Hormal

Vol. VII. No. 7 CALIFORNIA, PA., MARCH, 1892.

50 CENTS A YEAR.

Entered as second-class matter.

Fulton Phillips was elected school director at McDonald last month.

Arrangements have been made for a lecture by Miss Krarer, the noted Esquimaux lady lecturer, some time in April.

Dr. Noss was absent several days last month attending the meeting some time in May. of the National Superintendent's Association in Brooklyn.

J. R. McCollum, '83, is principal of the schools of Clarion, Iowa, and editor of an excellent educational journal, the Wright County Teacher.

An institute at Ohio Pyle, Feb. 15th, was ably addressed by Thos. R. Wakefield and W. C. McKean of Uniontown, and Will R. Martin, of Ursina.

Washington's Birthday was observed as a holiday, and a period on the following Wednesday was devoted to exercises in the chapel, literary and musical, in observance of the occasion.

Messrs. John L. Gans, C. E., M. E. and E. E., and J. C. Long, C. E. and M. E., have formed a partnership under the name of Gans & Long, with their office in Connellsville, Pa.

Soon will our buildings be overflowing with the crowd of new students which the spring term always brings. And from present indications the crowd will be larger than ever this spring.

It is a question in Fayette county which are most numerous, candidates for District Attorney or for tion. It is expected that a number | number of the Popular Educator.

County Superintendent. Graduates of the Normal appear to form the majority in both crowds.

A week's course of lectures by Prof. DeMotte, the most entertaining and instructive scientific lecturer on the American platform, will be among the attractions of the spring term. They will be given

At a flag presentation by the O. U. A. M. to the schools of East Pike Run township, addresses were made by W. I. Berryman, '83, Prof. Meese, of the faculty, and L. W. Colebank and T. P. Sloan of the Senior class.

At an institute held near Brownsville, March 5th under the charge of J. L. Bowman and Edgar Brashear, the graduates of the Normal on the programme were Messrs. McCullough, Brightwell, Jamison, Johnson, Crow, C. L. Smith, and I. L. Smith. Several members of the Senior class and other students were present.

Will H. Martin, 91, principal of the schools of Ursina, will teach a normal at that place the coming season. The "Genius" says of him: His school at that place is said by the patrons to be a most excellent one, and the fact that they have prevailed on him to conduct a Normal there is sufficient endorsement.

It has been authoritatively announced that the new building will be ready for the spring term, and Thursday evening, March 31st, has been set as the time of the dedica-

of distinguished educators and friends of the school will be present, and that the occasion will be a highly interesting one.

Alumni, come and join the postgraduate class next term; room for all, and a very inviting programme to be followed: Pedagogy, methods, literature, science in the new building, Latin and Greek, all the treasures of the library and reading room and all the opportunities for observation in the Normal and Model departments, and no spectre of an examination at the end of the term ever rising to mar your enjoyment of it all; doesn't it make your mouth water to think of it \$ Come and realize it.

A large number of the students and teachers of the Normal attended an institute held in West Brownsville on Feb. 27th, by the principal, Wilmot Collins, '83, and his assistants, Anna B. Kinder '89, Ethel W. Danley, '87, and Bernette McDonough, '87. The institute was addressed by Profs. Noss, Chubb, Hall and Bryan, and Mrs. Noss of the Normal faculty, and recitations and music were furnished by Misses Sadie Lilley, Romaine Billingsley, Lucy Morris, Jenne Singer, and others. At the noon hour the institute adjourned to the school hall, where a sumptuous repast, provided by the patrons of the school, was thoroughly enjoyed by all.

Miss Sadie Thomas, '90, of Webster, has a short article in a recent

EDITORIAL.

Arbor Day will soon be here, and it is hoped that broad-minded teachers will take the lead in planting trees, in beautifying school grounds, and in other work for which the day is set apart. We do not undervalue the moral influence of the customary rhetorical exercises, but we may be allowed to remind our readers that getting the roots of trees, shrubs and smaller plants into mellow, rich earth must also be done. A very beautiful literary programme may be prepared, and should be carefully followed by teachers and their schools; but this must not be so elaborate as to crowd out the main thing—the use of spade and hoe. Trees will grow without songs, poems or proclamations, but you know Arbor Day would be sadly incomplete without them.

The National Association of Education will hold its annual meeting at Saratoga, N. Y., July 12-16.

The Ohio State Teachers' Association will meet in Cleveland, June 28-30.

Teachers should make an effort to attend the educational gatherings of their own State at least, and should encourage the work of the association by becoming a member whether they are able to attend or not. The membership fee usually includes a copy of the proceedings, which is of more value than the outlay.

The Department of Superintendence of the National Association met in Brooklyn, N. Y., February 16-18. Superintendent L. W. Day, of Cleveland, O., delivered an has been taken from the scene of it is the unknown which is full of address in memory of the late John his earthly labors. Professor Thos. horrors.

Hancock, School Commissioner of Ohio. One of the topics discussed was, "The Health of School Children as Affected by School Buildings." Librarian W. H. Brett presented a paper entitled "The Relations of the Public Library to Schools and Workingmen."

At a meeting of prominent educators, held in the city of Cleveland, O., President Cady Staley, of Case School of Applied Science, gave a short address on "Some of the Acquirements of a Successful his life had this wide margin we Teacher." He held the opinion that first of all the teacher must be possessed of unblemished character, and maintained that on the principle of "As a man thinketh in his heart, so is he,' 'what a teacher is he teaches, whether he wishes to or not. The next point considered was the training; a teacher must be well educated for his position. The teacher's qualifications must be many in this regard, for a pupil soon loses his respect for a teacher who is not sure of what he knows, or does not know. Still another step was the teaching gift, without which all other attributes avail nothing. President Staley commended the work of Normal Training schools, and was most emphatic in his demand for teachers thus qualified for work in the schools of to-day. The last point, or suggestion was to avoid too many rules; a teacher must preserve order without seeming to do so. No school must have the appearance of being conducted for the sake of discipline. This important part of our schools depends largely upon the interest in the work which is excited in the pupils.

W. Harvey, of Painesville, Ohio, died January 20. The N. E. O. T. A. held February 13, make this record of a man: "Thomas W. Harvey was one of the founders of this organization, its first and for several successive years its president, and his earnest membership ceased only with his life. For more than a third of a century he stood in the front ranks of those who were laboring for the elevation of humanity through the instrumentality of the public schools; as State Commissioner, Institute instructor, educational writer, teacher, nobly he did his part. Though are proud that he was pre-eminently a schoolmaster and one of His life was gentle, his judgment was well poised, his affections were warm, his hand was ever extended in helpfulness to the struggling, in earnest greeting and congratulation to those who had in some measure achieved success. But he is gone. No more shall we look upon that genial face, the good, gray head which we all honored. His place in our meetings and in our hearts shall not be filled but kept sacred to his memory, and we mourn our loss. But while death has robbed us our confidence abides that he has gained whatever good things await 'Him who cares not to be great, but as he saves and serves.' We sympathize with his sorrowing family in this time of affliction, and pray that to them help may come from the only true source. May we, his associates who loved and honored him, catch his spirit, learn his language and make him our pattern."

A teacher should not only be familiar with the ground to be covered in his own line of work, but should be acquainted with all adjacent territory.

No one study stands alone.

Never threaten a pupil with a specified punishment for an of-Another of Ohio's gifted sons fence. The known is not dreaded;

City, has the following trite reare well worth heeding:

with the eye than with the voice. secs John whispering, and says; "John, are you whispering?" John replies: "No'm," a fullfledged bid for lying."

*** Reserved Power.

BY W. J. CRAWFORD, A. M., PRINCI-PAL ALBANY PUBLIC SCHOOLS.

