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# The Canada School Journal. 

Vol. X.


## THE CANADAA SeHOOL JOURNALI.

Editod by J. E. WELLS, M.A.<br>and a stall of competent lrovincial editors.<br>An Edueational Journa! decoted to the adotncement of Literature, Seience, and the teaching prafestion in Canada.

——OTILYMIS.-0——
 annum, ;strictly in adtance.

DIS. ONTENUANChm.-Timb Casada School Joleral will not bo sent to any person after the oxpiration of the time for which payment has been made.

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J. L. ROBERTSON,

Secretary-Treasurer.
JACOB M. KENNEDY,
Businets Manager.
Topics of the Times.
Her Majesty has conferred the Grand Cross of the Order of the Bath on Sir John A. Macdonald.

Sir John A. Macdonald and President Stephen, of the C. P. R., sailed from England for Canada on the 29th inst.

Thomas David King, an enthusiastic student and patron of Literature and the originator of the Shakespeare Club of Montreal, is dead.

A cablegram announces that Mr. Matthew Arnold is about to make an extensive tour in America, and has resigned the Inspectorship of Schools, for that purpose.

The Right Hon. George J. Shaw-Lefevre, M.P., has been appointed Postmaster-General of Great Britain, zice Mr. Fawcett, deceased.

All is quiet on Manhattan Island. Blaine and the Republican committee accepted the situation and Grover Cleveland is virtually President of the United States.

The Canadian boatmen are beginning to find that they laughed too soon at the Nile cataracts. They mad their task both difficult and dangerous.

Scientific experimenters in Paris claim to have succeeded in operating a printing press by concentrating the sun's rays upon a steam boiler, by means of reflectors.

Gen. Wolseley has received a letter from Gen. Gordon, dated Khartoum, Nov. 4th. The details are not made public, but Gordon says his pos: in in Khartoum is very secure and his troops in excellent spirits.

John Newton, Chief of Engineers in the United States, in his annual report to Washington, says the American coast defences are not sufficiently strong to resist attack from the most insignificant enemy:

At a meeting of the Imperial $\mathrm{Federation} \mathrm{Conference} \mathrm{in} \mathrm{Lon-}$ don on the 17 th and 18 th inst., Sir John A. Macdonald spoke strongly in support of the movement and afterwards moved the appointment of the General Committee.

The Jamaica Legislature have declined by an emphatic vote of 8 10 1-Mr. Sulomon himself being the glorious minorityto ask admission to the Canadian confederation. What a waste of good editorial thunder we have had, to be sure !

An iniunction having been issued to prevent Louisa. Devey from publishing Lord Lyton's letters, she says she will be obligr, it to use other and not less forcible evidence to vindicate Lady Lytton.

Mr. Trevelyan, late Irish Secietary, has been made Chancellor of the Duchy of Lancaster, with a seat in the cabinet. Mr Campbell Bannerman, a Scotcluman and kinsman of the Duke of Argyle and Marquis of Lorne, has succeeded to the thorny chair of the Irish Secretaryship.

The largest main building ever erected, it is said, is now completed at New Oileans, for the coming World's Exhibition. It roufs thirty-three acres without partiiions. It is twelve acres larger in extent than all the buildings of the greatest London exposition together.

Rarely has posthumous biography proved so disastrous to a great reputation as in the case of Froud's rarlyle. It seems too bad to lift the veil from the private life of one revered as a literary prince and seer, only to reveal a poor specimen of dyspeptic, splenetic, cantankerous humanity.

Considerable interest attaches to the efforts that are being persistently made to open up a new trade between Europe and Siberia, by the North Sea. Siberia is tich in minerals and a large part of it well suited for grai: growing and its developement will be of importance to the whole civilized world.

From addresses recently delivered in comnection with the movement in the United States for doing away with the contract labour system in prisons, it appears that about 60,000 per sons are now in duress in the Unted States on account of crime, and that two-thirds of them are under thirty years of age.

The new French method of fightug without making war has its disadvantages. The Egyptian Government has refused the French demand for an embargo on 100 Krupp cannon, recently sold by Eeppt to a German firm, and suspected to be destined for China, on the ground that France has not declared war against China.

The Molecular telephones which are shortly to be introduced into London, are said to poseess many new and important features, among which is that of emabling one to hear distinctly a person at a long distance talking almost in a whisper and entirely doing away with the disagrecable crackling sensation so annoying to all familiar with other instruments.

The Czar of Russia has suppressed nine newspapers since he began his reign. Only two Liberal newspapers now remain in all Russia and they hourly expect to be forbidden. Surely the time is not far distant when the Emperor of Russia will learn that such attempts to suppress the expression of public opiaion have no other effect than to plant thorns in his own path.

The Senate of the University of Toronto has received a petition signed by $10 S$ students, representing the Y. M. C. A. of University College, asking permission to erect on some suitable part of the University grounds an Association Hall to be used for moral and religious purposes only, said students undertaking to raise funds needed to construct and maintain the building.

The despatches are as contradictory about the objects of Gen. Wolseley's expedition as about everything else in regard to the embroglio in Upper Egypt. One cablegram says his instructions are emphatic to no no further than is absolutely required in order to rescue Gordon and his band, while another alleges that he is not forbidden to establish a stable Government in and around Khar:oum, if he deems it necessary.

Silk culture bids fair to becume a popular industry in the United States. At the recent fair in Boston, there was a remarkable exhibition of cocoons. They have now been produced
in every State of the Union, Kentucky and one or two others bearing off the palm. The indications are that cocoon raising will become an casy means of adding materially to the income of many homes.

The East Middlesex Teachers' Association held in Iondon on the $3^{\text {th }}$ and 14 th mst., passed resolutions recommending the abolution of the chase in the School Law which gave power to the local authorities to vary the length of holidays, and asking that the compulsory features of the Supermmuation scheme be abrogated and stubscription to its funds made optional with teachers.

The Chicago Curient avouches that the "politicians are drones;" that they "are but a tax on the people at the best," and calls on "the men who do the hard, grinding work of the world-who toil and sweat all day and plan all night," to form an "anti political-nonsense leaguc" in iSSS and have done with this system of Presidential elections which ruins the business of one out of every four years.

The proceedings at the Congo Conference now in session at Benlin are to be secret. Stanfey is not to be admitted to its deliberations but his testimony may be called for. It is devoutly to be wished that some international action may be taken to stay the unspeakable horrors of the slave trade carried on by the Arabs, of which Stanley gave so harrowing an account the other day before the British and Foreign Anti-Slavery Society, in Manchester.

It affords us .nuch pleasure to present to our readers, in this iss e of the School. Journal, an origimal poem by Mr. Geo. W. Johnson, Head Master Model School, Hamilton. As the author of such beautiful and popular pieces as "When You and I Were Young, Masgic," and "Wanting, a Recommendation," Mr. Johnson has justly eitablished a claim to high rank among Canadian authors. We trust to be able, from time to time, to publish in the Wefkly School Journal other contributions from the pen of this gifed writer.

Mr. Gladstone intimated in the House of Commons and Lord Granville in the Upper Chamber that, on receipt of an adeguate assurance from the Opposition that the Franchise Bill shall be passed this atumm, his Government was willing to make the main features of the Redistribution Bill a subject of friendly conference, or to introduce a measure forthwith and press it with all speed, but they would make it a vital point to carry the Frand hise bill early next year. A late despatch says that the Lords have accepted the compromise and read the Bill a second time without division.

The fact that seven young ladies are already attending lectures in University College and that several more intend prescating themselves next term, shows pretty clearly that the demand was not wholly imaginary. The throwing open of the College doors is an act of sirple justice but by no means a solution of the problem of \& iversity education for women.

There is a grand opportunity for wealthy philanthropits who wish to confer lasting benefit upon their country. The man, or men who will found, in Trronto, a well equipped Ladies' University College, on the principle of Girton or the Harvard annex, will deserve well, not only of his own but of all coming generations.

The resigmation of Mr. D. H. Hunter, B.A., of the headmastership of the Waterdown High School, to accept that of the Woodstock Collegiate Institute, calls for more than a passing notice. Mr. Hunter, during a comection of some eight or nine years with the inssitution he now leaves, has earned for himself a place in the front rank of teachers in Ontario. Under his management the Waterdown High School has steadily risen un:il it is justly regarded as one of the best institutions of the kind in the Dominion. Mr Hunter stands high in the esteem of the people in Waterduwn and is beloved by his pupits. Many will regret his departure, but all will be glad to know that the change means his promotion to a wider sphere of usefulness and one in which he will have a better field for the exercise of bis abilities as an educator.

