 , when the sun shows it to be 12 o'clock. What is the longitude of the vessel ?
4. You have a cargo of tea at Hong Kong which you wish to bring to Toronto. Mention the chief places yon would pass or go through by the most direct route.
5. Where do the wholesale merchants of Ontario proc.rre the largest quantities of Rice. Sugar, Coal, Coal Oil, Iron, Manufactured Hardware, Watches, Earthenware, Silks, and Cottons?
6. Where are Isothermal lines most nearly parallel with the equator?
7. Nam: the towns in Ontario where other Railroads make connection with the Grand Trunk R. R.
8. Sketch a map of Turkey in Europo showing the position of the Danube, the Balkan Mts., Roumania, Servia, Bulgaria, Rustchuk, Sistova, Plevna, and Constantinople.
9. What and where are the following:-Stuttgart, Metz, Lipari, Gothland, Tunlon, Weser, Ortegal, Luzin, Khiva, Aden, Macasser, Lualaba, Lena, Everest. Sucre, Voggos, Frio, Canso, Aspinwall, and Dantzic.

## CEEMISTRY.

second chass tfachers and internediate.
Examiner: J. A. McLetidas, LI.D.
Notre.-Candudates anordel to piess muest make at least 22 maerls min this fmper, and at least 120 marhs in the :10vit. Nistural Phit osophy. Chemistr!, and Buokkeeping.
Values.

## $6+6$

1. Describe any experiments you may have seen which prove (1) that chemical actuon generally produces a change of state, (2) that chemical action generally produces a change of temperature. its preparation from puta reaction by an equation.
2. What quantity of oxycen by weight, and also by volune, can be obtaned by the decomposition of 100 grains of potassic chlorate.
$4+4+5$
3. Give the symbol, atomic weight, and chef properties of chlorine. To what are its blenching and deuderizing properties due? Express in words the meaning of the equation: $-2 \mathrm{NaCl}+\mathrm{MnO}_{2}+2 \mathrm{H}_{2} \mathrm{SO}_{4}=\mathrm{Cl}_{2} \mathrm{Na}_{2} \mathrm{SO}_{4}+$ $\mathrm{MnSO}_{4}+2 \mathrm{H}_{2} \mathrm{O}$.
$3+3+$
4. Give the symbol and atomic weight of sulphur. Describe any method of preparing sulphuric acid. How would you prepare crystals of sulphur? What would be their shape?
$3+3+6$. What is the action of water upon each of tho follow-
$3+3$ monin, and Sodium?

## Values.

7. What woight and volume of carbonic acid gas would be produced by hurning 5 grams of carbon in oxygen gas? 8. Givo abriof neconnt of the atmosphere, including its extcht, pressure, composition, and chemical rehetions.
8. Describe minutely any chemical exporiment you have yourself performed.

## BOOK-KEEPING.

second class teacmers and intermymate.
Extminer: John J. Theres.

1. Distinguish book-koeping by singlo and donblo ontry.
2. What is a book of original ontry? Name the principal ones used by merchants.
3. Define the following;-Resource, Liability, Due Bill, Real Account, Shipment, Consignment, Draft, Invoice.
4. In the following Accounts, which are closed by "To or By Balance," and which by "To or By Loss and Gain? -Cash, Mdee., Meal Estate, James Jones, Interest, Bills Rec. Dominion Bank, Bank Stock, Commission, Shipment to B.
5. Give the rule for Journalizing.
6. John Sinith begins business with the following effects:-Goods $\$ 4000$, a farm $\$ 2000$, a note against Jas. Muir for $\$ 800$, and A. B. owes him on accoment $\$ 600$. He awes James Rice 8600 , and a note in favour of H. O. for \& 600 . Guve Smith's Journal Entry, and apply your rule.
7. Bought from R. Hicks $\$ 600$ worth of mdse., and give in paymont-cash \$300, a noto which we held against Hicks $\$ 200$, and a cheque on Untario Bank for balance. Give our Journal Entry.
8. Atex. Henry holds a note against us for $\$ 800$, which we buy, giving casi $\$ 350$, cheque on Ontario Bank $\$ 150$, indse. \$iOU, and a note ngainst A. B. \$185. Discount for balance. Give Henry's Journal Entry.
9. Sold goods to R. Smith to the amount of 8800 , as per invoice. Reccived in payment sight draft on A. B. 8300 , cash $\$ 200$, cheque on Ontario Bank $\$ 100$, 8mith's note for one-half of balance, and allowed the other half to remain on acenunt. Giro my Journal Entry.
ic. J. Jones draws on W. Brown for 8100 in favor of A. Toms. which draft was accepted Oct. 20th, 1877. Namo the Drawer, Drawee, and Payeo ; and give Journal Entry for each.