Every application of mechanics has its maximum of capacity for doing work. Even iron and steel hand and of capacity in the other, power. This is variable, and is actual amount of work to be done. delicately become discouraged,

J. M. Greenwood of Kansas sonal equation is an important fac-but let the lesser engagements pass marks on school discipline, which to reduce this equation to a mini-weakness, and has a tendency to mum. "The teacher controls more teachers can long endure the men- is a proverb that very small leaks tal, moral and physical strain of sink great ships. It is too often The habit many teachers have of maximum effort. Some teachers the little things, which the inexpestanding with their backs to their instead of accumulating strength, rience wink at, that lessens the pupils is a bid to the children to are constantly losing their powers power of control and leads the engage in disorderly conduct. If a and lessening their chances of suc- way to complete failure. Let us teacher must put work upon the cess. Let me explain. If the remember that success is ours, if board during school-time, such a teacher is hearing a class, he talks we work up to the normal strength position should be taken as will loud and at a rapid rate. He les- and keep constantly at hand a large give him a clear view of the entire sens his power of instruction. He store of reserved power. -- State room. It is the old story "of one tells too much. If a slight diffieye on the pot, and the other up culty occurs in government, he the chimney." Prevention in in- lets loose all his powers of venfinitesimal doses at the right time, geance upon some thoughtless lad, is worth tons of cure. In the midst never once thinking that the next of a recitation the teacher observes | breach of conduct will require just two pupils earnestly engaged in as much correction. It is needless conversation. Not wishing to dis- to say that in the latter case the tion. turb other pupils, the teacher miscreant gains a victory. It is moves quietly and apparently with- not a drawn contest, like Antietam; out purpose near where the two it is like a Waterloo the whole are sitting, and without saying a school against the teacher. What word they become painfully aware would you think of an engineer of her presence. A steady look who attempts to draw a train of at the right time and in the right forty cars without a safety-valve on direction, will be sufficient to re his engine? He may fire up with press tendencies to disorder. But all his might, but does not get how not to do it, is as important steam enough to move a wheel. as the other side. The teacher He is either beside himself or he tongue. knows nothing about his engine. The application is plain. Keep a tongues. check upon your words and actions. Say less than you are able to say. Let your punishments be less than they might be pupils that you have reserve forces enough to carry your point triumphantly. It was Nasby who said. "I am not as eloquent in any one place as I can be, out of respect for Patrick Henry." It is the secret of oratory, that the speaker have a limit of strength. Within keep a certain amount of reserved ter, but one that is full of goodthis limit of strength on the one force, which may be seen in the ness, gentleness, sweetness, purity, distance by the hearer. The storm | dignity and well-rounded out—a there is an equation of reserved is preceded by a gentle breeze, character fully within reach of which, in intensity, grows con- every one who will strive to attain always in direct proportion to the stantly stronger. In individual it. Habits strong and deep, will action it is the royal power that thus become fixed, and the pupils You and I are very much like a moves others to action. It was will absorb the good, the noble, constructed machine. the Great Teacher who said he had the true and the pure, from the We are capable of doing a vast twelve legions of angels at his teacher whose life is worth imiamount of work, but beyond the command to prevent his arrest, tating. limit of strength there can be no | So, it is not necessary that you | effectual work done. We lose our and I suffer defeat a dozen times a for perusal from the public libracapacity; things go wrong, and we day in the school room. We ries of Paris, London and New The per-| sometimes fight the great battles, | York are works of fiction.

tor of success. No man can afford by unnoticed. This is a source of The fact is, very few draw off our reserved power. It School Journal.

> The liberally educated man, ac cording to a recent writer upon the subject, possesses five intellectual powers:

First—The power of concentra-

Second—The power of distribution.

Third—The power of retention. Fourth-The power of expres sion

Fifth—The power of judging. Also, Knowledge:

First-Knowledge of his own physical nature.

Second—Knowledge of his own

Third—Knowledge of modern

Fourth—Knowledge of scientific inquiry.

Fifth-Knowledge of the great Impress your literature of the world.

> J. M. Greenwood of Kansas City, says: "Let the teacher decide what kind of ideal he shall set before his pupils, and how he would have them reach it. It should not be impossible charac-

Fifty per cent. of the books taken

The Greatest Canal in the World.

The greatest ship canal in the world, measured by the tonnage passing through it, is on American soil. Few Americans realize this, as few of us at any time or on any subject realize that so far as mere material expansion goes we lead the world. No nation approaches us, save England, in iron and coal. staple products a third or more of the world's product will generally be found to be produced by the United States. The Sault Ste. Marie canal in 1891 passed, according to the report just made, 9,744 former carried 8,888,759 tons. But for the low stage of water, the late opening of navigation, and the sinking of a steamer in the canal the tonnage would have reached 10,500,000 tons. The actual figures are already and have been for several years past in advance of those of the Suez canal. The Sault Ste. Marie has now for two years handled over 700,000 more tons yearly. Its increase for 1891 was probably at least 1,000,ooo tons.

in advance of the Sault.

canals in the value of their tonnage completed, be a masterpiece of is, of course, due to the widely enterprise and engineering skill, different character of the freights, and will place the Manchester manspices, teas and coffees of the East. miles in length. The Amsterdam and inspiring. The growth of the Sault has, as and other artificial waterways are given way to assurance. will be seen, been far more rapid among the most vital auxiliaries of than that of the Suez canal. Up Dutch commerce and prosperity. to 1881 the Sault was a State The Suez Canal, which, up to the canal, and in that year the new date of its completion was the

tonnage by 1872, reaching 1,439,-169 tons. In 1875 its tonnage had doubled; by 1880; it had doubled again, and the advance in ten years since has been about one-third. - Philadelphia Press.

Some Historical Ganals.

The canal is an ancient institu-In any one of the world's great tion. It co-exists with the remotest periods of human history, since the primitive man discovered the value of an artificial waterway across a peninsula, or from one remote stream to the navigable waters of another. Historians alregistered craft, or registered and lude to these artificial channels as unregistered together, 10,191. The existing in Egypt and elsewhere in the far away centuries preceding the Christian era. In the year 1829 the Chinese completed an imperial canal that traversed a distance of 1,000 miles, a forty days' sail for the Mongolian junk. In 1681 the famous Languedoc Canal future. was completed. This gave France an artificial waterway, 148 miles in length, with a summit level of 600 feet above the sea, and including upwards of 100 locks and fifty some years on the Suez canal has aqueducts. In Great Britain Robeen small, and the excess of ton- man spades dug the first canal, one nage handled by the Sault canal in or more of which are holding water to-day. The canals of the United Kingdom now exceed 47,-Suez canal is undoubtedly far the best of their kind in the world. The difference between the two course of construction, will, when

1870, its first year; it trebled its This trans-Egyptian waterway is navigable by steamers 400 feet in length and fifty feet beam; the cost of this gigantic enterprise, including its harbors, being about \$100,000,000. In the Western hemisphere, both in the United States and the Canadas, the inland canal has long been an economic necessity, and in the Erie and the Welland, etc., we have examples of their service. In a strictly national sense we have the magnificent mistake of Panama, with its big holes and insolvent stockholders. At Nicaragua, American enterprise is already at work. The importance of this canal to the United States and to other commercial nations, as a route between the Atlantic and Pacific, is probably beyond any present calculation, and is of so undeniable a value that, be the engineering difficulties what they may, the consummation of the idea is among the historic certainties of the

WORLD'S FAIR NEWS.

THE PROGRESS AND PROSPECTS OF THE EXPOSITION.

It would be rather a difficult task at present for the most casual or careless observer in any civilized country on earth to avoid seeing In the value of its freight the ooo miles in length and are among that humanity is becoming greatly interested in the World's Colum-The Manchester Canal, now in bian Exposition, to be held in Chicago in 1893. It would be more difficult still for Americans, who are watching the development of plans and the general work of prep-One-half of the Sault freight was ufacturer in direct and unbroken aration for the event with patriotic iron ore. The rest of its freight communication with the ocean. interest, to avoid seeing that the was grain, lumber and copper. The North Holland Canal was progress made during the past few The Suez canal carries the silks, completed in 1822 and is fifty months has been rapid, substantial Conjecture has

Very naturally the co-operation of foreign countries, and especially of the older nations, has been deemed essential to the success of United States lock was opened. most stupendous undertaking of the undertaking, even by those The tonnage in 1889 was 1,750,- its kind in modern history, extends who are strongly of the belief that 000 tons. In five years it had from Port Said on the Mediter- a purely American Exposition is nearly doubled, and in five years ranean to Suez on the Red Sea, the possible, and that, left to our own more it has again nearly doubled. whole length of navigation being resources as a people, we could The Suez carried 435,911 tons in eighty-eight geographical miles. make a display in every line of pro-

gress that would hardly be second to any the world has ever seen. The Commission recently dispatched to Europe for the purpose of representing the World's Columthe governments which they have approached are fully alive to the creditable. the Chicago Exposition from this edge.