## © 0 itorial.

## TORONTO UNITERSITY CURRICULUM.

Every change made in the Entrance Examination of the Provincial University is a matter of deep interest to the collegiate institutes, the high schools, and even the public schools of the Province. Just now the University curriculum is under going revision, and as it will be fixed for five years after adop. tion it is well for teachers to see in what direction the alterarions tend.

In classics it i.s proposed to encourage practical work in tranvlation, and to insist as far as possible on a more thorough and intelligent acquaintance with grammar. The examination in Latin Prose will be based, for pass work, on a portion of Badley's edition of Arnold's work, which will afford a fairer test of the candidate's real attainments than the usual practice does. For honor work at matriculation the texts selected are to some extent identical with those selected for pass work in the first gear, thus facilitating the classification of pupils in schools which attempt first year work. The increased importance attached to sight translation, even with the aid of the dictionary thrown in, will tend to discourage rote work, which has lately been driving all conscientious translation out of our schools and colleges.

The mathematical requirements of the curriculum remain unchanged, but there will probably be introduced under the head of scient. some optional woris in applied mathematics, such as bigh school masters and pupils have long been familiar with under the title of natural philo oophy. The other optional subjects in the same class will be chemistry and botany; each candic : being allowed to obtain marks in only one of the three. For even this modicum of recognition those schools which under adverse circumstances cultivate natural science will be thankful.

The requirements in history and geograpiny remain un ${ }^{-}$ changed, but a note in the new curriculum indicates that the prescribed period in English history is intended to cover also the histories of the colonies. This is the response to the high school misters' request to have Canadian history placed in the curriculum, and in the hands of judicious examiners it may serve the purpose. It would have been as well, however, to have Canadian history specifically.
In French and German an attempt has been made to give a betier practical direction to school work by requiring candidates for honors at miatriculation and for first year pass to write passages from dictation. Practice of this kind will educate the pupits in the phonetics of the language taught, and will prepare them for acquiring at a later stage some facility in conversation. The honor work for matriculation has been made identical with the pass work of the first year for the purpose of simplifying classification in the schools.
The most important changes have been made in the department of English. For matriculation the texts for critical reading are changed annually, so that even stupid examiners can hardly fail to set fair papers. The rep.titon of the same texts leads on the one hand to the anticipation of stock questione - $n$ the part of the teacher, and on the other to a resort on the $\mathfrak{p}$.art of the examiner to out of the way topics in order to discourage rote work. It is hoped that frequent changes of texts will minimize this growing evil. For the first tume prose texts have been prescribed, and the Senate indicates a judicious use of them by specifying that they are intended solely as the basis of exercises in composition. For the first year pass a play of Shakespeare has been prescribed, so that hereafter no man will be able to complete his university career without having read at least one great English classic. It is possible that certain features of the English department may be in the opinion of some educationists capable of further improvement, but it is now much better than ever before, and five years' cxperience will no doubt suggest useful amendments.-William Houston, M. A.

## OUR NEW DEPARTURE.

In submitting this specimen number of the Cavada School Journal to our patrons not many words are needed. It affords cause for mutual congratulation that the day has at length come when such an advance-step may be made with comparative safety. It is for our readers, no less than for us, to say what measure of success shall attend the venture. The true success of the Journal will depend as much upon the hearty co-operation, not only of members of the teaching profession, but of all who are interested-as who is not?-in the great work of national education, as upon the energy and ability of editors and publishers. The latter are resolved to spare neither toil nor expense to make the Canada School Journal, more and more an efficient and powerful organ of the guild of Canadian teachers. May they not confidently reckon upon the. active sympathy and substantial aid of the former?

We need not refer to the work of the Journat. in the past. That is upon record and will speak for itself. Its issue now as a weekly, means simply a great advance all along the line. It means stepping up to a still higher plane and out into a wider field. It means that its opportunities and appliances for serving the cause of Canadian teachers and Camadian education are to be multiplied many fold. Let all who sympathize with these aims take hold and help us by their subscriptions, their contributions, their advocacy, to make the Canada School Journal, primus inter pares, amongst the weekly educational papers of England and America.

There are now at least seven leading universities in the United States which have established chairs of pedagogics. Acadin, in Nova Scotia, has the honor of being the first, and is, so far as we are aware, the only Canadian University $w$ aich has, as yet, recognized, in this practical way, the claincs of Pedagogy, or Teaching, to be regarded and studied as a science.

We want to make the School Journal more and more helpful to teachers in their daily work. We should like to see it become largely a medium of communication between teachers, through which the young and inexperienced may be able to receive wise counsel and suggestion from the more mature and experienced. To this end we invite questions and contributions. The questinns when not answ red by correspondents, we shall answer, not with infallible wisdom, but to the best of our ability, aided $t y$ all the resources at our command for consultation and advice. Short, pointed communications on live educational topics wil? alwajs be welcome and have due prom. inence.

## $\because$ USINESS ANNOUNCEMENT.

With the November number the Monthly School. Journal will be discontinued, or rather merged in the Weerly. The regular issue of the latter will commence with the first week in January. All subscribers to the Monthly, who have paid for a longer or a shorter time in advance will receive the Weekly for the unexpired period. New subscriptions and renerals of those which have expired are sulicited in full confidence that the new arrangements will produce a paper far in advance of what was possible under the old. Not only will the subscribers henceforth receive fifty-two numbers in the year inste ad of twelve, but provision is being made at great increase of expense, to make the paper increasingly worthy of patronage in every respect. The weekly issue ncesssitates the constant attention of a skilful manager, and the regu'ar services o: a com. petent writer and educator as editor, in addition to lucal aud departmental cditors and contributors in evcry Province. In order to enhance its interest and value, not only for teachers, but for all classes of readers, its pages will every week contain carefully written news notes, and brief articles on current sopics, as rell as notes, tales and other literary sclections from the best perindicals. In short, ncither effort nor expense will be epared to furn'sh a p per whusc weekly visits will be eagerly wele med not ot ly by wa. h. rs but bs pasciots and pupils one worthy of a place in every family in the land. In urdur tu ac-
complish this we want the help of every teacher both in enlarging our subscription list and by way of contribution, suggestion, or critic'sm. Will you not help us, in all these ways, to make the Journal the brightest, breeziest, spiciest and most reliable school paper on the Continent?

## AT HOME AND ABROAD.

The struggle between the Lords and Commons, in the British Parliament, is at an end, and the nation again breathes frecly. Their Lordships have accepted with the best grace possible the slight concessions offered by Lord Granville on behalf of the Government. Precedents and probabilities all pointed to this as the outcome of the conflict. It is not the first time by many when their Lordships have founc it expedient to retreat from an untenable position and bow to the will of the people as expressed throush their representatives. Had they been, on the other hand, so infatuated as to reject the bill a second time, it would have been hard to predict the consequences. One thing is certain. The will of the people will be found the supreme law. With the consent of the Lords, or without it, through the Upper Chamber, or over it, the decisions of the people's Chamber on questions affecting the people's interests, will be carried into effect.

Still it would, we conceive, be a mistake to suppose as many seem to do, that the House of Lords was in any serious danger of immediate overthrow. It rests on a more stable foundation than we on this side the water are apt to think. Those rection without their host who think of it as upheld by the aristocracy only. It it deeply rooted in the popular imagination. It is cherished by a large and influential portion of the middle classes. It is revered by multitudes in the lower. Any convulsion powerful enough to wrench it from its ancient foundation would shake the nation to its very centre. There can, it is true, be little doubt that the people are gradually outgrowing the conditions which give the hereditary body its strength. But they are as yet far from having outgrown them.

On the other hand the transparent justice of the principle underlying the bill in question put their Lordships so completely in the wrong, that continued resistance would have done more than almost anything else to impair their prestige and hasten their downfall. They themselves were unable to deny the inherent righteousness of the measure which simply does away with an invidinus distinction between the men of the country and those of the city.

As to the rest Mr. Chamberlain's impeachment of the usefulness of an Cepper Huuse is crushing. The chief argument in support of such an institution is usually drawn from its fancied beneficent agency in checking hasty legislation. Mr. Chamberlain collates the most noted modern mstances in which the action of the Lord's has delayed the adoption of important measures sent up from the Commons, such as the various Reform Bills, the Irish Land Act, etc. "In which of these cases," he asks, "was the nation the better for the delay?" The question has much practical point, and will be fuund a hard one to answer by the adrucatcs of either an hereditary or 2 nominated Secund Chamber. The respunsibility of Constr-
tutional Governments, the accountability of the people's representatives and the forms of Parliamentary procedure supply the most effectual safeguards against ill-considered legislation.