## Snswers to $\mathfrak{C o r r e s p}$ ondents.

To Conrespondents.-All requests for information, as well as cominumications intonded for iusertion in the Scrool Journal, should be accompamed by the name and aldress of the sonder.
Stodens. - The best work to study in order to get a knowledge of the method of teaching drawiug is Walter Saith's Intermediate Manual. Hoston: L. Prang \& Co.; Toronto: Adam Miller \& Co.
V. S.-A candidate who has passed the Intermediate Hig. School Examination, taking Cerman instead of Natural Philosophy, Cisemistry aud Book-beeping, can obtan a second-class certificate after tepching a pear and attending the Normal School. Fo cannot, however, frithont tuking the latte: gruap obtain a highor certificate than one of Grade B.
W. M.-The sulyects for Examination for third class teachers in 1877 are:

## Reading and Spelling-From Readers.

Etymology.-To know the prefixes and affizes and principal roots.
Grammar and Composition.-Grammaticul forms and Definitions. Analysis and parsing of prose and easy rerse. (hanging the construction of sentences. Short narratives or descriptions. liendering of Poetry into Prose. Familiar and Basiness Letters.
Englixh Literature.-Fifth Book, Pages 123-The Cloud. 140-The Origin of the English Nation. 192 -Execution of Mary Queen of Scots. 198-Character of Elizabeth. 207-The Battle of Nasaby. 213-Crom. well's Expulsion of the Parliament 276-The Battle of Waterloo. 278 -Death of George IU. 276-The Acadou. If Lagado. 411-History in Words. 417 -Letter to tho Earl of Chesterficld. 418-Lnetter to the Dute \& Bedford. 121-Chancer end Cubloy. 422-Dryden and Pope. 460-MIusic by Moonlighs. 476-From "Julius Cresar" 480-Trial Scene from the Merchant of Venioe. 484-Fsom "Ring Richarà II."

485-From "King Richard III." 487-From "King Heury VIII." 488-Hrmlet's Solioquy on Death.
History.-The leading events of English and Canadian History.
Geography. - The maps of the continents, Canadn, Ontario, (iront Britain and Ireleud, aud tho principal dopentencies of the Empire. Map drawing. Rudiments of physical, mathematical and political Geography. Arithmetic.-Simpli ani Compound rules. Reduction. Vulgar and Decimal Fractions. Proportion. Interest, Discount, Stocks, Exchange. Syunre Ront.
Alyrbra. - Tho elementary rules and onsy simple equations.
Liuclid.-Definitions, Postuhtes and dsioms. Book I.

## 前otes amb

## ONTARIO.

Smith's Falls has a good pulbic library.
The new public school at Port Dalhousie will cost \$5,500.
Stratford is growing educationally. Four new teachers ap-1 pointed and a magnificent now High School to be orectel.
A new High School has beon completorl at Wardsville at n cost of $\$ 6,000$.
In sever.al places the Separato School Boards are uniting with the Public School Boards.
The Milton Champion urges the people of Halton to establish Township School Boards.:
The roll number of pupils in tho Galt Pablic Schnols for December was 742.
The register number of pupils in the Elora Public Schuol for 1877 was 489, and the average attendance nearly 261.
1462 pupils attend the public schools of Chatham, 259 the separate schools, 260 private schools, and 169 are not attonding niy school.
The Woodstocke Sentinel recommends the division of the county of Oxford into two inspectoral districts and the payment of liberal salaries to the inspectors.
In St. Thomas the mumber of pupils registered for December in the Public Schools was 998, and the average attendance 808, being an increase of 172 and 143 respectively as compared with 1876.

The number of children, in London, botween five and sevonteen is 4,666; attending the Public Schools, 2,757; attending Separate Schools, 408 ; otherwise educated, 556 ; not at school four months in the year, 950 .

Goderioh, in 1877, had a registered number of 1,822 .
The total number of teachers' certificates granted at the recent December examination was $1: 7$. Of these 50 were Grade A anl 107 Grade $\mathbf{B}$.
Ottawa has organized a Teachers' Association in accordance with the Departmental Regulations. Mr. Glasham, Pablic School Inspector is the President.

The Peterborough School Board is very properly paying very close attention to Writing and Book-keeping. Thay have employ. ed a special master to teach these subjects.
Speaking of the South Leeds Teachers' Institute a lucal paper says: "The whole Institute proved the practical utility of these associations, and the propriety of granting them liberal assistance from the public funds. The young teachers caught many valuable lints, which will, no doubt, be turned to such good account in our schools as will be worth many times their cost to the country.