In Spanish America it is hard to conceive how a more genuine or a more general interest could be felt by governments and people. Each one of the South American republics will be represented at the Exposition in 1895, and our nearest neighbor, the Republic of Mexico, will unquestionably make the best showing it has ever made before a foreign audience.

A point of importance in connection with our foreign exhibits should not be overlooked. There will be a rivalry between the nations, and one that must redound to the advantage of the Exposition. It is felt abroad that to make favorable showing - against American products Europe must do her best. An effort will be made, by the introduction of object lessons, to convince us that our commercial policy of semiexclusion, as exemplified in our tariff laws, is all wrong. We, as Americans, are perfectly willing that Europe shall show us what she has been able to accomplish under a different policy, and some of us, at least, are open to conviction. Such object lessons, showto produce under various systems, which we have been taught to regard with suspicion, disfavor or positive prejudice, must have the effect at any rate of broadening our views if they fail to change our convictions.

Union are, also with very few exceptions, fully alive to the importance of the Exposition. Those be of profit in whatever situation states which up to the present time they may be placed. Not only the have been slow in movement, will bian Exposition, has not only undoubtedly make haste during been well received, but has met the next few months to occupy the acter is the highest end of educawith a reception in the countries places assigned them. The feel-tion and the only basis of true visited that guarantees their co- ing in New York is strongly in operation, and demonstrates that favor of a much greater outlay on the part of that state than was contemplated last year. The press importance of making displays that and public appear to have become will be both representative and convinced at last that Chicago will in school there is secured greater We may look forward not suffer the Exposition to fall economy in instruction, better disto a very general awakening of below the greatest triumph of the interest throughout the world in kind of which we now have knowl-

> The work of preparation on the Exposition grounds is being pushed forward night and day. The Exposition buildings will be ready for the reception of exhibits before the allotted time expires. In design, construction and finish these buildings will be superior to any that have ever been erected for Exposition purposes.

means diminished, but the anxiety of a year ago has passed away, and ability, with everything yet to learn. perfect confidence appears to have taken its place.

past few months particularly, as nical training is of the greatest sumed shape and prominence in the value to young men. Why should minds of the people at home and not the females be educated along abroad, and no matter how great with the males in every line? the anticipations of those who visit | Would woman be less womanly if it may be, their fondest expecta- her knowledge of the human contions will be realized. It will be stitution and the laws of health the greatest Exposition of modern made her competent to prescribe times.

Co-Education.

DORA M'LEAN,

gether of the physical, mental and assisting in the office as a copyist ing, as they must, what European moral powers of the sexes. The or correspondent? If instead of skill and industry have been able reasons why boys and girls should standing at the printer's case and be educated together are: it is the seating type, she were able to fill natural order of things; they are the position of foreman in the job together in the family in the rela-room? tion of brother and sister. Up to a certain degree the education of all | fessions which should be largely young persons ought to be the filled by women. The special same, for the end in all cases is to fitness of women for the profession

tuous and active men and women, capable of turning their talents to mind is to be educated but the heart also, for the development of char-American citizenship. The women always have constituted and do constitute the greater part of the citizens.

In the co-education of the sexes cipline, more natural and therefore more healthful, intellectual, moral and æsthetic development for both boys and girls. The mingling of the sexes in the school room checks the tendencies, both to romantic fancies and over-wrought and unreal imaginings engendered by attending separate schools; and this it does by substituting for such illusions the every-day commonplace reality of mutual rivalry in a common labor. Thus each form a The enthusiasm which marked correct and sensible judgment of the early period of the Exposition the other. They learn that they movement in Chicago has by no are alike in their natures, that they possess about the same intellectual

The value to boys of a course of special training is conceded. No The Exposition has, during the one questions that a thorough techin the sick room as well as to act in the subordinate capacity of a nurse?

Would it detract from her worth. if her scientific knowledge were so thorough that she could be the Co-education is the training to-practical chemist instead of simply

There are certain learned pro-The states of the American train them up to be intelligent, vir- of teaching has been recognized.

Outside Reading! Book Lists English language," Again.

MINNE CAROLINE CLARK, SOMER-VILLE, MASS.

This outline fails to suggest the various methods by which it is administered. As I believe that each character to its own shall come, through the breadth and depth reading good books or good people, so I believe that in his own way, each teacher must acquire methods peculiar to himself, of which no pentralea may be set down accurately.

The only true method is the never-failing, hardly-won method of inspiration—a flash light, instead

of tallow dips.

The teacher, though he feel his own soul reflected in the broad universal atmosphere, must seek to prove that "love stoops as sympathy is the chief aim.

The biographies of certain men and women as discussed in our text-books stand for a series of of our best feelings? hard facts. But the life of Swift or Steele, or Chatterton may be trait in girl or boy than a pretty so treated as to leave a lesson of unconsciousness, perhaps oftenest charity and tenderness; a rever-seen in literature, which draws ence for what was good, and an from the ingenuous mind most aversion to the degrading. What curious child notions. a chance for the lover of Goldsmith, for the admirer of poetry, classes to keep to lofty thought for the political economist does and abstractions. Leave Milton's "The Deserted Village" offer! warring hosts and come down to What, pathos and patriotism the application of these high abound in the stories of "Rod- themes on the daily contests with man, the Keeper," "My Hunt self and the world. After the Captain," "The Man

Without a Country." to the close a chapter from Miss coln or Burns. Wilson's "Anne," "Lake Sketches," or from Cable's stories of the thing so ponderable as a tree by mixed New Orleans races. While entrusting its germ to a delicate-I read in the latter of man's in- winged seed vessel, we may believe justice and cruelty, the heart of that a strong, deep thought may the hardest boy softens towards grow up from some simple story, the abused, long-suffering brother "Laddie," or "Rab and His of "Tit Fuire, the Leper," I Friends," for example. would advise and help pupils to there must be heavy thoughts begrow to a book. If duly encour-yond the present understanding; aged, they will try. A girl who an idea memorized may remain a said she could not read "Ivanhoe" seeming clod for a long time. before studying the history of Suddenly some hard hit in life may

most interesting parts, stating her sessor its inner beauty and value. pleasure therein; a boy who tried twice in one year to see into per cent, which we shall not see, fine! I see through it." Some our rating of studies would be this broad way does not lead to concentration.

Concentration is often degraded hasn't learned at home, the pupil must learn in the class-room how, as well as what, to read. The boy in generalization as well as in concentration. to knowledge, is my rule. Many times I must be content to know that the pupil has chosen a fine passage—a sound, sweet thought, without pressing him as to his reason for taste.

Rich instincts flourish none the proudly as it soars." To enlist better for being pulled up by the roots. How far shall we overcome the reserve that, in latter years, may teach us to be ashamed

I know of no more charming

It is a mistake even in older

Sometimes we long for a story of a boy, not so well kept as Tom A way to Parkman's fascinating | Brown—one with ragged shoes pages may be opened by reading with a soul above them like Lin-

If nature can produce any-

afterwards smite this sparkling glode of wrote a very clear account of the thought and reveal to the pos-

This is the growing, glorious 100 "Hypatia," this year reports: "It's and shall not mark, No doubt people may claim that reading in changed, if we could guess at either present or future values. If all depends upon character, the suggestiveness of the teacher, into narrowness. Besides, if he teach the boys and girls that they are to you, more interesting than Miss Alcott's "Jo's Boys," and "Little Women," and you will see who read "Hypatia" has gained them draw up to a new unconscious dignity. Teach them that Analysis, according the lost art of pleasing and conversing comes from gracious instincts and an exact use of our mother tongue. Teach them to dare to walk under the stars, and ask of their own naked souls, what success in life means.

> If I have dwelt longer on the tone of teaching than upon its methods, it is from no lack of interest in the latter.

> If in man you have never felt the lack suggested by this:

"A primrose on the river's brim, A vellow primrose, was to him-And it was nothing more.'

If in woman, you have never realized the beauty and force of these lines:

"The stars of midnight shall be dear to her. And she shall lean her ear in every secret

place, And music born of murmuring sound

Shall pass into her face.'

Then, I shall not meet your approbation. Visionary, is it? Yes: but remember the wisest king of old, and the seer of our modern day, say, "Where there is no vision, the people perish."

The following complete course of reading has been adopted by the teacher of Oceana county, Michigan. This is a step in the right direction. We can but hope the plan may be successfully carried out:

SECOND GRADE.

Little Folks of Other Lands. Stories for Young Children. Grandfather's Stories.

THIRD GRADE.