The tension of public feeling in England produced by the quarrel between Lords and Commons has had its counterpart in that caused in the United States by the closeness of the voting in the Presidential election. The danger of conflict has, however, passed away. The better sense and feeling of the people has prevailed. There is now no room for a reasonable doubt that Cleveland is fairly elected. The pivot on which the election turned was the vote of the State of New York, a state in which, happily, the intelligence of the people is so high, and respect for legal and constitutional forms so sincere, that a resort to either fraud or violence was from the first improbable. The late announcements that both Blaine and the Republican Committee have resolved to accept the issue is only what was to be expected.
The election has been one of the most remarkable, and we may add, the most hopeful, that has ever taken place in the United S:ates. For the first time, probably, in American histury, the personal character of the candidates was with an influential body of electors the chief point of interest. The power of "the machine" has been broken. The "divine and inalienable right of bolting" has been vindicated. The Independent Republicans turned the scale by voting for the Democratic candidate. They did so on the high ground of principle, in the interest of national morality. They declared by their action, that no bonds of prty allegiance should harness them to the triumphal charist of a ca adidate whose rerord they believed to be bad and whose principles and methods they regarded as irredeemably corrupt. Few will doubt that had the Republican Cowvention nominated an able man of irreproachable character he would have been elected by a sweeping majority, or that Cleveland's pluralities would have, on the other hand, been much greater, but for the dark blot on one page of his early history. The le aders of both parties have been taught a lesson which, it is to be hoped, they will lay to hieart. A not improbable result would be the uprising of a third great party, free from the c rruption and dyeneracy of both the old ones, and based on purer and more patriotic principles.

In Canada there is happily no one question of supreme importance agitating the minds of the people. The announcement, should it be confirmed, that President Stephen is returning from E.gland withuut having found money for more than the partial construction of a single branch road in the North-West, will cause serious disappointment and, it may be feared, discontent amongst our fellowcountrymen, in that great country. Curiosity is still on the qui uive as to the "public business" which", it is said, has been occupying the attention of the Premier, conjointly with the consaltation of his medical adviser, in England. Probably we shall haye to wait till the opening of Parliament for an authuritative explanation. Writers in the press still keep pruphesying
change of some sort in the relations of the Provinces to each other and of the whole to the Empire. That the Confederation has not thus far developed the strong Canadian feeling many hoped for and prophesied, is, unhappily, too obvious. It is somewhat discouraging to a Canadian loyalist to find so many, especially amongst the younger men, who really do not seem to care a fig for retaining either the bond of union between the Provinces or the connection with the Mnther Country. One thing impresses itself on the mind of an onlocker, though it has not, we believe, been distinctly pointed out. Each of the various nostrums offered for the cure of our commercial and political ills logically carries with it the idea of absolute freedom on the part of Canadians to shape their own destiny. In other words, they make practical independence the necessary starting point. To be constantly digging up the ronts of a plant is not the best way to promote its growth. It any statesman or party can devise a means of cultivating amongst us a true love of our own land, a deep and abiding Canadian sentiment, they will have deserved will of their country.

## Special Articles.

## THE BIBLE LN PUBLIC SCHOOLS.

After a poriod of comparative quiescence, one of the Toronto dailies has taken up the vexed question of the "Bible in the public school," and.one of the advocates for the introduction, Rev. Dr. Laing e Dundas, furnishes a letter of thanks to the editor for the stand the latter has taken on the question. Dr. Laing also recounts ins reasons for his former and present advocacy. Dr. Ling further makes an attack upon our educational system because the Minister cannot see as he sees upon the subject. Without assailing Dr. Lasing's reasons, I have a point or two to which I should like to call his attention. In the first case, were the Government to prescribe the Bible as a text-buok in our schools, I presume that Dr. Laing would have something moro than mere bible realing. He would, durbtless, have our teachers give explanations of the various portions of seripture coming up for consideration. If he did not, I much fear we should have boys leaving school with much tho same idens with reference to the parable of the sower that many of their fathers have left to the church.

He also urges that in case a Roman Catholic should not care to tako part i:a the exercise he might leave the room, as provided by law. Now, I think that Dr. Laing must admit that the reason for the Catholic pupil leaving the recitation room would be sololy one of doctrine,for, we cannot suppose that he would infer that because the pupil was a Roman Catholic he would not wish to listen to a moral lesson. Nors, grantung that the papils of this particular sect absent themselves on a question of ductrinte, on the same lugic why should nut pupils of the Episcupalian or Methodist denominations absent themselves while a Presbyterian teacher is giving his explauations, or vice rersa? For, try as we may, early training and prejudice cannot fail to leave thoir impress upon our teaching.
Further, should the State prescribe religious instruction in our schools, to place our teachers in a just position with the ratepayurs of their sections they (the Goverament) must prescribo of what this religious mastruction shall consist, for how otherwise is a teacher to reconcle the various clements in his section to the style of his mstruction unless that instruction has the stanp of dupartmontal authority, whon, should his teaching cloah with the pre-
conceived ideas of some of his ratepayers, ho may say, "I am only' carrying out the Jaw as laid down in our regulations."

Then, granting this. the adrocates of the introluction of biblical study would have the (ioverument prepare a nation:al code of ethice, which, while not saying what wo shall not believe, would assert that certain things must be accepted, and the teaching must be conducted on those lines.

Acain, our public schools aro intended to be just what their name implies-schools for the public, whether that public may consist of Metholists, Preshyterime, Episcopalians or Catholies, or a mixture of all these; and 1 contend that anything which has a tendency to make them any other than public schools, in the widest sense of the term, is an enomy to that educational structure which we are, with so much care, endeavoring to rear in our young Dominion. Instead of introducing new features which can have only the tendency to create distrust of our system among our Catholic fellow. citizens, and strengthen them in their desire for Separate Schools, we should endeavor to let them seo that their pupils may attend our public schools with no more fear of their religious feelings being hurt, and with the same feeling of security as meet now the children of the Calvinist, the Baptist, $r$ in fact, the children of parents of any other Christian denominatic .
Wingham, Nov. 14.
W. E. Grioves.

THE HEALTH OF TEACHERS, -WHO IS RESPONSIBLE?

## BY MRS EVA D. KELLOGG.

In the ebb and flow of the educational tide every possible reform seems to have come to the surface except the necessary care of the physical well-being of teachers. A long line of high-salaried officials engaged to bring the schools to the highest degree of perfection evolve, from long and critical stuily of the best thought and most progressive theories of the old and new world, a complete programme for chth-development in intelligent psychological conditions of the haman mind, from sense-impraxsions to the sovereign will; palatial buildings are erected, combining all the latest iscovories in light, heating, and ventulation; thoughtful suggestions, full of common-sense and wise foresight for the mental, moral, and physical good of the children, are not wanting; and thus the modern school that crystallizes all the discoveries of the century is ready to begin.

But where is the force to set all thes tremendous scheme in action? Who is the engine power to carry forward this admirably equipped train, crowded with human sulals that are to shape and mould a nation's destiny? Tue Teacuer. Evelything depends on her for the failure or success of thuse magnificent preparations. Would it not seem that too mneh care could not be used to keep her physically strong for her laties and responsible gosition! Perhaps she is a young, inmatuse, incxperienced girl, the fresta prodesct of the schuols; feshaps at woman whotinows life and has studied children from the ulijects themselves ustead of their peetic pietures; but, Whoever sle m. bey be, or however she may have drifted through peronalal or pritital influence into this place of fearful rosponsibilitics where angels might fear to tread, she enters it, and the deur is shut, as far as any oversight of her jhysical or social needs is concerned. She at once beeones a target fur the omme. scient public, and a source of anxiety or satisfaction to the hager powers, as she heips or hinders the ir beathifully rounded scheme of mind development.

The accomplishment of every fine educational purpose ; the successiful working of every now method; in short, the height of all perfection in school wori is measured accurately by the teacher's
fituess for her place, and that fitness is often largely decided by tho amount of her physical strength. Yet a school prugramme is arranged with no referenco whatever to her ability to physically stand up u:der it.