It is astonishing how auickly the people of the United States ret foreigners to believe that they were "born and brought up" under the wings of the Eagle. Many Canadian teachers remember Mr. G. Victor Lof Vaux, a gennine first class Irish-English-Canadian, author of some excellent works, and for some years teacher at Cliftou, Ningara Falls. He is now teaching in Nevada, and lately delivered an addross at the Teachers' Association there, ir which he praised our Ontario School system very highly, and spolk of us as "our cousins! !" We wish cousin Le Vaux saccess.
The competitive examinations in connection with tho Public Schools in the connty of Durham will take place on Friday and Saturday, Narch 15th and 10th, at Hampton, Orono, Williamsburgh, Port Hopp, and Millbrook. The candidates will be divided into four classes, according to age. Eight general proficiency prizes and one special prize will be awarded in erch subject.
Captain Wicksteed, of the Ottawa Literury and Scientific Society, has been lecturing on "Physical Education," and strongly urges the adoption of a "regular system of gymanstics." His suggest:on is a vainible one.
The educational estimates for Ontario for the present year show
that $\$ 16,900$ less will be spent this year than last year. The Journal of Eiducation is discontinued. Tho sum set apart for Library and Prize Books, Sic., is 825,010 less than in 1877, while the amount for the examination and training of tenchers is $\$ 10,000$ more.

Perhaps nothing more cienrly shows the marked improvement that has taken place in the Hygh Schools durmer the past fow years than the high standing in arithontic obtained by the candidates at the recent Intermediate Examination. The 755 candidates who chme up for examination obtained an average of about 48 per cent., White the 354 successful ones obtained an averare of nearly 57 per cent. Only 35 cendidates were "pluckel " in this brancli-failing to make 20 per cent.
The report of Mr. Glasham, the inspector of th:0 Ottawn Pablic Schools, for December, showed there were 1,822 childron on the roll, with a daily average attendanco of 1,600 , or 88 per ceut. In December, 1876 , there wore 1,862 children on the roll, with average attendance of 1,581 , or only 82 per cent. The inspector thinks Othawa ranks next to Toronto in point of regularity of attendauce. There are 1, ,ifi uttending the Separate Schools; 245 childron do not nitend any school at all.

## QUEBEC.

The Faculties of Lav and Medicine of Laval University in Montreal have been constituted, and the professors appointed.
The friends of the late Mr. Barwick, a teacher in one of the Montronl schools, who died while in tho dischargo of his duties, and left a wife and nine children with no provision, opened a subscription in behalf of the bereaved widow and orphans; 8250 were promised at the first meeting held.

Profosser Bovey, of McGill, promises four papers on Practical Science in the Cunadian sipectator under the following heads:1. On the Harmony between Theory and Practice. 2. Ellucatiouna Institutions in Great Britain, Europe and in the United States. 3. Educntional Institutions in Cauada. 4. General Conclusions.

The Rcv. A. Nantel, Superior of the Sominary of Ste. Therèse, has issued a circular letter to the Seminaries, Colleges and Convents of the Province, inviting them to lend thoir aid in furthering the work of the commission for organizing a school exposition for the Puris Exhibition. The Superintendentealls the attentinn of School Inspectors and Commissioners to the letter. The object of the letter will be soen from the following extract: "In the numerous publications on the subject of school oxhibitions at Philadelphia, you know what praises were given to Canada, and you are not ignorant of the limitations mado in that respect with regard to the Province of Quebec, whose school exhibition was iu truth very insufficiont. Thesa limitatious were in many cases malevolent, a matter which is casily esplained. Our system of public instrnction is founded upon religion as an essential base. For one part of the modern wordd this is now a great defect. But further our sehools are confessional (confessionelles), and as Catholicism rules in our Province, the grenter p.irt of our schools are regarded with an indifferent eye by anothor part of the molern worla. The question for us then is to discover if we can confound this nalevolence and gain over the irdifferent. Can we prove that religion does not injure education in this conntry? I say prove, for it is quato useless to assert it. The men of our day beliove in facts conly."

The Hon. G. Onimet has submitted his report of Public Instruction for the year 1876-77 to the Hon. J. A. Chaplean, Provincial Secrotary. 'Ine year just ended has been a year of transition. The lapse of time since the passing of the last Act has not been sufficient to test the use of the new Depository, although up to the lst of December last the sales had amounted to 812,600 , so that grounds are afforded for the statement that the Depository will upen $\Omega$ new era for public instruction. Another intention of the law is to establish a uniformity of text buoks in the Province, so is to remedy, if possible, the utter confusion which roigns at the present moment. It is propos d that the Department should have its own list of authorized books and sell no others, one way certainly of remedying a bad law. The teaching of agricultare is gradually increasing, although in many localities the parents refuse to parchase the small Manual of Agriculturo-a prime necessity. These parents are generally the worst farmers of the place, it appears. The average attendance is greater than in previnus years, being 178,621 out of 282,765 on the registers. On account of the number of days (167) on which school is not hell, it is proposed to abolish eight holidays, and shorton the summer vacation from six weeks to four. Complaint is made that candidates obtain certificates too easily. (No wonder, since tho examiners are not paid for their work.) To increase the wretched pittances of teachers it is pro-
posed to fix minimum nhary. Tho Superintendent wisher the appointment of mspectors general to organze the inspoctorate.