Seaside and Wayside. Nature Readers. Stories of Industry. History Stories.

FOURTH GRADE.

History Stories. Stories of Heroic Deeds. Little Lord Fauntleroy. Black Beauty. Little Men. Little Women. How Success is Won. Flyers and Creepers.

FIFTH GRADE.

Am. Authors for Young Folks. The Eight Cousins. The Story of Liberty. Uncle Tom's Cabin.

SIXTH GRADE.

Ben-Hur. Old Times in the Colonies. Bryant's Poems. David Copperfield. Will Carlton's Farm Ballads. Without a Home.

SEVENTH GRADE. Building the Nation. Old Curiosity Shop. Merchant of Venice. Whittier's Poems. Green's History of England Daryll Gap.

EIGHTH GRADE. Lights of Two Centuries. Barriers Burned Away. Othello. Julius Cæsar. Thaddeus of Warsaw. Nicholas Nickleby. The Greatest Thing in the World.

savage and the civilized man is that the latter uses the seven handtools. They are the ax, the saw, the plane, the hammer, the square, the chisel and the file. The tools Korea resemble that of both of the savage are his canoe, fishing sub-tropical and glacial countries. producing country. The district net, bow and arrows. The wealth | Barley is the only grain grown in of Seconusee contains twentyof a nation depends upon its skill the northern portions of Korea; six estates, employing 1,500 men. in the use of tools. Steam is the in the southern portions the soil is The cost of production is about 7 The hand is the instrument of cotton, hemp and millet are grown. mand is far ahead of the supply, power, for it wields the mechanical forces.

A Bird's-Eye View of Korea,

In the last ten years a comparatively small nation, situated between two powerful and rival countries-China and Japan-has discarded the policy of isolation and taken active steps in asserting its sovereignty and its independence of China, and has formed intimate relations with the United States and the leading powers of Europe. Korea is the nation referred to, and the following is a summary of some of the principal

facts relating to it:

Korea is an Asiatic kingdom, mainly consisting of a peninsula situated to the northeast of China, and lying between 33 and 43 degrees north latitude, and 124 and whose government is somewhat 130 east longitude. Its length is similar to that of China. Budd-600 miles, from north to south, hism is the prevailing religion, and its width 133 miles from east to west. It contains 85,000 square lowers. The teaching of Christianity miles and its population is 10.- was forbidden in 1888, but this 518,937. Its coast line is 1,700 prohibition is a dead letter, and miles long. The Koreans call the there are now some thirty-five country Cho-sen, which means Protestant missionaries in Korea. "morning calm" The peninsula On the 28th of February, 1884. consists of a large chain of moun- Korea was connected with the restains extending north and south, of the world by telegraphic cable which makes the eastern part of from Fusan to Nagaski, Japan. Korea a ridge and the western part of the country a slope.

The principal rivers are the Tumen and the Yalu on the north, dividing Korea from China and Russia; the Han and the Tatoug, Kim and the Nak-tong. The capital is Hangyang, or Scoul, with pan and China until the royal em-200,000 inhabitants. The climate bassy was sent in 1883 to the of Korea is extremely varied. That of the northern parts, in are now established at Tokio and which there are many mountains Washington, and Korea has also and considerable ice and snow, sent diplomatic representatives to The great difference between the resembles the climate of British Great Britain, Germany, Italy, America, while the climate of the Russia and France, the five Eurosouthern parts of the country is pean nations with which Korea similar to that of North and South has treaties. Carolina. The flora and fauna of principal tool of modern times. quite fertile, and there rice, wheat, cents per pound, but as the de-

are gold; silver, hides, horns, bones, plantation at 20 cents per pound.

beans, fish, pearl shells, hemp, copper ore, tobacco, ginsing, timber and raw silk. The imports are chiefly cotton and woolen goods, tin plate, petroleum, glass, dves and small machinery. 1888 the net value of the Korean imports was \$3.046,443, and the exports \$867,058. In that year the net revenue was \$267,214.98, which was an increase of \$20,-513.66 over that of the previous year. Korea is divided into eight do, or provinces, which are subdivided into 360 prefectures. The people are of the Mongolian race. They resemble the Japanese, but are larger than the Chinese.

Korea is governed by a king, though Confucius has many fol-

In 1876 Japan secured a commercial treaty with Korea, and on May 7, 1882, Commodore R. W. Shufeldt, U. S. N., signed a treaty with Korea on behalf of this country. It is said that no Koreans were known to travel beyond Ja-United States. Korean legations

Mexico is fast becoming a coffee-The principal Korean exports sales are readily made on the

REVIEW

Motto—Pedetentim et Gradatim Oriamur.

Anna Dague, Editor.

Society was visited by Miss Cora Linton, an old Clio, a few evenings since.

There is some talk of the "Merchant of Venice" being again played at the beginning of next term.

the Roxbury school, Johnstown, spectively. will teach a normal in that place this spring.

Miss Kilpatrick was recently made happy by a short visit from; her brother-in-law, Mr. Jones, of Connellsville.

Miss Birdie Moss, an earnest Clio, who had to leave school last spring on account of sickness was with us a few days ago.

Clio still enrolls new members in her ranks, and although the society is very large, still remember, friends, "there is always room for one more."

"Heaven is not gained by a single bound," neither can Clio reach her zenith by a single stride; but steady and unfaltering is the step by which she is and has been seeking the true literary standard.

The Roscoe school, in which Misses Stella Yarnell and Janet Campbell are teachers, will close March 18th with a literary entertainment. The proceeds will be used to purchase a library for the school.

The dedication of the new Science Hall will not take place on the 31st, as announced on our first page, baving been postponed for better weather. The building will be ready for use, however, at the beginning of the Spring term.

"Welcome back, old Clios!" glad recently were we to have the much to the lustre of the performprivilege of once more looking into ances which are ever improving, the bright and smiling faces of and at all times worthy of being Messrs. Bowman, Lewis and Hert-Mr. Jacob Schrock, principal of zog, of classes '91, '89 and '91 re-

> Miss Lytle has during the past few weeks become famous as a critic. This office is undoubtedly one of the most important in socicty work and Miss L. has done great credit to herself by the tact she displayed in bringing out the commendable points and correcting the errors of the exercises.

R. M. Day closed a successful term's work at Lone Pine with an afternoon entertainment on March 8th. A large audience of the pa the rear of the chapel. trons of the school and others were present. An excellent dinner was iontown, is making things lively furnished by the ladies and at the close of the performances Rev. I. N. Frye, on behalf of the pupils of the school, presented the teacher with a handsome gold pin.

The following officers have been elected for the present term of office: President, Mr. Smith; vicepresident, Miss Cline; secretary, Miss Campbell; attorney, Mr. Lewis; treasurer, Mr. Mitchell; chorister, Mr. Altman; critic, Miss Greathead; valedictorian for the close of the present term of school, Mr. Meyers; salutatorian for opening of spring term, Miss Eve Pow-

The appearance of our hall has been greatly improved by placing in the center a beautiful hanging lamp, which is quite an improvement over the old chandelier. Its

great brilliant light is one of its Such is the greeting we extend to commendable qualities and we all former members and graduates; might add that this contributes heard.

> A large number of the students met in the chapel on Saturday. evening, March 12th, and gave a representation of the mode of conducting business in the National House of Representatives. Bills were introduced, debates carried on, points of order raised, pages moved to and fro, members lounged in their chairs with their feet on their desks, the Speaker's gavel pounded, reporters took notes, and altogether a very vivid picture of Congress was given to the large audience in

Mr. Thos. R. Wakefield, of Unin old Fayette as a candidate for District Attorney. If energy and enterprise, coupled with ability and merit, will accomplish anything, his efforts will be crowned with success. Mr. W. attended college at Waynesburg for some time, then came to the Normal and graduated in the class of '78. He taught for a number of terms in the common schools, and was for some time principal of the Model school and later professor of geography and history in the Normal. He is now a rapidly rising member of the Fayette county bar, but still retains a large degree of interest in educational affairs, as is shown by his frequent presence at and participation in local institutes. He was a member of Clio, and traditions of the intellectual giants there were in Clio in those days still linger about the Normal halls. His many friends about the Normal and in California wish him success.

Philomathean Galaxy.

Motto-Non Palma Sine Pulvere.

ARIZONA LONGDON, Editor.

Miss Conger is spending a few days at her home on account of the serious illness of her father.