It is decided that written examinations should bo held so many times a month; but who among the powers that be proposes to modify or change this, hecanse this work will oblige the teacher to spend hour after hour, includng the gelden Saturdays, in bending over these hieroglyphic "papers," with aching back, head, and eyes, when she ought to be out in God's sumshme, taking in oxygen, hope and courage for her next week's work? . . . . Those teachers who ignore their own plysical. needs, and go up under pressure like mercury in a tube, carry up with them the admiration of the hagher powers, and, under this added stimulus of their praise as "devoted," "working" teachers, exert the last ounce of remaining strength, and then,-break down. The lines close up as they fall and present an unbro:en front to the public, who scarcely stop to inquire the fate cf the absent teacher who stool, year after year, giving out the best of her mind, heart, body, and soul to their children, who seemingly forget her in a day.

These facts, with all their tragic sadness, fail to arouse the consciences of good men and women. No one accepts any responsibility in the matter. The supply of high per cent. teachers (the "survival of the firtesr"? waiting for vacancies is greater than the demand, and no immediate exigency in that quarter will call the needful attention to the slow, but sure, wrecking of the health and strength of so many of our finest teachers. If the actual physical condition of every American teacher, who has been for any length of tine engaged in this most wearing occupation under the sun, and has given herself to her uork, could be taken to-day, even after a summer's rest, and the facts given to the sovereign people, who can be trusted to be just when they know the truth, - we belicve the universal verdict would be, Give the children less, and save the teachers.

## THE OLD MAN AT SCHOOL.

Written for the "Canada School Journal."
By g. W. Jounson, h.m. M.S., hamilton.
I've come to visit the schonl, boys, And take a look round, you know, To sec if there's much of a diff'rence, Since forty years ago.
Your school-house is more like a palace, There's change in lesson and rule,
There's change in teacher and scholar S sce I was a youngster at school.

While sitiing here watching and thinking, My men'ry roamed olf at its will
To a veny ditferent schoulhouseA little log-house on a hill-

Contrasting the past with tho present, Our chance and impiovident heed,
Your chances and means of improvemen: You ought to be happy indecd.
Xou've two or three corners to travel ;
We'd miles, in the winter through snow;
You go or you stay at your pleasure,
We cried, for wo wanted to go-

Somorrhere else, for school wasn't enticing-. Webster's Spelling Book book of tho past,
When wed read it for fice ur six winters Began tor grow tedious at last.
You march to your seats like soldiers With musical tread on the floor;
We came in through the open window, If nearer our seat than the door.

You study Frencl, Latin and German, Sometimes cren S:uglish you try,
You know all nbout the old pagans, Can mensure the earth and the shy ;
We read, then we wrote, then we ciphered, And if after that there was lack,
Our cultivation was varied letween the mind and the back.

Your teachers are models of mercy, Their mandates engender no fear ;
To us half a dozen young earthquakes Were lurking in: " Geordie, come here!"

You " watch-chain" and " cane" your teachers, In hopes of prolon ying their stay;
We'd a very different object, And a very different way.
You've written examinations, With intinite worry and fuss;
We followed an easier method'Twas bigness that promoted us.

Yes, buys, there's a cinange in "lamin" (As wo called it), manner and rule,
Since the men who now are your fathers Were youngsters and went to school.

Ah! that little log-house on the hillside I seu it in memory yet;
And I think of the scholars departed With a sigh that is half of regret.
On its old batten-door our jackknives Carved our names (our only renown).
One third of the letters turned backwards, The rest of them upside duwn.

We each took our turn building fires; Before half tho lessuns were through,
'Twas a very poor morning for whipping, If we didn't take turns at that, too.
Old Benjamin Brown was the master, We prayed for han every day,
And fathomed how justicu and mercy Can temper a raw-hide at play.
His brows jutted out in their fierceness The width of a pigeon's wing ;
His eyes were like unchained bull-dogs Forover ready to spring.
H is aose, a crushed strawberry color ; Stood sentinel over a smile
That took on the look of an angel's Whenever he caught us in guile.

When school was called in after dinner
Ho'd doze with his shoulders bowed;
And this was alwaye n signal
That scholars might study aloud.
I still hear that wonderful cadenco That swelled, and sank, and roso,
Till the noise broke the thread of his slumbers, Or a fly settled down on his nose.

One day when the door he had bolted And warmly demanded our stay ;
Wo bolted the nearest winduw And promised to stny-away :

He followed us out of the window, We sprang in and fastened it down;
And the maddest man in the coun'y Wias schoolmaster Benjamin Brown.

In vain were his threats, his fury ; The door never yielded a pin ;
Till he'd promised us full and free pardon We still held the fort from within.

The sheep and the goats of his pasture Are scattered; the house on the hill
Is falling away into ruins-
It's used for a sheep-pen still.
In an old-fashioned church-yard near it The master is taking his rest-
"Ben. Brown" at the top of the head-stone, Beneatl it, " Ho did his best."

Good-bye to the flickering fancies, The friendships and laughter and groans, Good-bye to the dear old masterRequiescat in pace, his bones!

Whon I think of the past and the present, Our chance and improvident heed,
Your chances and means of improvementYou ought to be happy indeed.

## Correspondence.

## To the Editor of The Canada School Jourval.

Sir,-I would like to say a little in reply to the communication from an "Acadian School Mu'an" which appeared in the "Journal" of October. I have taught for a numbor of years in Country Schools and have nover had the trouble of "Please master can I go out? or with "Please Sir I haint got no pencil?" My pupils understand that recess is given for the purpose of drinking, having a short game, proparing for the next eighty or ninety minutes work, etc. If they wish to borrow any book or pencil, or if they wish to sharpen pencils, it is to be dono at recess. Thon if any pupils wish to retire from the rnom during the working hours, they may do so, (one at a time, and not remain out an unreasonable length of time) providing they lose a recess each time, unless it be for sickness (which rarely happens). But their retiring is not to interfere with any recitation.

The consequence of thas is I hase scarculy any rummig out, each pupil thanks the rule is just, therefore there is no grumbling about the "master heing awful cross"

I thinh this a much bettor plan than the "School Ma'am's," as I below o hers to be unjust to the dull pupils.
Now, Sir, this is the trest the I have attempted to write to the "Journal," a paper which I could not do without, and if you deom this worthy of space I would liko to write uinn a couple of other matters before lung.

> A York Colnty Teachbi.

## practical Bepartment.


#### Abstract

"Migwout ?" "Me getter rink?" "Mis peak?" this is the language often heard in the school-room. This ought not to be. Teachers should not allow it. When a pupil asks it question in such a vulcar, ungrimmatical way, he shond bo tatught to ask the question properly before receiving any grant or favor - Lotca Normal Monthly.


The fears entertained by many intelligent persons, at the opening of the schools, that the admission of the colored children to the white schonls would c:anse disturbance and the withdrawal of many white children, have nut been realized. It may seem strange, but it is true, that the children most difficult to control come from well-to-do and wealthy f.mailies. I do not mean to say they aro vicions, disrespectful, and impolite, but are indolent and averse to doing anything contrary to their own sweet wills. Thero is a good reason for this. They come to sehool withont knowing what it is to do anything that requires any sacritice of pleasure.-R. W. Stevenson, Niupt. SiChords, Columbus, 0.

An Essestiat Tunso. - Pupils must be trained to read and write their mother tongue correetly. Peach them to ilo this so that every schular, at fifteen years of are, shall bo able to read a newspaper readily ; shall be able to spell common words correctly; shall be able to converse free from provincialism in pronunctation; shall be able to write a legible letter in correct English. In reading, teach them not merely to pronounce words, bit to get at the meaning of what they read. There mast be nu shan schularship here. Good spelling is a conventional test of education, and oven a spelling lessun may be made the means of valuable mental training. - Jolun Sucett.

## COL. PALKER AND SPELLERS.

In his very practical address delivered before the Teachers Association in August. Col. Parker said, "Burn your Spollers." His adice on this subject was coldly recuined. Abrut twenty years ago he would have been loudly ipplauded in Tounto, if he had expressed the same opinion. Ohal spelling had been the only method of teaching spelling. Thoughtfil teachers suw the absurdity of this methoul. Cnfurtunatcly for the Speller it had been as long issociated with oral spelling, that the reformers regarded them as inseparable and thoughtlessly concluded that the Speller could only be used in connection with oral spelling. The wave of progress that swept away the one carried tho other with it. It was unquestionably a mistake to discard the Spellers. Most of thens wore bad cuough in themselves to deserve condemmation, and this made it essier to offer them up as a sacrifice of "burnt offering" on the altar of dactation. It does not seem to have wecurred to those who led in the crusade against them, that the Spellers maght be muproved. Dazzled by the lyght of the eruth whech they saw on one side, they were bude blind on the other side, and failed to see that the Speller might be used as a basis for the work in written spelling. So they took the clildren's bread from them and gave them the stone-d.ctation from the reading lessons. The bread was not so good as it should have been, lut it was better than the stume. Their mothen, learnang to spenil words by writmg then was excellent, but the sururce from which the words nere taken was utterly inadequate. Even if it were possible to leach all the words in the Reading books, pupils would still bo unable to spell many of the common words used in every-day life.