A grant of $\$ 200,000$ is arked fur the Cummon Schools.
The Laval Normal school, which is at prosent hoh in the old Governor's residence, has neither yaril nor yarden. This stato of things cannot last. $\Lambda$ now buhbiog is necessary. All cmadidates for the uffice of Inspectur will hate in future to undergo a spechal examination. This jear the reporto of the Inmpecturs have bech published in full. The mestations recesving grants from the Superior Educatum P'und ( $\$ 80,(100)$ are as fulluws: Clasical Cul Le, ees, 8, Commercal Collh neb, 17; Model Schnols, 261, Mined Acalomios, 26 ; Acalemice for girls, 65 -total, 380 . It would be very interentiog to know on what basis the grant to these various institutions are made, as un the face of the report the greatest seeming diferopancies occur, c.g., Joliette, with 243 pupils, recrives $\$ 800$, whle Ste. Anne de la Pucatisre, wath, 104 papils, receiver $\$ 2,000$, Ste. Mario (Montreal), with 250 , receives $\$ 1,750$; Rimunsk, with 131, 820000 , Re., and all are Classical Collewes. A Gengraphat Socioty has been formed in Quebee with the Mon. M. Fortin lresident, aud Mr. E. T. Fleteher, Secretary.

## NuVa scoma.

A large and influential meeting of friends of Acatia College and higher education, was held in Halifax at the chese of Hecember. It was presilled wer by Hem. D MeN Parkir, M. I, and among the speakers were Rev. D Crawley; Hon. P. C. Hill, Provincial Secretary ; Rev. G. W. Hill, D. C. L., Chancellor of the Unversity of Halifax ; I'rof. D. F. Hi,trins, Acadia Cullege ; His Worship MI. H. Richey, Mayor of Halifax, and several wher prominent gentlemen, who made an earnest appeal on behalf of the stricken institution. Subscriptions to the rebuilding fund are flowing in freely, and the whole amonnt required will no doubt be soon collected. W. I. Stairs, Esq., Viee Chancellor of the I'niversity of Halifax, has subscribed 8500 to the fund. The temporary buildings erected for the accommodation of the students are completed and occupied.

A movement hats been started to establish a College of Science and Technology in Halifax, and the preliminary meeting, which was presided over by Hon. sir William Yuung, Kt., Chief Justice, was atteuded by Prufussor Geurge Lawsun, Ph. D., M. D. , Rer. D. Honeyman, D. C. L, Provincial Geologist ; Professor Liechti, Herbert A. Bayne, M. A., Ph. D., Mathematical Master of the High Schuol; J. J. Machencie, M. A., Ph. D., Lecturer on Physics, Dalhousie College; Mr. Edwin Gilpin, Mining Engineer. Several other gentlemen, favourahle to the establishment of a Science School, and willing to take part in the work, were umavidably absent, including Prof. Macdunald, Mr. Henry S. Puole, Inspector of Mines, whin was in Cape Breton, Dr. Somers and Dr. Reid, Professors in the Medical College, Mr. E. H. Keating, the City Engineer, Mr. M. Murphy, Iruvimial Engineer, and one ur two others. Sir Willian Yinhy read a letter frun: Primcipal Dawsun, M. D., Mc(iill Cullese, Muntreal, wamaly endursing the prupusal to have a Science School in Halifas, and after some discussion as to the best mode of carryinf the idea into practice, Professor Larson moved that a committeo be appuinted tu dravs up a constitution and currses of study fur a College of Science and Tochnology, to be established in Hillifia, and $t_{1}$, report the same to an adjourned meeting, to be held us an early day, at the call of the chairman. The resolution was passed unanmously, the committee to consist of Drs. Lawson, Huneyman, Bayne, Mackenzie, and Messrs. Gilpin and Liechti. The College is to be attiliated with the Vniversity of Halifax.

The Guvernu: in Council has sanctioned the prupusal of the Halifax Buard of City Schuol Comaissioners to purchase che site on Brunsuick Street, for a Hugh Schoul, at the price of $\$ 7,000$.
Before breaking up for the Christmas holidays the pupils in many of the Halifax and Dartmouth schools made presentations to their teachers.

A new school house, $23 \times 32$ feet, and to cost 81,000 , is being orected by the residents of Argyle, in Yarmouth County.

The veutilation of the Halifax city schools is to be investigated, repurted upon, and impruved, the health of teachers and schulars having been found to suffer in consequence of the imperfect supply of fresh air.

The annual meeting of the Senate of the University of Halifar was held in the last weeh of December, and extended over three days, a great deal of impurtant work being transacted during that time. The regulations respecturg Matraculation and Degrees in Arts have been thoruughly revised and greatly mproved; the list of text-buoks recummended for use revised by a cummittee specially
appointed for the parpose, and the regulations respecting Degrees
in Science finally passed. in Scionce finally passed.