Many old Philos are expected at the opening of the Spring term, and with them many new ones. Welcome, all!

The names of Rev. C. W. Miller Postmaster J. B. Shallenberger and. Prof. Ford have been added to served by the students in chapel Philo's list of honorary members.

Mr. Wiggins, in his inaugural address Friday evening, gave some very good advice, which, we think, may be a benefit to the society.

Philo is continually adding as co-workers new names to her already long list of active members. To all we extend the hand of friendship.

Our hall is now draped in mourning in due respect to Miss Ella Teggart and Mr. Nichol, whose deaths were recorded in our last issue.

that they may continue in as interesting a manner.

We are accustomed to seeing every Friday evening on Philo's debating platform young ladies, who make the society feel that the ladies are as able for interesting discussion as the gentlemen.

The present officers of Philo are: President, Mr. Wiggins; vice-president, Miss Andrews; secretary. critic, Miss Patterson; treasurer, Miss Wilson; marshal, Mr. T. P. Sloan.

Mr. H. F. Parsons, '90, and Mr. L. S. Weaver, earnest Philoworkers, paid us a visit Friday evening and each expressed himself as being glad to be again in Philo hall. Come again; we are always pleased to see old Philos and hear their voices.

Washington's birthday was obhis life was given in sections by different members of the school. The music rendered by the Juniors on this occasion showed excellent our departed brother and schoolmate. preparation.

with great anticipation to their proposed trip to Washington city. It is needless to say than an infinite number of air-castles have been blown to pieces.

Another new term—the last one The orations which have been of the year-now approaches us. It given in chapel have been listened is with joyous hearts that we look to with much interest; the wish is forward to the opening of a new parents an affectionate daughter, and term's work; for we know then our pupils a faithful and loving teacher. ranks will be filled to overflowing with willing hands to aid in hoisting Philo's banner higher, if possible, than it has ever been in the past. But, a sad thought presents itself to those for whom it is the for our departed sister, our society hall last term-not for a year, but for a life—in which they can engage in i the noble work. Yet, this is an they be published in our school paper incentive to each one to perform, and posted in the minutes of our society. faithfully, whatever work is given Miss Steele; attorney, Mr. Gabby; him. May it be a term's work of which we may justly be proud; and one upon which we may look in after years with feelings of pleasure.

Resolutions on the Beath of C. J. Nich(1.

WHEREAS, It has pleased Almighty God in his infinite wisdom to remove from our midst to the great society above our beloved brother, C. J. Nichol, it becomes our sad duty and privilege to offer our tribute to his memory, therefore be it

Resolved. That in his death our society has lost a true member; his parents a dutiful son, and schoolmates a loving asseciate.

Resulvee. That we extend to his sorrow-Tuesday morning. An account of ing relatives our deepest sympathy in this dark hour and commend them to the Great Physician who healeth all of their wounds.

Resolved, That as a token of respect for our society hall be draped for a period of thirty days; that a copy of the reso-The Seniors are looking forward lutions be presented to the family of the deceased; that they be published in our school paper and posted in the minutes of our society.

On the Death of Miss Ella Teggart.

WHEREAS, It has pleased Almighty built concerning the excursion, and God in his infinite wisdom to remove our hope is that they may not be from our midst to the great school above our beloved sister, Ella Teggart, it becomes our sad duty and privilege to offer our tribute to her memory; therefore be it

Resolved, That in her death our society has lost a true friend and worker; her

Resolved, That we extend to her sorrowing relatives our deepest sympathy in this dark hour, and commend them for consolation to the Great Physician who healeth all their wounds.

Resolved, That as a token of respect be draped for a period of thirty days; that a copy of the resolutions be presented to the family of the deceased, that

> MARY H. MCINTYRE. FLORA HORNE. MAUDE MCLAIN. CHAS. E. CARTER. THOS. P. SLOAN. Committee.

Language.

ENGLISH.

MODELS FOR PARSING.

PRESIDENT B. L. ARNOLD, PH. D.

I. THE NOUN.

- 1. General Class, Definition.
- 2. Sub-class, (Common or Proper; because etc.
- 3. Grammatical Predicates:
 - 1. Gender, because, etc.
 - 2. Number; because, etc.
 - 3. Person; because, etc.
 - 4. Case; because, etc.
- 4. Construction.
- 5. Inflection (Declension).

Constructions of Nouns.

- 1. Subject of a verb-Rule.
- 2. Predicate of a sentence—Rule.
- 3. Object of a verb-Rule.
- 4. Object of a preposition—Rule.
- 5. Apposition—Rule.
- 6. Absolute construction—Rule.
- 7. Adverbial Objective—Rule.
- 8. Factitive Predicate—Rule.
- Possessive or Genetive case— Rule.
- 10. Vocative.

II. THE PRONOUN.

- 1. General Class, Definition.
- 2. Sub-class (Personal, Relative, Interrogative, Demonstrative, Indefinite); because, etc.
- 3. Grammatical Predicates (Gender, Number, Person, Case); because, etc.
- 4. Construction (1. Refer to Antecedent in Gender, Number, Person; (2. Is subject, object, or possessive); because, etc.
- 5. Inflection (Declension).

III. THE ADJECTIVE.

- 1. General Class, Definition.
- 2. Sub-class (Qualifying, Numeral, Pronominal);
- 3. Degree (Positive, Comparative, Superlative);
- 4. Construction (Qualifies a Noun)
- 5. Inflection (Comparison).

IV. THE VERB.

- I. General Class, Definition.
- 2. Sub class (Transitive or Intransitive); because, etc.

- 3. Conjugation (old or strong, and new or weak); because, etc.
- Principal parts (Present Preterti, Past Participle),
- 5. Grammatical Predicates:
 - 1. Voice; because, etc.,
 - 2. Mode; because, etc.,
 - 3. Tense; because, etc., 4. Number and person;
- 6. Construction.
- 17. Inflection (Conjugation).

CONSTRUCTIONS OF THE VERB.

- I. Agreement with the subject in number and person—Rule.
- 2. Direct or indirect object—Rule.

V. THE ADVERB.

- I. General Class, Definition.
- Sub-class (Time, Place, Manner, Degree, Modality,) because, etc.
- 3. Construction (Limiting a Verb an Adjective or Adverb).

VI. THE PREPOSITION.

- I. General Class, Definition.
- Construction (shows what words it connects and what relation it expresses).

VII. THE CONJUNCTION.

- 1. General Class, Definition.
- Sub-class (Co-ordinating or Subordinating); because, etc.
- 3. Construction (shows what words or sentences it connects).

VIII. PHRASES

- 1. General Class, Definition.
- Sub-class (Noun, Pronoun, Verb, Adjective, Adverb, Preposition and Conjunction).
- Construction (same as the part of speech for which the phrase stands).

1X. CLAUSES.

- 1. Definition.
- Clause (Independent or Dεpendent).
- 3. Sub-class of Dependent (Adjectives, Adverbs, or Substantive).
- Construction (same as the part of speech, for which the clause stands.

Inattention is rarely seen where the teacher habitually uses a cheerful, low voice, coupled with the downward inflection of earnestness.—R. Anna Morris.

Additional Language Work.

CAPITAL LETTERS:

Official titles.

Literary titles.

TALK

Amphibious animals. Chile's offense to Uncle Sam. Washington as a farmer.

Discussion:

Which is of the greater value to mankind, the sewing-machine or the telegraph?

Conversation and Composition:

- Our first President; his wife; the institution of customs pertaining to the presidency; was there a marked imitation of royalty?
- A journey through Southern Europe; interesting sights and experiences; the customs and employments of the people.
- A lamb calls our attention to the fleece on its back, and prophesies concerning its use and experience in the world.

Memory Gems.

There is no substitute for thorough-going, ardent sincere earnestness.—*Dickens*.

Honor and shame from no condition rise:

Act well your part, there all the honor lies. - Pope.

But words are things, and a small drop of ink,
Falling like dew, upon a thought,

produces
That which makes thousands, per-

haps millions, think; 'Tis strange, the shortest letter which

man uses
Instead of speech, may form a lasting link

Of ages; to what straits old Time reduces

Frail man, when paper, even a rag like this

Survives himself, his tomb, and all that's his.—Byron.

Courage consists in not blindly overlooking danger, but in seeing and conquering it.— Ritchter.

There is no crown in the world so good as patience.

So, here hath been dawning another blue day,

Think, wllt thou let it slip useless away?—Carlylc.