Must teachers wall fully ondurso Cul. Parkor's muthud of toaching spelling chictly by means of compusition. It is certainly our duty to teach the chiid his own vocabulary ; but it is also our duty to extond that vocabulary.. We can do neithor in a definite and systomatic manner, without a woll arranged surios of lessums. Siwh a series of lessons, whon prated we c.all a Spoller, and sach a Spoller properly used must prove of immense advantage in the schoulrown. I juin with Cul. Parkor in condemning the old-fashioned Spellers fillod with terrifiers ending in "osity" and "ation." They wore bad, and the oral method assuciated with thom was wurse; but a logically arranged Speller, with thu words classitied, generally under topical hoadings, may be used as tho basis for dictation lessons, and composition exercists, and it then fills a place which nothing else can fill so well.
Such a Speller may occasionally bo used with advantage in o al spelling, as there are somo pupils in whoso memories the spelling of a word is more tirmly tixed by perceptions received through the ear.

Yours, de.,
James L. Huoues,
P. S. Inspector, Toronto.

## Educitional glotes.

At the annual banquet of the Torunto School of Medicine, Prof. Clarke, of Trinity College, in roply to the vast "Universities and Colleges," said Trinity Collego would not bo greatly benefitted by federation. But he regarded too many Universities as an evil, as where there are so many Universities the value of a degree is not properly recognized. Canadi, in his opinion had too many Universites and he thought the number should be diminished.

The annual ditner of the students of Toronto School of Medicino was in great success this year. As usual, many of the distinguished men of the Province were present, and the numerous toasts proposed elicited much enthusiasm and many good speeches woro mado in reply. The students are to bo congratulated upon the oxcellent character of these banquets as woll as upon their good judgment in excluding from the tables all intoxicating liquors.
The Str.tford High Schuol has been constituted a Collegiate Institute, to tako effuct the first of tho yoar. Application has also been made for changing the High School at Strathroy to a Cullegiate Institute.
The closing examinations of the Normal Schools at Toronto and Ottawa begin on December 11th, and continue for four or five days.

Additional Intermediate Certificates have just been gr.unted by the Education Department to the following pupils of the Whitby Collegiate Institute: John G. Campbell, Josephine McBrady, George Emmett, James McBrady, Liura R. Gordon, Henry McBrien, Robert M. Holtby, Thomas Nolan, Thomas B. James, T. E. Rubinson, James R. Lawler, M. Wilson and W. Gee who wrote at the Iustitute also received Intermediate Certificates.

At a recent meeting of the Board of Education in Whitby, Mr. R. K. Urrs, letter tendering has resignation as Modern Languages' Mister, was ascepted. Mr. Orr has done good work in Whithy, and it is $t$, be regretted that the Schoul Buard could nut arrange to retain him.

The London, Ontario, School Bozrd have made arrangements to teach the boys and girls who attend the night schools, separately.
The High School at Port Hope is undergoing extensive repairs wheh will make it a very comfortable building.
Formal application having been made to the Education Department to have the Chathan High School raised to the status of a Collegiate Institute, H. S. Inspector Hodgson, M. A., made an official inspection of the School on the 13th and 14th November with a view to report on the matter. Notwithstanding the re-infusition of fees and the opening of the Ridgotown High School the attendance shows a considerable increase on that of last year at the same date. The record of the School for 1884, is as follows:-10 Second Class ( 5 A. and 5 B.), 19 Third Class and 31 Iutermediate Certificates, 3 Law Matriculants, 3 'Curonto University Mitriculants with 3 First Class and 3 Second Class Honours.

It is stated that there are 139 Medical Schools in the Cnited St:ites and Canadia, containing about 12,000 students-viz, 10,000 regular, 1,200 homanopathic, 750 eclectic, and 50 physic-medical students. The total number of doctors is about 100,000 , or on an average one to every 500 inhabitants.

The advantages offered by the leading Business Colleges are now being appreciated in Camnda. The Britush Amprican Business College, which was established in thes city about a quarter of a century ago, has fonad it necessary to change its quarters soveral times in urder to accumodate stadents. Its litest remuval was into the handsomo Areado Building on Yonge Strect, whero spacious rooms have been specially fitted for its uso, with all modern im. provenents. The reputation of this school is of the highest, and its management is excellont.

## 引jersomal.

Miss Victoria C. Temple has been engaged for the third time in the Crowfurd School, Durham Co., with a large advance in her salary.

Miss Kato Mcewen, of tho Winnipeg Public Schools, formerly of London Suuth, on the occasion of leaving the service of the Board in that city, was presented by her class with a costly five o'clock tea set, and by her fellow teachers with an olegant silver fruit dish.

Mr. John Gunion Rutherford, who graduated at the Ontario Voterinary Collego in 1870, has received a certificato from tho Sccretary-Treasurer of the Manitoba Board authorizing him to practice his profession in that Province.

Siddey L. Hellwell, of Californic, the famous Democratic orator of the Pacific slope, was born in West Flamboro', Ontario.

James W. Packham, B.A., of Smithville High School, Lincoln Co., Ont., has receiced a good appointment on the stafl of the Owen Sound High School.

Colin C. McPhec, head master of the Fort Erie Public Schools, and late of Palermos Public School, is about to leave the profession. $I_{i}$ is a pity, for "Mac" was a good teacher.

Mr. Lewis Flechenstein, of Nilestown, has been appointed head master of the Port Stanley school.

Mr. Geo. D. Corrigan, who recently graduated with high honors at the Ottawa Normial Sohool, has been appointed head master of tho Kilbride Public School.

Mr. C. M. Orr, who has taught for the past five years in Stockdalo Public Suhool, has been re-engaged for 1885.
A. D. Crosby, B. A., has been re-engaged as head master of Smutholle High Sichoul. He ss a gocd uan and the Smithvillians know it.

Mr. W. J. Black, head master of the East Ward School, is still confined to lus house by rheumatism. His classes in the School are taken by Miss Anderson under tho supervision of Mr. Bowerman, while Miss Harris talies Miss Anderson's classes.-Napance Standard.

Mr. Thomas Pearso, of Ingersoll County Model School has been appointed Principal of the Salford Public School for 1885.

Mr. W. Elliott has resigned his position as teacher in Public School Section No. 1, Dereham.

Mr. C. R. Howoll, teacher in Canifton, has resigned his school and accopted a position with the "Sun Life Insurance Co." Mr. Howell tiaght for seven years, bu felt that there was not sufficient remuneration in the profession.

Mr. W. G. Morrison has resigned his position as head master of the Drumbo Public Schools. He is engaged to teach, during 1885, nt Wrigley's Corners at a considerable advance in salary.

Mr. D. Hogarth, of Wolverton, has been engaged to teach the Drumbo School.

Mr. Thos. McKee hits been engaged to teach at the same school at Maple Dell for another year.

The High Schuol in Ushawa is fluurishing and the public schouls are contributing largely to this cheorful state of affairs. At last departmental examinatouns 21 pupils passed out of 29 , and at the eximinations of the previous year 25 candidates wrote, all of whon passed. This is lughly creditable to L. C. Smith, B.A., the head master, and his eflicient staff. Mr. Smith has the supervision of the Public Shuols, and has cxercised the greatest care in their thorough organization and is now experiencing the beneficial results.

Mr. William Jameson, who for tive years taught the Aborfoyle Schuol, has beon appunted pranciple of the Amherstburg High School.

Teachers are getting ready to nove. Several changes will take place at the close of the year. Tho teacher of No. 7 Couley Pund is re-engaged for another year, - Woodstock Sentinel.
A great number of changes among teachers will take placo in Wilmut twwnship with the advent of 1885 . Now Dundee, Baden and Haysville whll have new teachers, and two of tho New Ham. burg staff are likely to leave, but Miss Duckrill and the Principal of 10 school havo been re-engaged. Thuprufession is yearly losing somo of its brightest ornaments owing to the scanty pay received and people who are liberal in alnost all uther ways seem to take special delight in keeping down the low salary of the "comning race." -Woorstuck Nentinel Keview.