A Committeo wissappcinted to report on the best modo of prome.ting the intorests of technical edncation.
The Cunvocation of the University has not yet nominated its three candidates for appointment to the vacant Fellowship, and meets again for this purpose on the 7 th Fobruary.
The fifternth ammal convention of the Educational Assuciation of Nova Scotia was held in Dallenise Collego in tho last wrek of Decernber, and was very fully attended. Rov. Eresident Dart, D. C. L., King's Colloge, Windsor, delivered an interestngg lecture on "Huod." The uther addresses and papers were. "ThoSchoul System of Ontario," by Mr. S. P. Gruat, lato school inspectur for Middlesex Co., Ont.. ; "Tho teachung of science in our Public Schools," by Mr. W. H. Waddell ; "O:I Object T'eacling," bv Mr. J. B. Calkin; "Drawny m Schouls," by Miss McCullach; "Comumon and High Schouls, "hy Professur Macuomald ; "'Teachers' Institutes," by Mr. A. A. Archibatd; "Readiug and Tex Books," by Mr. A. McN. l'attersun; "Home Lessons," by Mi. D. H. Burlidge, and "German Education," by H. A. Bayne, M. A., Ph. D. Resolutions were passed asking tho Government to establish schools of design; recommending the introduction of Elemontary Science teaching ante the schucils; and apponting a Committee of five to examino teat boohs and apparatus and recommend necessary clanges tol the Cuancil of Pubhc Instruction. The convention was a great success this year, and the attendance showed that the teachors are realiang the advantage of meeting and discussing the many important subjects connected with their profession.

## MANITOBA.

The Indians seem fully alive to the importance of the educational movecuents in their behalf. Chief Houry Prince, of the St. Peter's Band, has addressed to tho Standard a letter from which the following extract is taken:

## indian school.s and their maintenance.

## To the Editur of the Standerd.

Peguis, 6th Dec., 1877.
Sir,-I have real with much intorest a paragraph in your valaralo paper in reference to Indian Schools, and am happy to think that you agree fully with us as to uar perfect ripht in the government of the same, as promised us, accurding to our treaty with the Queen in August. 1871-when the Government agreed to maintain a schoul in each Reserve. But you will easily soe by the map that it is impossible that one school could nnswer for so large an extent as on this Reserve. Without ore than the one school as wenticned, it would be impossible for any full attendance of childrent ${ }^{\prime}$ be securel. Thu Guvernmont of the Duminion are bound th) ste that the calucation of the Indians is carried out, and we Lhave wery confide net that this will ultimately bo doue.

One pount upon which wo ar= quite agreed is that in school regahations and ulhes points wo prifer as before to have nothing to do with the Lucal Goverument, but deal purely with the Dominion.

Oar native teacher, who has beon with us now for over a year, is well liked, and is in pvery way well able to manare the instruction of vur children. He understands their nature woll and speaks their language-and the latter is of course a requirement absolutely indispensable, and one which ought to be insisted on in all cases in the relection of teachers for our leserve.
The Stumidard which is in a position to spoak with authority on Indian matters, refers to Chief Prince's letter as follows:
Our ruaderst will find in anothor column a communication irom Henry Fruce, the CLief of the Indians on the St. Peter's Reservn. It will be scen to confirm what we recently said in the matter of the Indian schools.

The Chief, who called at our office, was accompanied by the reverend and well-known missionary Mr. James Settee, who fully endorsed the subject anatter of the communication, and stated that Le had just been given, by the Superintendent of the Board of Education, $\$ 20$, for payment of a teacber of the Indian school, whe has not recelved any payment in his almost gratuitous tavk since April last, and would now got this amount,-about 82 per month B.e confirmed the Chiefs statement that application for che Indian school had been made in every quarter, out withont any success; that the need was great, and the pupils apt and numerous; but that thoir school monies wore not forthcoming.
This is undoubtedly the ease, the Department, to sur own knowledge, having even failed to answer a communication from the Rev. Mr. Pinkham, Superintendent of the Protestanl Board of

Education, who sought to rolieve tho I'ruviacial Fubst of an wathay for which special provision by Tronty alrencly had been made.

Wo have no inclination to weaken the facts by comments. The ovil will cure itself in time, but it is in the interregnmm a hard thing for the children, whose opportunities should bo, to say the least, as ample as the judicious terms of the Treaty theoretically provido, but which are practically ignored by the $I_{\mathrm{f}}$ partment.

The hardship is generally onlanced from the fact that tho Indinns fomm no part of a constituoncy - have no member to inost on their rights, by rising in his place and demanding hat all papurs benring apon the matter bo brought duwn, - and aro rractucally helpless to do other than invoko the aid of an outside pressure.

This desire fur education is nut confived to the St. luter's Band, but seems to have reached many of the Indian tribes. Chief Enoch at Bird Tail Creek, N. W. T., instructs the youth of his band in the "three R's," a fair knowledge of which he obtained before he became a Sioux refugee, in the schools of Ohio. On a recent visit tu Winnipeg he was , rocuring such a supply of slates, books and other stationery as his means would allow. Howover crude may be the Indian's idea, of schools he lsnows that whites consider them a great boon, nud why should they not be the same to him? Some of the Sioux and Arrapahoe chiofs who recently visited the President, madedomands which show that they do not wish to be altogether left out in the cold in edncational mutters. Red Clutud asked for "farming implements and stuck, inclualing muwing machines and ploughs, amb a schuol."