When wisdom entereth into thine heart, and knowledge is pleasant unto thy soul, discretion shall preserve thee, understanding shall keep thee.—Bible.

Be good, dear child, and let who will be clever;

Do noble things, not dream them all day long,

And so make life, death, and that vast forever,

One grand, sweet song.—Kingsley.

Mental Drill in Arithmetic.

B. K. S.

It is a fact that there is by far too much written arithmetic in practice in obtaining results by by her superiors. quick mental processes, is as greatly to be desired. To use some mental arithmetic at all times is not well. Teach concentration of attention by giving some problem to the school, and at first have the pupil repeat only the problem. Do not have it too long to commence with, and do not use the book yourself.

Each child will follow closely, and by this means you will develope a faculty of retention of the entire thought. Too many children, in which this has been neglected, actually lose sight of appeared to study in English in the first part by the time the last general. though giving their attention. When each member of a class can repeat an entire problem, the teacher can go on to the next step; have them solve the problem mentally. Begin with single and more as the strength of the necessary to confine one's self to abequals what?

Now and then such exercises formed in precisely the same way may be of value, but to most as the dew on the grass. minds such combinations are puzzling in the extreme. It is not upper air, but close to the surface the desire of this article to decry of the ground; and it differs from practice in such lines; we magnify dew in being formed, not on the

mental principles are taught, it the midst of mountains, which cool seems as if such mental drills the air that surrounds them, so would be of great value. In these that the moist vapors rising from lower grades we believe in laying the valleys are condensed as soon a good foundation of abstract num- as they reach the higher regions. bers. The pupil, who is not sure | Mist is partly deposited in moisof the mechanical part, will be ture on the earth, and partly reoverwhelmed by the difficulties evaporated and dispersed by the which confront him, in a concrete heat of the sun. problem.

complain that their work is particles run together and form hampered by the pupils' inability drops, which can no longer be susto perform the mechanical part of pended in the air, but fall to the their problems accurately. Much earth by their own weight. This of the work in these lower grades is rain. When rain drops are many of our schools. This is im- is done well, and in most instances, frozen in their descent, they form portant, most important, but it where it is faulty, it is because the hail. When the minute particles renders the pupil entirely de-teacher has been obliged to hasten are frozen without assuming the pendent upon pencil and paper; in order to cover the work laid out form of drops, they fall to the earth

Fifteen Minutes in Physical Geography.

BY CHAS. H. SMITH.

During a recent vacation I visited a school in which every member seemed to be thoroughly filled with the subject under considera-When "Longitude and Time" were being discussed, one would have thought the class were a body of young navigators, and The class in history much familiarity as though they few notes from the recitation in Physical Geography will be self explanatory.

Dew is vapor deposited on grass, thought examples, and add more the leaves of trees, stones, and other objects, when they are colder glass is really covered with dew, rivers is east and west.

Mist is cloud formed, not in the the necessity of quick mental drill. ground, but in the air immediately In all classes where the funda-above it. It frequently occurs in

RAIN, HAIL, SNOW, &c.—When The higher grades of all schools condensation continues, the minute in snow. The two other forms in which the vapor of the atmosphere is condensed are dew and mist.

> Brooks and Rivers. — This moisture saturates the surface. forming morasses or swamps; or saturates the sub-soil, forming springs. Morasses and springs overflow into brooks and rivers. Brooks and rivers carry the moisture to the sea, whence it came, and thus the system of water circulation is completed.

Some brooks and rivers come the beginning class in grammar from the glacier-ice of great mountains.

RIVER - BASINS AND WATERpart has been reached, even talked of places and battles with as SHEDS.—A great river and all its tributaries form a river-system. The had been there themselves. A high land between two adjoining river-basins, which, like the ridge on the roof of a house, divides the water flowing from it, and sends the rivers in opposite directions, is called the water-shed. When the water-shed lies east and west, as in class requires. It does not seem than the overlaying air. Take a Europe and Asia, the general diglass of cold water into a hot room, rection of the rivers is north and stract work entirely, merely pre- and the outside of the glass will south. When the water-shed lies senting an array of figures, such immediately be covered with a north and south, as in South Ameras $9 \times 8 \div 4 \times 15 - 10 \times 50 \div 25$ film of minute water-drops. The ica, the general direction of the

The Relations of the Public Library to the Public Schools.

W. H. BRETT.

There is a strong desire and earnest effort evinced by discussions which have taken place broaden and enrich course of study in the Grammar schools. The various plans which are urged for this purpose have this in common—that they are disposed to free themselves from the exclusive use of text-books, liberally educated man. It is the text-books which are too often mere quiz compends and to study literature. history and the natural with books and stimulate their sciences by broader and more attractive methods. the use of books and suggests the library. If I am able to illustrate libraries of the country are doing the value and emphasize the nemuch in this direction for the cessity of co-operation of teacher and librarian I shall have accomplished my purpose.

lic school are the development of ance to the pupils in their use. the last sixty years. These sixty They issue a larger number of years of the life of our country books to teachers for the use of have been years of vigorous their pupils in some instances to growth, boundless expansion, mar-the extent of fifty volumes in each velous activity and undreamed of room. In some libraries special progress. They have witnessed study rooms are provided to which changes in the conditions of busi-teachers may bring their classes ness and manufacturing which for lessons to be illustrated by volamount to an economic revolution. | umes in the library. It is not wonderful that a large and increasing population cannot ence and study by both teachers without difficulty accommodate and pupils is an important part of itself to such changed conditions. the work. The Worcester, Mass., It is wonderful that the discontent public library has done exceptionis not more general.

demand for some change in educa- Detroit, the Chicago and the St. tional methods which will render Louis public libraries are all active them more helpful in the struggle in the work, The work of the for existence. It has been urged Milwaukee and Cleveland libraries that the public school should aim is noticeable, in that they have to fit its pupils to earn a living, carried further the plan of placing This demand ignores real educa- larger collections of books in the tion. The aim of the sehool is school room for a longer time, character, not livelihood. Given forming practically little branch this and that will foilow. It would libraries for the use of pupils and fit its pupils to live a life, not their families. The advantages of merely earn a living. It would this plan are very great, and its set their feet in that way which if good influence extends beyond the they should continue to walk school room. therein they would reach true. These collections include history, manhood and womanhood.

quickening impulses of the times, and made its greatest growth within the last twenty years. The library association, journal and school are all progressive and helpful. There were in 1885 twenty millions of volumes in five thousand libraries, an increase of more than fifty per cent. during the past The years since nine years. elapsed have been full of growth.

The library supplies the means of self-culture to those of the slightest attainment and to the work-shop of the earnest student.

To supply the young people reading and to guide it to higher This implies levels are among the most important duties of the library. The children both in school and out. They buy books especially with reference to the needs of the school, The public library and the public furnish every possible assist-

The use of the library for referally good work in all these lines One result of this has been a during the last twenty years. The

The public library has shared the of good stories. The testimony of be remarked in the sky. Many of

the teachers as to their value is unanimous. Interesting the pupils, they assist in the discipline of the school. They are influential in replacing trash reading; they improve the pupils in the use of language and give them broader information in history and geography. They influence the homes of the pupils for the better. The broadening methods of the Grammer schools compel the use of books. The advantages of small collections for each school in all grades, from those who have just acquired the mechanical art of reading to the highest Grammar grades, is very great. The High school pupil needs a larger collection of books and must use the main library. The importance ol this work for the lower grades cannot be overestimated. They contain that great majority who will never enter the High school, whose opportunities are least and whose needs are greatest. Let the resources of our libraries be used to the utmost for their benefit. They cannot be used more worthily. Let the teacher and the librarian unite their best efforts to help those boys and girls to read and to enjoy reading. Then, though their school days must end so soon, their education will go on increasingly.

The Stars and the Earth.