Mr. Peter Curran having lately resigned his position as Inspector of Schools for tho Eastern division, and Mr. J. W. Morrison. of Savage Harbor, left on the Gth inst., for Rome, to study for tho rriesthood at the College of Propaganda. It is rumored that Mr. Curran's position is to be filled by Mr. Wm. Cain, at present Principal of Souris East School.-P. E. I. Adrertiser.

Quite a Loss. - Our Waterdown correspondent writes that Mr. D. H. Hunter, the woll-known head-master of the Waterdown High School, has resigned and is goi- ; to Woodstock. Mr. Hunter has proved himself one of the most successful head masters in the Province, having built up the Waterdowa School from nothing to a front position amongst the best. The Woodstock people are to be congratulated on securing Mr. Hunter's services, but his loss will be a serious one to Waterdown.-Dundas Banner.
Mr. Brough has tendered his resignation of Newark Publio School and purposes attending the Normal.
Mr. W. C. Allin, Principal of Orono Public School, has been re-engaged at a considerable advance in salary. Miss Reid has also been re.engaged at an advance.

Mr. McDuwell, of Kent County, is engaged to teaci: the Publio School in Kirby, Durham County.

Mr. Davidson teacher of S. S. No. 2, Caledon, took ni,cut twenty of his female pupils on the train to Orangeville, and had the photograph of the group taken.

Mr. F. Nowman, of Albion, has been appointed principal of the Shelburne school in the place of Mr. M. L. Mortimer. resigned.
Samuel Woods, M.A., the tallented Principal of the Young Ladics' College at Ottiwa, has, during tho past month, lost his wife. The many friends in Ontario of Principal Goggin of Manitoba Normal School, will reyret to hear of his severe illness, he las been attacked by a malignant form of duphtheria. The same diseaso carried off his only child, a bright boy of some four years of age.

Mr. D. J. Goggin who has heen appointed to take charge of the Provincial Normal School in Manitoba is meeting with suecess. At a recent meeting of the Sclool Board, his salary was raised to \$2,000.

Mr. G. B. Kirk formerly Principal of the Cobourg Model School, has had charge of the Port Hope Model School during the ptesunt session, awaiting the arrival of Mr. Wood who has been employad by the Buard to take charge of the schouls of that town. Hu his twenty five students in training.

Purt Hupu Schuol Buard could have made no bettor chnice than the appointment of Mr. Wood, who for some years has i:ad charge of the Bradfurd Model Schuol, where he carried on the wor:- to the satisfaction of all concerned.

Mr. H. F. McDiarmid, head mastor of Cobourg Model School, has 33 students in training this term. This is the highest record yet.

Mr. E. R. Eddy, Principal of Pickering Public Schools, is doing good work, rs is ovidenced by the increased attendance of pupils and the advanced nature of the subjects taught.

Miss Labree, formerly teacher in Robinson, Quebec, has been ap. puinted to take chargo of the graded s 'iual at Waterville.
Mr. D. C. Delano, a graduate of Dartmouth College, has reopened B.rrnston Academy, Quebec.
Inverness Academy, Quebec, has an excellent teacher in the persun of Mr. Alexander.

Miss Kinghurn has begun the seventh year as teachor at Wilson's Corners, Megantic, Quebec.

Misses Abbut, Overing, and Knowlton, graduates of McGinl normal school, havo been apponted teachers m the Waterloo Academy in Quobec.

Miss Fairfield has bee: appointed teacher in Adamsville schooi, Quebee.

Mr. Mayo, formerly of Mugog public school, has been appointed to take cinarge of the Masonsille, Que, selmol.
M. P. Mc.Master fomeriy primepal of tho Flesherton public school, hats heen appeinted head master of the poblic schouls in Thorold. Mr. MeMaster is one of the best of teachers, and we predict for him a good record.

Mr. S. C. Maliday, formerly principal in the Lathute. Quebec, Academy, has heenapome momenal of the I untagdm Academy, at a salary of $\leqslant 1,150$. Mr: Inathay is deserving of his good fortune, beins an excellent educator.

Mr. Graut has resigned his position in the Hull, Que, model schon. He is uow engaged in teaching at Aymer. Ife will be succeeded in Hull by Jliss Stacy:

## sthathematical Bypartmont.

## HARVARD COLLEGE, CAMDRIDGE, MASS.

encunsation for admission, sene, 1893.

2. A ficld is $383^{\circ} \mathrm{j}$ rods long and $37 \frac{1}{2}$ rods wide. Find its area in acres and sq. rois. Ass $=16: 1 \mathrm{cc}, 140 \cdot 499 \mathrm{~S}$ rods.
3. Find all the factors of 1001 and 616 that are common. Ass. 7,11 and 77.
4. The distance from Boston to Albany is 320 ' m . Find tine distance in miles assuming 1 meter $=3$.: fe.. ${ }^{\text {a }}$

5. A man, trarelling 9 hours a day, gocs 234 miles in 15 days. How far can he go in 30 days, trivelling $S$ hours a day?
Axs $=\mathbb{1}$ of twice 234 miles $=16 \times 26=416$ miles.

1. Solve $\frac{1}{x}=2-\frac{\left.4 a x^{2}-3 \cdot x-2\right)}{2 a\left(x^{2}+1\right)+3 b}$

Complete division, and cancel the tros,

$$
\begin{aligned}
& \frac{1}{x}=\frac{4 a-3 b x}{2 a^{2}+2 a+3 b}, \therefore\left(x^{2}+1\right)(2 a+3 b)=4 a x, \\
& \therefore \frac{x^{2}+2 x+1}{x^{2}-2 x+1}=\frac{4 a+3 b}{-3 b}, \therefore \frac{x+1}{x-1}=8 \mathrm{cc} .
\end{aligned}
$$

2. A man walks at a regular specd, on a road which crosses a bridge 21 miles from the poini he hat reached at noon. If his mate were half a mile an hour greater, he would cross the brihge an hour souner than he does. Fud his speed and the time at which he crosses the bridge. Explain the negutir: result.

$$
x u=21(x+1)(y-1)=21, \therefore y=2 r-1
$$

$(2 r-7)(c+3)=0, x=3$ or $-3, y=6$ or -7 .
3. Find the prime factors of the coifficient of the Gth tern of $(a-b)^{12}$ What are the expments, what the sign of this ${ }^{2}$ erm. Ass. $10 \times 17 \times 3^{2} \times 2^{2}$; - all $^{14}$.
4. Reduce to lowest terms,

$$
\frac{x^{2}+2 x^{2}+9}{x^{2}-4 x^{2}+10 x^{2}-12 x+9}
$$

Ans. Numr $=\left(x^{2}+2 x+3\right)\left(x^{2}-2 x+3\right)$
Denr. $=\left(x^{2}-2 x+3\right)^{2} \therefore$ SC.
5. Prove that if a:b=c: $d_{\text {, then }}$
$(a+b) \div(c+d)=(a-b) \div(c-d)=a \div c=8 \div d$. Book-work.
6. Sulve $x y=4-y^{2} ; 2 x^{2}-y^{2}=17$. Find all the answers, and show that values of sand $y$ belong together.

Put $y=0$, divide I by Il and $\left(x+x^{2}\right)+\left(2-x^{3}\right)=4 \div 17$
$\therefore=1 t^{2}+170-3=0 ;(7 c+3)(3 p-1)=0$.
Whence $r=-5$ or $\}$, substituto theso values separately and four paire ralues for $x$ and $y$ rosult.

## all Sorts.

Richard Grant Whito says Shakespearo is clear enough to bo understood withont conmentaries.

Dear comrades of the te:tehers' guild,
There's much to do and little done;
Bhothers, sistres, erery one
lemd a li:! ping ham, nor shirk
Any part of God's great worl. - Exchange.
It is a siugular fact that tho Quecn of Eughand is now the greatest Mohimmedian sovescign in the worh, -that is, his more ILohanmedan subjects than :uny other poryo. These aro found chiesty in Inlia, wer which the Queen rules. There aro nut so many Muhammedans in Turkey as thervare methe Eat Indam duminums of her Majesty.

The tallest structure formed by man is the great Pyramid which stands near the city of Munphis, in Eypl. It is suppased to have been huilt by the order of the :yrant Chooss, king of Eyypt. It is about $\overline{0} 16$ feet high, and its bise coners an area of eleven acres. Three hundred abd sixty thousand man were engeged for thirty years in its erection.