Big Roul wanted " 1000 boxes of monoy (possibly for teachers' salaries), farm stock, likewise waggons, and a school-house." Iron Crow wished to know "how to raise his children," and Spotted 'Tail demanded, among other things, a lig shool house;" winding up an eloquent speech by suggesting that the Goverument might give each of the Indians an overcoat and a trunk to carry clothing in.

Another delegation of Indiars arrived in Washington on the 8th inst. This time they are Poneas Cliefs. They are said to be good workers, quite civilized, industrious and peaceable, having never killed any whites ard living in obedience to the commands of the "Great Father." They come to treat for lands, to secure deeds of them and to ask for help in the way of agricultural implements, school houses \&c. Judging by their manner of asking, one would sappose they expected tho school houses to bo prodncedi on the spot intact with trunks to carry them home in.

An English educational paper noticing these frequent demands for schools, remarks that if such ideas as these are general among the Indian tribes, perhaps the time may come when we shall have an Indian School Board gravely debating (of course after smokin: the calumet of perce) the question of "Compulsion" or the "Pupil Teacher Question," or, perhaps, even a "Cunscience Clause!"

Mr. W. J. F'etcher of Torontu, has received the appointment of Principal of the Winnipeg Public Schools.

The excellent condition to which the Winnipeg Schools have been brought under the recent management has made.the people tale a very lively interest in their welfare and some of the trustees who are candidates for civic honours have their chances staked on their conauct towards the schools, bridges, sidewalks and sewers being altogether secondary. This augurs well for the young city. The following gentlemen have been appointed examiners for the Province, by the Protestant section of the Board of Education. Bishop of Rnpert's Land and Rev. J. Rubertson, in histury; R. Bourne, M. A., and John Cameron, B. A., in algebra, Euciid, natural plitosophy, and mensuration; lev. Pruf. Hart and Rev. Mr. Pinkiam, in grammar, composition, and school organization; A. W. Ross, B. A., and Rev. S. P. Mathesun, in geograplay and Enghsh hiterature ; Rev. Prof. Bryce and S. C. Briggs, B. A., in chemstry, botany, and physiology; J. H. Bell and W. H. Ross, in arithmetic and book-kecping; and Rev. J. F. German and Rev. E. Morrow, in reading, writing, and spelling.

The University-Council has not yot decided npon the report of the commitree on curriculum. E. W. Jarvis, B. A., has been appointed Registrar and D. MacArthur, Barsar.

## Trachers' Associations.

## NORTH HASTLNGS.

Proarammer,-Friday, February Bth, il ann., Mr. Charles Fullor, "On Toaching Spelling; 2 p.m. J. A. McLellaz, LL.D., Booior Bigh School H.suec Bocure it ;" Flétion of oflicors, \&o. 7.80 p. m.-J.' A. McLpllan, LL.D., Public Locture, "Canads's Elements of National Yowor."
 the Progress of olir Schools." Mir Silith Curtis. Mhioe Aicilol School. "Goo-
 Wa Mackisto
J. M. Nichol, Secretary.

PIANCE EDWARD.
Progmabarf-Frinn:, Fob 1st, 9an!.. "Jnnior Graminar," v. R Brown,


 hathout y.




( 1 1) Piatry, President.
W Il. Brown, Suctetary
South Lffens. - The last meeting was held in Brockville, Dr. Law, H. S. Master, in the chnir. He dolivered the opening alilress on "I_ight and Vision." The other subjects discussed were" "Oliject Lassons," M. White, Brockrille ; "The Study of Langunge," A. Johnston, B. A., Gananotute; "Elementary Mechames," Inspector 13gg, Brockville; " Cilacial Action and Cosmic Changes of ' Imate," Mr. James Mitchell, 3rochville; "Mathematical Training," Charles Clarkson, 13. A., Brockville ; "drithmetic," J. A. McIellan, M.A., L.L.D., Toronto; "Truest Education," lecv. G. Burnfieh. M.A.; "Errors in School Wurh," In-
 A wry interesting meeting asa helh during the ovenng of the first day, at which readings music, and addresses were given by Dr. MeLellan and others.