It is generally thought by astronomers to-day that all the celestial phenomena within reach of human vision belong so a single great system; but it is not yet possible to say just what the controlling order in the motions of the stars composing the visible universe is. Observation shows that all the stars are in motion, but with varying velocities, and in all possible directions. In the same quarter of the sky, and even in comparatively crowded aggregations of stars, some are found to be moving in one direction and some in another. In the case of the well known figure of the Great Dipper, for instance, the motions of the stars are such that in the course of some thousands biography, travel and a fair share of years that figure will cease to

its stars will have separated, going brated as the great central sun. in several directions, although some But it was all imagination. Later of them will continue to keep com-investigation showed that Madler pany, as their journey lies the same was mistaken, and now astronoway in space. So, too, some of mers are not even prepared to say the stars are approaching us and in what direction the center of the some are receding from us. The sun's motion lies, or, indeed, spectroscope, aided by photogra- whether it is not at present actually phy, enables astronomers to meas-flying ahead in a straight line. The ure the velocity of these flying fact seems to be that there are suns that are either coming nearer many centers of motion, as the to us or passing further from us, tendency of the stars to aggregate with an accuracy that takes account in streams and clusters indicates, of a single mile per second. The sun is not exempt from this universal law of motion. It is speeding at the rate of several hundred millions of miles in a year toward a point in the northern heavens situated not far from the brilliant forces of development that it serves star Vega, a sun that is vastly more as an argument in favor of the view luminous than our own. So we that all we see are only different on the earth are not travelling, as parts of a single system. Elements most persons imagine, in a beaten that exist in the earth are detected track around the sun year after glowing in the atmospheres of stars year, but the earth follows the in all quarters, but the same instrusun in its northward pointed course ment which reveals the presence of and consequently sweeps onward these elements, discovers also the in vast spirals around the moving fact that the bodies constituted of sun, so that we are continually them are in various stages of deborne into new regions of space.

gravitation throughout the universe its condition is not permanent and has been questioned, but never very seriously, and every fresh we behold suns which are evidently investigation of stellar motion glowing with a far fiercer energy law really governs the whole visi- radiation than our sun exhibits at ble celestial system. In the case present. But we may go a step of the binary stars, of which a further back than that which Sirius great number are known, the or any star represents, and perceive revolution of the two stars around in the whirling spirals of the one another or around their com- Andromeda nebula, and in the mon center, evidently takes place vast streams and condensing aggrein obedience to that law. Now, if gations of the Orion nebula, evi gravitation extends throughout dence of the formation of stellar the universe, no star can escape centers out of elemental chaotic from the attractive influence of clouds through a process that is every other star, and of all the going on now, and, so to speak, other stars. itself forms, as it were, a system living universe which includes the of links or chains binding the earth that we inhabit.—New York stellar system together. More Sun. than once it has been imagined that the great center of motion in the universe had been discovered or , located. Many years ago Madler thought that the Pleiades were the center around which our great German historian, died at Kiel, star Alcyone became widely cele- Mommsen was one of the last of a dwind- ions.

but the precise relation of these aggregations to one another has not yet been made out.

The very variety which we behold in the universe shows so clearly the operation of systematic velopment. Our sun represents The extension of the law of only one type of a solar body, and unchangable. In Sirius and Vega form Advocate. So gravitation in under our eyes. It is indeed a

DEATH OF PROF. MOMMSEN.

Professor Theodor Mommsen, the

ling group of scholars who made a golden age for Germany's universities. Mommsen belonged also to a political generation which is almost extinct, He was one of the empire's forty-niners; that is, the men who worked and suffered in the revolutionary days of 1848-49. Mommsen was born on November 30, 1817, at Gerding, in Holstein. His earliest education was given him by his father, an evangelical pastor. From the gymnasium at Altona he was graduated into the university of Kiel. In 1842 he became a doctor of philosophy, and one year later, at the age of twenty five, he published the first of a long series of works on which his fame as a scholar rests. It was entitled "De Collegiis ed Sodaleis Romanorum". This was followed soon by another work of smilar thoroughness and beauty of style, and dozens of letters, essays and criticisms in newspapers and periodicals.

Mommsen, still under thirty, was known throughout Germany, not only for his dashing style and deep learning, but also for his arrogance and bitterness in controversy. His great work was his "History of Rome," which is one of the classics of history. Mommsen was a bitter foe of Bismarck, and for a severe attack on him was arrested. but on his trial was acquitted.—Re-

Intellect is the gift of God and strengthens the belief that that and a much greater intensity of in respect for Him it should be cultivated with the greatest assiduity. "Bury not thy talent in the earth" is the impressive mandate. But sowing in the soil of intellect the seeds of wisdom and truth, he will reap rich honors that will forever shine among the world's renowned of intellect.

Man is surrounded by the greatest and best minds which have reared their monumental piles upon the soil of intellect. The immortal Shakespeare, who searched out and exhibited the workings of the human heart; the philosopher Bacon, in whose colossal mind we find the origin of genuine science; the classic Milton, whose immense learning designated him as the finest scholar England ever produced; as well as modern poets and phisun was moving, and the beautiful Germany, February 3. Professor losophers are alike his compan-

Grammar.

The Horizontal Diagram.

MAY ALEXANDRA FRASER.

Preparation for the lesson: The class has been taught the oral analysis of simple compound sentences eontaining adjective, adverbial and objective modifiers of the first and second class.* Their teacher has promised them that as soon as they have mastered the oral analysis she will teach them to diagram, and they have been very anxious for the time to come when they shall explore the mysteries of the new word that sounds so inviting.

Miss Blank steps to the board, and drawing a horizontal line says, "Every sentence, you know, must have a subject and predicate, either expressed or understood; they are the foundation upon which the sentence is built; this line represents the foundation, or necessary elements, and I will divide it in the center, with a short vertical line to show where the subject ends and the predicate begins:

We will take the sentence, 'Boys write.' 'Boys' is the subject, so I will put it on the horizontal line, at the left of the vertical, because participle, adverb or adjective." that is the part of the diagram which always represents the subject, and writing a word there is just the same as saying that it is subject of the sentence. To the right of the mark of division I place 'write,' because it is the predicate:

Boys write

The first row may come to the board and diagram this sentence, while the others do it on their slates: 'Men think.' The second row: 'Girls play.' Yes; you see it is very easy. But suppose that our subject is compound, 'Boys and girls write,' then we will put both members of the compound element on the subject line, with

Form for Oral Analysis,

the connective just above like this: Boys girls write

The third and fourth rows go to the board and diagram. 'John and James play,' 'Mary plays and sings.

"But suppose the sentence has a noun or adjective predicate joined to the subject by a copula, we separate the copula by means of a colon, thus:

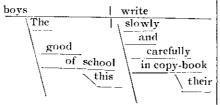
> Iohn is: tall

All sentences do not consist simply of subject and predicate. What kind of element do they sometimes contain, Ella?"

"Adjective and adverbial elements." Yes, and —?" "Ob-"A small jective elements." slanting line represents both the adjective and adverbial element:

I wonder if any one can tell me when it represents an adjective and when an adverbial element, John? "I think it represents an adjective element when it is joined to a name a pronoun."

"You are right, and an adverbial element when it is joined to a verb,



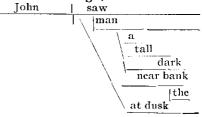
The objective element.

"Besides the adverbial, what kind of element may modify a verb?"

"The objective element."

"We cannot use a slanting line to represent it, because we have already taken that for the adverbial element, so we use a short vertical

John them by averbial elements, we join them to the predicate line by means of the adverbial sign, as before:



A sentence. Why? Simple, complex or compound. Why?

Dec., Int. or Imp. Why? Subject. Why? Predicate. Why?

Object. Modifying what? Subject modifies, Modifying what?

Predicate modifies. Modifying what?

Object modifies. Modifying what?

†This is a condensed account of several lessons. The signs for the copula and objective element were not touched upon until the first steps had been mastered, and were then given one at a time.

The Gulf Stream.

The currents of the ocean are the great transporters of the sun's heat from the torrid zone to temper the climate of the polar regions. It is argued by some that such a stupendous change as that which occurred in Europe and America at the time of the glacial period was caused simply by a deflection in the currents in the northern hemisphere whereby its share of tropical heat was partly diverted toward the south. In the three great oceans, the Atlantic. the Pacific and the Indian, there is to be found a similar circulationa general westerly movement in the tropics, a flow toward the poles along the eastern shore of the continents, an easterly set in the temperate zones, and a current toward the equator along the western shores. This system thus becomes a grand circular movement, some parts being very slow, When the verb is also modified | but still quite constant; and other

shoots here and there, due to local thirty-nine miles wide, has an causes, and perhaps in the slowly average depth of two thousand tilities ceased. - John Elliott Pillsmoving current there may be a feet, and a velocity at the axis (the temporary interruption, but, taken as a whole, the movement is continuous.