St. Peter's Cathedral in Rome is the largest church in tho world. Its architect was the famous sculptor, Michael Angelo. Its height is $46 \pm$ fect. It was begun in the reign oi Julius II., in 1506 , and was completed in 1781,-taking a period of two hundred and seventyeight years for its crection. In less thata that time, by many years, the United States lawe been changed from a wilderness to a country "hose cities rival these of the "Old Wurld" in pupulatim: and wealth, science and art.
Sir Willam Phipps, colonial governor of Massachusetts, and Benjamin Framblin are nuted ex.unples of the pupulousuess of New Eughand ancestral families. Thu former was one of at fanily of twenty-six children, twenty-one of whom were sons. The latter was one of seventeen children.
The Modelites now eschew the vulgar "Bet your sweet life" for the scholariy "Wager your sacharine vitality." No doubt about ther success.

## The Question gratuct.

We invite our readers, especialiy tho younger of them, to send to this drawer, questions and difliculties that may ariso in tho course of either their professional duties or their daily reading. Tho questions will be left over for two weaks before being answered, and answers are invited from correspondents. When correct answers are not received within two weeks wo mill do our best to supply them. By way of commencement wo subjoin a few, the answers to which will be published in the first regular number of the Weekly, in January.
Q. 1. Who was called "the wisest, brightest, meanest of mankind," and by whom, and why?
2. Why does a ten acre field require more fence when of an oblong shape then when square?
3. What is the composition of dynamite, and why so called?
4. Which of the following pair of expressions, if either, is coarect, and why?

He don't know, He doesn't know. Two teasponnsful, Two teaspoonfuls. Ain't you coming? Aren't you coming?
5. It is said that a person lost on the prairio almost almays walks in a circle. Can any reasna be assigned 1
6. Who wero the iuthors of tho following current phrases. "The Almighty Dullar," "What will Mrs. Grundy s.y ?" "All cry and no wool."
7. What is to bo done with a bright, cager pupil who is constantly putting questions and asking for help over dificulties that spring up at every step? How can he bo kept from being troublesome, without rebulf, or discouragement?

## Stiscrlimeons Ricining.

## RUSSLA'S POLICY AND HER FATE.

Russia is behind the rest of the civilized world. if, indeed, it bo proper to call her "civilizel." Sucialistic books latre been for sume time suppressed, and now works of history, philosiphy and dolitical economy are furbidden. The University of Kieff has been closed, and nearly two lumdred students have been arrested. 'The Can's main effort seems to be to keep out the light, but tho bow will.bo sent a little too far; it will break. The nutbreak is certain to come. Nihilisin i- the matural result of oppression. What else could bo oxpecteà? Human nature is ceertain to assert itsolf sometime. This has been the history of the past, and is certain to be of the future. Russia is preparing to write her history in the blood of her own children. In fact, the manner her peoplo havo been treated, and the pains and terrors they have been called unon to suffer have already been sufficient tc call for the interposition of other nations. This would take place if Europe did not to diay valuo peace above justice and right. To the observing student of history, the present government of Russia is full of intense interest; for the mills of the gods grind slowly; but they grind exceedingly fine.-School Journal.

## When the bell rivgs.

The day has passed wearily amay, and no longer the mys of the sun left their impress on the floor or kissed the face of the sufferer who was lying so ill upon the bed. The shadows of ovening gathering, aad the chill of the twilight air seemed to rouse tho littlo one who asked to know the hour.
"It is eight oclock dear," said the mother, whose darling must soon wander away so far that it seemed as if eternity could hardly re-unite them.
"All the bells will ring at nise, mother, and I do so want to hear - the bell once again," said the little ono, whoso face lighted up at tho thought, and as immediately grow shadowy as pain in its acuteness cut another cord which bound humanity to eternity.
"Yes, my dear. The bell will ring at ninc, but do not speak as if you were dying, my child, because you want to get well, don't you 3"
"Yes, mamma, I would like to, but I feel that I am going away, and, and - " the little head fell back and the sentenco was unfinished.

The day wore on. Not a sound had escaped from the littlo sufferer, and the clock was yointing tho hour of nine. The mother looked anxiously at the child, and listened with aching heart for the sound of the old church bell, which something seemed to say was to take her darling away at its call.
Sonetimes hearts so full of sympathy and love expand until the striin overpowers our nature, and lenves us a shattered wreck which neither time nor association can repair, requiring the passing of the soul through tho veil which separates here and beyond, to cla at that which has preceded us.
"Oh, mother; I hear the bell," said the littlo one, as the sound mons ont loud and clear upon the air; "and mamma, when I an gonc, you will think of mo when the bell rings, won't you, mamma?"

The mother's heart, fast breaking under tho strian, could make but ono reply, and clasping her darling, she held her in a fond embrace, as though tho white-minged spirits could would take her arsay before the time.

As the bell ceased ringing, a smile crossed the face of the little one, and with a voice full of earnest fecling, sho murnured, "Goodbyo, mamma, I shall luok for you when tho bell rings," and fell aileep.

Angels carried heraway, and crossed the river with their precious burden, but the sound of the old church bell still remains sacred to one heart, and ever with its ringing, seems to unito the mortal with the immortal, the seen with the unknown.
Ring on, stweet belis! You aivaken memories in our hearts which bring us to nobler thought and action, and ever as we hear your ringing, wo remember those who left us at your call.

## the world what we maje it.

A man's world is pretty much what the man himself makes it. It is true in psychology that what the mind itself contributes to the making of a conception, is at least as important as what tho outer world supplies for that conception. And it is no less true that the things which constitute our social or moral or relggions world, are affected as much by our own shaping of them within our selves, as by the bare materials of them which exist outside of ourselves. Shakespeare is not the same to any two readers; each reader has his own Shakespeare-a Shakespeare formed by the growth into the reader's mind of those elements in Shakespear which are akin to the mind of the reader. And so it is with every single object which is presented to human thought. Each sees the object; but each puts something of himself into his seeing. The same blue sky is shining with joy for one, and is caluly pitiless for another. The world of mature takes on the aspect of our moods, and what we think of the werld of men, is but the reflection of what we know of ourselves. If we are convinced that truth and faith and purity have died out of the world, it is a sure sign that wo are aadly in need of reformation ourselves. If wo recognize nobility in another, it is an evidence that the best within ourselves is not yet dead. This power, this habit, of shaping our torld into our own image, carries with it a certain responsibility. When wo are most firmly convinced that what the world needs is some sharp reformation, we ought first to question ourselves how much of tho wickedness se see is really the world's, and how nuch of it is only the shadow of oureelves. Before our world can grow better, we must grow better ourselves; and we never have a right to insist that the world shall purify itself, until we tirst have done what we could do towards its purification, by taking heed to the correction of our own ways.-Siunday School Tinics.

## ALASKA GLACIERS.

It was nearly sunset when wo began to near the Muir glacier, and the day was nearly ended when the cliff was reached and we nad anchored near the frowning precipice. The shades of evening had gathered abouit tho islands passed during the day and half hid from sight the lower ranges and the trackless forests, but the Fairweather peaks wero visiblo still and glowed with a ghostly light in the isolated hight like banks of phosphorus hung above the trees. Around us flented ico fryments, grinding agninst cach other, or floating, solitary and majestic, down the watery way. The scene was grand past all conception, wild and beautiful, and silencing all with admiration. No other wonder cquals this glacier of untold age, as it mores silently yet irresistibly down from its birthplace to the sea, crying as it cones, the very embediment of strungth, the destroger of all lifo. All the glasiers of Switzerland might bo combined and together they would not equal this of Glacier Bay. Set it crawling over tho valleys guaried by Mont Blane, and it would crush thio country beneath its woight and leave a wilderness behind. Anal yet in Alaskia, long and broad and wild, it is a mere fisure-a singlo atream among tho inany.-San Francisco Chronicfe.

## Trachers' dssociations.

Elars-At the lato sessionof the Elgin Teachers' Associationheld ats Thomas, after a lengthy and warm discussion on the subject of unifurm promotion examinations in the schools of the Comaty of Elgin, it w.Ls moved by Mr. Maxwell, so vondel by Mr. Littlej han, that this Assuciat tion favor a system of uniform prom tion ex mimation papers for tho county, and that a committee bu elected to mature some scheme for comdecting such examination, an lif practicable to h hld the examination next Marih or April A representative wisele:tel by ench mancipal ity in the county to form sid! conmittec as follows: Messrs. W. Atkin, I P'S, ('nverer; E Higley, Allburngh Towaship; J. Euly, Southwoll; D'at, Dunvie'ı; Creseman, Yurmmeh, Badick, Malahide; Orto i. S Durehesthr. The Association elected the following offieers for the ensuing year--l'resident, ER Gumn, B. A., Viema H. S. ; Viee President, Ches Hammonl, Aylmer : Curresponding Secretary, Miss. H. Rubinsoan; Treasurer and Libratiau, Thos. Leiteh, St. Thomas C I ; Executive Committec - Messrs. W. Athin, I. P. S., J. Orton, J. W. Eely, E Higley, W. Miller, B.A, Misses Sutherland, Murray, Late, Aruold and Drake.