Watenloo.-The regalar semi-ammal meeting of the Waterloo Connty Teachers' Association was lueld on January loth sum 11th, in the Central School at Borlin. The attendance was musually large, and the meeting proved most interesting and successful. On the fiust day the programme followed out was as fullows: lemarks on atap I)rawing, hy Mr. W. T. Biggs: Hygiene, by Mr. Samuel Mchae ; How to Tench Composition, by Mr. J. 13. Dalzell; How to Teach Reading to Begiuuers, by Mr. S. Eby ; an Essay, by Mr. W. F. Chapman; and an Essay on Harmony between Teacher and l'upil, by Mr. W. Scott. In the evening Mr. G. W. Ross, M.I., Inspector of Mudet Schools, delivered a lecture before the body on "The lrogress ant Efliciency of our School System for the last twenty"ave years." On the second day, Mr. lloss gave an address on "The Science of Teaching," Rov. James Bugd real an Essay on "Self-Cul. ture "Mr. Ross tool: "p the question of "School Mauagement," and Mr. Pearce, Puhlic School inspector, the "Difticulties of Teaching German to English Children." A discussion was held regarding the formation of a teuchers' library, it heing finally agreed to have the library, the samo to be divided in five sections, one part remaining in each township

Nontr Penta - 'The first meeting of the North Perth Teachers' Asp')ciation was held in the Central School, Listowel, on January 3rd, the President, Mr. James Crozier, Head Master of Listowol High School, in the chair, and about forty teachers present. An inaugoral address was delivered by the President. Dr. Hudgnns, Depaty Minister of Education, delivered an address on "The Edacational Lessons of the Amencan Centeunial Exhibitiun." The other subjects discussed were as follows: "Natural Philosophy," Mr. Cruziar, "Arithmetic and Algebra," J. A. McKellar, LL.D. ; "Reading," J. A. McLollan, M.A., LL.D.

Tononto. - Tho regular sewi-annual meeting of the Toronto Teachers' Association was held in the Public Hall of the Norma! School on the 24th and 25th of January. The President, Mr. Hughes, occupied the chair. The following programmo was carried out, and many very practical suggestions were made by the conductors and others who took part in the discussions: "How to Teach the First header," Mr. R. Lewis; "How to Teach History," Miss C. Fraser; "The Effects of School Habits on Character," Mr. R. W. Doan; "Practical Hints Regarding Order," the Assuciation, "How to Teach Redaction and the Compuund Rules," Mr. L. Clark; "How to Teach Enclid," Mr. M. Gill; "Forms for Analysis and Parsing," Messrs. G. Crane and A. Hendry. The attendance of teachers was very creditable. Thero were 132 teachers present during the opening session. Dr. Wilson delivered a very excollent address on Friday evening on "IReligious Teaching in the Public Schools." He denied that our national schools were "godless" because the Bible was not a text-book in them, and urged npon the teachers the necessity of their taking every proper opportauity of sowing in tho minds and hearts of their scholars the seeds of true Christian morality.

Give information in a manner which will cause the scholar to count it wortl his hearing. Interest the scholar in a subject, and ho will cheerfully give attention. Awaken the scholar's sympathy with the subject, and he will give earnest heed. Excite curiosity in the mind, and cheerful, earnest attention follows. Curiosity in children is but an appetite after knowledge. I doubt not but one great reason why many children abandon themselves wholly to silly sports, and trifle away all their time insipidly, is becauso they find their curinsity baulked, and their inquiries neglected.

## JANE COUR'TNEY

by mbs. jeseveball M, winjon.
About the time of Christmans
(Fiot many years ngo),
When the sky was hate
With wrath and rack,
dind the earth was white with smow:
When loudly rang the tumult
Of winds and waves at strifo.
In her home by the sen
With hor babe on hor kneo,
Sat Harry Courtucy's wifo.
Aul he was on the water,
Although she know not where;
For never a lip conld tell of tho ship,
To lighten her heart's despair;
And her linbe was faling and dying; The pulso in the tiny wrist
Was all but still,
And tho brow was chill
And pale ns the white sea mist.
Jano Courtnev's heart was hopeless;
She conld only weep and pray
'Ihat the Shepherd mild
Wonld take her child,
Withont a pain, amay.
The night grew dark and darker, And the storm grew stronger still,
And, buried in deep
And treamless slerp,
Lay tho hamet undet the hill.
The fire was dead on tho hearth stoue Within Jane 'ourtney's room, And still sat she,
With her babe on hor knoe. At prayer at. .d the gloom;
When, borne above the tempest, A sound fell on her ear,
Thrilling her through,
For well she knew 'Twas the roice of nurtal fea!
And a light leapt in at the latiice, Sudden mad swift aud red,
Crimsoning all
The whited wall
And the floor ame the roof ocelleat.
It shone with a radinnt glesy On the face of the dying child,
Like a fair first ray
Of the shadowless day
Of the land of the madetiled.
And it lighted the mother's features With a glow so strange and now,
That the white despair
That had gathered there Seemed changed to hoje's own bue.
For one briei moment, heedless Of the babe upon her knce,
With tho freazied start
Of a frigł tened heart,
Upon her feet ruse she.
And through the quaint old casement She looked upon the sea;
Thank God that the sight
She saw that night So rare a sight should le :
Hemm'd in by many a billow With mad and foaming lip,
A mile from shore,
Or hardly more, She sary a gallant ship-
Aflame from deck to topmest, Aflame from stem to stern,
For there seemed no speck
On all that preck
Where the fierce fire did not burn ;
Till the night was like a sunset, And the sea like a sea of blood.
And the rocks and the shore
Were bathed sll o'er
Aud drenched with the gory flood.
She looked and looked till the terror Wont creeping through every limb, And her breath came quick,
And her heart tarnod sick, And her sight grow lizzy and dim; And her lips had lost their utterance,

For sho tried, but could not speak ;
And he feolings found
No chmmel of sound
In prayer, or sol, or shriok.
Silent she stood, nul ribid,
With her child to hor bosom pressed,
I ike a womma of atone
With stiff arms thrown

- Romed a scalpturod babo at hor breast.