Northembermiva. -The anmal meeting of the Teachers' Association was held in the Collegrate Institute, Coboung, on 1 ththand 18th October. A large number of members attended fromall parts of the county. The following is a synopsis of the proceedings, which were interesting throughout.

Friday.-The President, D. Robertson, in the chair. After routine business, Mr. Dixon introducen the subject " ${ }^{\text {prelling} \text {-defects and their }}$ Rencelics." He deseribed his own method of teaching spelling, in which he attacters speetal importance to written exercises. 1tr. Hamilton of Port Hope pointed out the advantages of the phonic alphabet. Speakers who followed admited the simplicity of the method, but thought its introiluetoon would greatly detract from the value of etymological study. "Mental Arthmetic" $w$ as introducel by Mr. C. A. Lap. The general opuion was that greater atitention shouli be given to this import.mt evercise. Mr. G. B. Ward, M1.A., Brightum, furmished a valuable paper on "Sehonl Etnics." Rex. Dr. Burwash gave a most excellent aldress on "The Teacher's Self-culture, how best athine l." The speaker clearly showed that a teacher even m elementary work, may attain true calture, as well as by a special cousse of collatural reading. These points were elaborated in a masterly manner.
Salurlay. - Tite Cummittec on Uniform Promotion Examinations having reported ${ }_{3}$ it was decided, after a short discussion, to rescind ali resolutions in force bearniob ua the guestion. Thas leat es promutions in the hands of the teacher. The new programme of subjects for teachers was explained by 1). C. MeHenry, M.A., and discussed by the convention. The election of oficers resulted as follows:-l'resident, D. C. McHenry, M.A. ; Vice-Presidunt, H. F. Meliarmid: Sec.-Treas., C. A. Lapp, other members of the Exceutive, Messrs. Scarlett, Ellis, Ash, Gonld, and Orr. "Text-booke, their use amiabnse," was introduced by Mr. W. S. Ellis, B.A., B. Sc. A short disenssion on "Importance of Thoroughess in l'rimary Classes," was opened hy Mr. M. Diarmid. Next meeting to be hehl in Cobourg in September or Octoler, if the time can be so arranged. Details relating to Township Conventions were left with the Executive. Rev. Dr. Roy then gave an adilress on "Realing," in which he pointed out prevalent crors, and suggested excellent incthouls of tenchang the subjects. After the usual comphmentary resolutions, the Consention adjourned.

Lamition.-A union meeting of the Fast and West Lambton Teachers' Association was held in Sarnia on Thurstay add Friday, 9th and 10th October There was a large attendance of teachers, and considerable interest was maniested in the pruceedia's. Dr. MeLeellans presence and letures during the afternown of Thursiday and the whote of Froldy adided largely tw the satess of the metang. The forcaoon les. son was opened at ten veluch, C. A. Barnes, 1. S. I., in the charr.

After routine husiness Mr. Jarnes gave an address exphaining the new regulations regar ling Teachery' Associations.

At the conclasion of Mr. Barnes' a.ldress Mi. Sinclair, B.A., took up the suhject of Elementary Physics. A discussion followed the introduction oi this suljeet, after which a committer was appointed to nominate off ers for the cusuing ycar, with inatru-tions to repurt next day.
-Afernoon Sraxion. The roll being called, Miss E. Austin explained her methol of teaching primary arithmetic to junior pupils; her method of dealang with the subject was exemplified by illustrations with blackboani. At the conclasson of Miss Austin's lesson it was movel by Mr. Holmes, secomied Ly Mr. White, that the thanks of this Association be tenilereil her for the very excellent lesson wath she has given. Ciarried.

The hollung of loal associations at various places throughont the county was next considered, when it was moved by Mr. White, seconded by Mr Hnlnes, that the mitter be referred to a committee consisting of the two inspectors, the two high schoml masters, and on teacher from each township. Carrio..

Mir. Woodworth next explained his plan of teaching geography. He would begiu teaelang this subject in the second class. A lively discussion followed relating to map drawing, definitions, ete.

Dr. McLellan proceeded to discuss gram.nar. Ho began by stating that ho could nut diree with the idea adsanced by some chat the bing. lish languige was a grammarless tongue. He then went on to eaplain the bencfits derisell from the stndy of the subject and what he consilered the best method of teaching it. He considered analysts very useful in developing reasoniug power.

In the evenang a lecture was delavered by Dr. MeLellan m the Temperance Hall, sulject. "Teacher and Parent in the work of E.hacation." The hall was filled to its utm st cupacity by teachers and citacens of the town, who listened with ilelight to the eloynent remarke of the lecturer as he contrasted tie comition of affinss now with what tiney were twentyfive or thirty years ago. At the conclusion a vute of thanks was teadereal Dr. MeLella.a fur the very able lecture which he hat given.

The meeting was opened on Friday with prayer by N. L. Holnes, after which the roll was called by tho secretary.

The committee regarding local assuci atious reported in favor of holding associations during the firstinalf of hext year at the following places: Florence, Watiord, Forest, Petrolea, Sarnia, and S. S. No. 11 , S mbra. On motion of Mr. Barnes, seconded by Mi. White, the report was adopted.

Dr. MeLellan then answered several quastions on Thursday's lesson in grammar, after which he proceeded to discuss " Ihe Art of luestroung." The further cousideration of this suibject wass adjourued thll the afternoon, and Mr. D. N. Smelair was called upon for his subject, "Writing." A general diseussion followed the introduction of this subject, in which a number of tenehers took part.

At the afternoon session Dr. MeLellan renewed his address on the art of questioning. At the conclusion of the address the secretary read the report regarding nomination of officers, and on motion of 'T. White, seconded by Mr. MeDouald, the fullowing officers wete appointed for the ensuing year, viz.:-John Brebner, President: C. Marnes, VicePresilent; John Johmston, Sceretary Treasurer; W. Sinclair, B.A., W. Phillips, B.A., J. R. Browa, S. C. Wodworth, A. Wark, Exeeutive Committec.

The Presulent brought up the matter of uniform promotion examinations for East and West Lambton, and after a short discussion it was moved by Robert McWorter, seconiled by J. J. Mathews, that uniform promotion exammations be held thronghout the county. Carricd.

On motion by Mr. Waite a vote of thanka wis temilered to Dr. McLellan for the very able serics of lectures which he had given.

The association then adjourned.

## Citerary Revicw.

Man (iborof, Al.frea, Turnsend as at work upona new novel which whll be entitled "Kity of Cot icton."
Phof. Downes is hard at work on has Lafe of Shelleg, and has bren won dertaly fortuate an ofting hold of fresh materals from tio most hopeless lonking quarters.
Pump. Jowstr has nearly finished his tranal tion of "The Politics of Aristolle."
Jl strs. McCurtir has prejared a volume of "Irish Lyrics" fur publication in the P'archment series.
Finst Priseipars of Nituril Pithonspity A text-hook for Common
 and Chicago.
This is a ford wourk fur pranary classes in Natural Phososhy. It is a


 prute a good wark iu schools when there is uot indeh time to devote to tho subject.
The Nove:nber taunber of tho Mragazine of Amerscan ifistory containg a spicalady siturtroted arictio on the "Casatcessfal Candidates for tho 'residency of the Niation."
Geo. Rumbedge it Sons have recently pubhothed four volumes of their
 many, England and tho Unitud Sertes.

## Sixthantia Anseal Cincular of the Ontaifo Businsss Colqzge, Belle- 

Thas l.the sheost is cicanantly goticn ap and cuntains mach valanbio in
 tuon bufure enternts tho business word. It farmistes full information to the pable, regardiag that difierent braneches of study taught in the Collego, the charge for tamena, the :me it taket a student io complete a certan comenc, sc. Yuang men who purpora takng a cour e an a bumaness coliege shonid wno wh Iessrs. Rubunson \& Juhasun, for their anteresting catalogice.