Onco more that ery of nuguish
'lirilled throngh tho tempest's strife ; And it stirred again
In her heart and brain
The active thinking life.
And the light of an inspuration Iceap'd to her brightenod ejo, And on lip and brow
Was written now
A nurpose pure and high.
Swaftly sho turned, and softly,
She crossed the chamber floor,
And faltoring not,
In his tiny cot
Sh ${ }^{-}$id tho unbe ehe bore:
And then, with R holy impulse. She sank to her knees, and mado
A lowly prayer
In the silence there,
And this is the prayer she prayed:
" O Clirist, who didet bear the scourging, But who now dost wear the crown,
I, at thy feet,
0 true and sweot,
Woald lay my burden duwn.
"Thou badest me love and cherish
The babe Thon gavest me,
And I hare kept
Thy word, nor stept
Asite from following Thee.
And lo! the boy is dying,
And vain is all my care,
And my burdon's weight
Is very great-
Yea, greater than I can bear.
"O Lord, Thou know'si what peril Doth threat these poor men's lives,
And I, a woman
Most weak aud human, Do plead for their waiting wives.
Shon canst not lot them perish:
Lip, Lord, in thy strength, and saro
From the scorching breath
Of this terrible death
On the cruel winter wave!
" lake 'lhou 'uy babe and watch it No care is like to thine.
And let thy power
In this periloas hour
Supply what lack is mine."
And so her prayer she ended, And, risiug to her feet,
Gave one long look
At the cradle nook
Where the ciaild's faint pulses beat ;
And then with softest footstops
Retrod the chamber fioor,
And noiselessly groped
For the latch, and oped And passed from ont the door.
The snow lay deop and drifted As far as sight could reach,
Sare where alone
The dank weed strown Did mark the sloping beach.
But whether 'twas land, or oceau, Or rock, or sand, or snow,
Or sky o'erhead-
On all was shed
The same fierce iatal glow.
And through the tempest bravely Jane Courtney fought her way
By snowy deep
And slippery stecp
To where her duty lay.
And she journeyed onward, breathless, Aud weary, and sore, and fuint.
Yet forward pressed

With the strength and the zest And the ardor of a saint.
Silont and wiord and lonely,
Amid the countless graves,
Stood the old gray church
On its tall rock perch,
Secure from the sen and its wasos.
And boneath its sacred shanuw Lay the hamlet safo and still,
For bowever the sea
And the wimd might be,
There was quiot undor the hill.
June Courtnoy reached the ohureh-yard, And stood by the old church-duor,
I3ut the oak was tongh,
And had bolts enough,
And her strongth was fruil and poor ;
So she crept through a narrow wintow, And climbed the belfy stair,
And grasp'd the ropo-
Sole cord of hope
For tho mariners in despair :
And the wild wind helped her bravely, . And she wrought with an carnest will.
And the clamorous bell
Spako out right well
To the hamlot under the hill.
And it roused tho slumbering fishers, Nar its warning task gave o'or
Cill a huudred fleot
And eager feet
Wero harryiug to the sliore;
And then it coased its ringing, For the woman's work was done,
And many a bont
That was now afloat Show'd man's work was begun.
But tho ringer in the belfry Lay motionless and cold.
With tho cord of hope,
The church-boll rope, Still in her frozen hold.
How long she lay it boots not, But she woke from her swoon at last
In her own bright room,
To find the gloom
And the grief and tho peril past;
With a sense of joy within her, And the Christ's sweet presence near,
And friends around
And the cooing gound Of her sweet babe's voice in her oax.
And they tolu her all tho story -
How a brave and gallant few
O'ercame each chock,
And reached the wreok, And eaved the bopeless crow :
And how the curious sexton Had climbed the belfry stair, And of his fright
Whee, cold and white, He found her lying there;
And how, when they had borns her Back to her home again,
The child she hed left
With a heart bereft Of hope, and weary with pain,
Was found within its crarile In a quict slumbor laid,
With a peaceful smile
On its lips the while,
Aud the wasting sickness stay'd ;
And she said 'twas the Christ who watched it And brought it safely throngh;
And she praised his truth
And his tonder rath,
Who had saved her darling, too.
And first there came a letter Across the surging foam,
And then the breeze
Across the seas
Bore Harry Courtney home ;
And they told him all the story
That still their children toll-
Of the fearful sight
On that winter night,
And the woman who rang tho boll.

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