The part of this circulation flowing along the eastern coast of the United States is the greatest of all these currents, and, in fact, is the we could evaporate this one hour's most magnificent of all nature's flow of water and distribute the wonders. This is the Gulf Stream. The name Gulf Stream was first suggested by Benjamin Franklin, because it comes from the Gulf of nearly sixty pounds. Mexico. While it is a portion of the grand scheme of ocean cir-tory of the Gulf Stream how great culation, and the Gulf of Mexico its influence has been on the foris in reality only a stopping-place, as it were, for the waters, the name the discovery of America strange fices.' is generally applied to the current when it reaches the Straits of Florida, north of Cuba. In the large and off-lying islands. funnel-shaped opening toward the Gulf of Mexico the current at first is variable in direction and velocity, but by the time Havana is reached dence of the fact that strange important step to be taken to proit has become a regular and steady | lands were not far to the westward. flow. the Florida shore the Straits con- Gulf Stream and by the prevailing tract, and the water then practically winds from the American contifills the banks from shore to shore nent, so that in part the Gulf tation and the county seat is the and reaches almost to the bottom, Stream is responsible for the diswhich is at this point about three covery of the New World. Ponce work an advance step in the educa thousand feet deep. As it leaves de Leon, while on his famous tional work of our sister State and the Straits of Florida its course is search for the Fountain of Youth, about north, but it gradually made the discovery of this more similar law provided for West Virchanges its direction, following practical beneficial phenomenon. ginia.—W. Va. School Journal. approximately the curve of one hundred fathoms' deep until it the first to gain a fairly accurate arrives at Cape Hatteras. From knowledge of the limits of the cur-strates the absurdity of our barthis point it starts on its course to rent between America and Europe, barous system of weights and velocity as well as in temperature, it gradually diminishes in both, never between the two. stream, and it is so in truth, as far nearest stars. At its narrowest advantage the knowledge would from one system into the other.

point of fastest flow) of from three to more than five miles per hour. hour's flow past Cape Florida is ninety billion tons in weight does not convey much to the mind. If remaining salt to the inhabitants of the United States, every man, woman and child would receive

It is curious to note in the histunes of the New World. Before woods and fruits were frequently found on the shores of Europe Some of these were seen and examined by Columbus, and to his thoughtful mind they were confirming evi-As it rounds the curve of These woods were carried by the The whalers of New England were whales, which were found north of statistics

parts very swift. There are off-part in the Straits of Florida it is be to the British naval officers, suppressed it all he could until hosbury, in the Century for February.

> At its last session the Legisla-To say that the volume in one ture of Pennsylvania passed an act requiring the county commissioners of each county to "provide, furnish and maintain fit and suitable office rooms," at the county seat of each county for the use of the county superintendents of common schools; also to provide and furnish and maintain safe and suitable storage in connection with such office rooms, for the preservation and safe-keeping of the school records, books and documents, "pertaining to such of-

> > The friends of county supervision will readily see that next to provision for a fair salary, the provision for an office at the county seat, and a place where school rec ords can be preserved, is the most mote the growth and usefulness of county supervision.

It is necessary that the county superintendents have a local habiplace for it. This legislation wil we hope at an early day to see a

Nothing more forcibly demon-Europe. It has lost something in by following the haunts of the measures than the compilation of We have tons of 2,240 and as it journeys to the eastward one line and south of another, but pounds, of 2,000 pounds and the This, metric ton of 2,204 ½ pounds, or until it becomes a gentle flow as it they reasoned, was the Gulf Stream 1,000 kilos, to say nothing of the approaches Europe. People think current. Benjamin Franklin re- other special tons used in certain the Mississippi river a grand ceived this information from the industries. We have ounces troy whalers, and published it on a and avoirdupois, and grains and as land rivers go; but great as it is, chart for the benefit of the mail grams, with innumerable other it would require two thousand such | packets plying between England | weights. It is indeed high time rivers to make one Gulf Stream. and the colonies. The chart was that all civilized countries adopt The great ocean river is an irre-lissued about 1770, but was not the single metric standard of sistible flood of water, running all accepted by the English captains. weights and measures—in which the time, winter and summer, and Before it came to be generally case the statistics bonpiled in one year after year. It is as difficult known and used the trouble be-country will be available for comfor the mind to grasp its immensity tween England and the colonies parison elsewhere without necesas it is to realize the distance of began, and Franklin, knowing the sitating the laborious recalculation

The Cook County Normal. ENGLEWOOD, ILL.

DEAR REVIEW:-Making a broad classification, it may be said that with respect to their attitude and spirit, schools are divided into two classes. One class believe (or act as if they believed) that the ultimatum of knowledge and the perfection of methods have been reached; the other class believe (and practice what they believe) that the "sine qua non" has not been reached. And, while they are conservative to the degree that they do not accept as true "each new hatched, unfledged" theory, because it is new, yet they keep their eyes open in search of the truth, and as soon as the new will bear the test of unprejudiced reasoning they will give it a trial. as man is not finished yet; that geology is still toiling to-day at the unfinished earth, and that a higher evolved from present material.

To this latter class I believe the Cook County Normal, in the City of Chicago, belongs; and I may add right here that the school in whose interest you are published, dear REVIEW, belongs to the same class. There seems to be a close relationship between the California Normal and the Cook County Normal, one of the best teachers in this school, Mr. Jackman, being a graduate and exteacher of your school; also one of the best teachers in the California Normal, Miss Eve C. Downer, being a graduate of this school. Because of this mutual interest we started out to write a few notes about our present school.

The training class numbers about one hundred and fifty. While the school is conducted first for the residents and teachers of Cook county, yet its students come from as wide a range almost as do those from any of our large colleges. The present class has representations from 19 of the different states, scattered from Massachusetts to California, and from Wisconsin to Texas; two from Canada, one from Ireland, one from Norway and one from Switzerland. We have many visitors distinguished in educational circles. In looking over the visi-

tor's register we find the following within the last two months: James L. Hughes, Toronto, Canada, inspector of schools; David McPherson, chairman of school management committee, Toronto, Canada; George T. Murphy, assistant superintendent of schools, St. Louis, Mo.; C. L. Ford, Ann Arbor, Mich.; J. Howles, London, England; J. Toensfeld, principal Educational Institute, St. Louis, Mo.; Mary A. Tanner, superintendent of Harden county, Iowa; and Mary A. Livermore, the authoress and lecturer, of Melrose, Mass.

Outside of Illinois Pennsylvania has more representatives here than any other

The city of Chicago takes about three hundred new teachers each year to replete her ranks, and the present City Superintendent has said there would be no doubt that all members of the Normal who would pass the city examination would get positions in the city if they so wished.

The class of '91, of the S. W. S. N. S., They believe that the world as well has three representatives here now, [Misses Etta Lilley, May Reis and the writer, and it is to be hoped that many more in the future will avail themselves of a solid year of training pure and simand nobler race of people is to be ple. Wishing you and the institution you represent, dear REVIEW, unbounded success and usefulness. I remain your earnest friend. C. H. D.

> Rev. A. S. Flanigan, '87, of Algona, Ia., in a letter not intended for publication, but which will interest many of our readers, writes as follows:

Since I came to Iowa and entered the ministry I have been very successful. I began on the lowest charge in the district and now have the best or highest grade. There are three points of the same rank. Algona is the head of the district; it is a town of about three thousand inhabitants. It has a normal school which, it is hoped will become a State Normal at this session of legislature. Prof. Gilchrist was here two or three years as principal of the school but is now in Sioux City in the new university, We have a large membership and a nice church. There are eight churches in the town. My salary is \$1,200. I was married last winter to Lois Miller, of deserved and tangible compliment. Mt. Vernon, Ia.

Mrs. Josie Sheplar Miller writes from San Francisco, California, as follows, to the Daily Republican: I wish I could send you some of this glorious June weather in return for the Republican, the Senior class.

which is a daily welcome visitor. I am in excellent health, weigh 10 pounds more, and feel mighty comfortable. Have visited a number of schools and find them inferior to our Pennsylvania schools, while the school houses are horrible! All children have to be vaccinated when they enter school; I had Hazel vaccinated, and she has been quite ill in consequence, with cow pox. I will have a school and begin life again as a teacher about the first of March.

A few days ago we enjoyed a short visit with Rev. L. O. Sutherland, who is located at Livermore, Ia., and engaged as a Sabbath school missionary of the Ft. Dodge Presbytery. Mr. S. and the editor were classmates in the S. W. State Normal school of Pennsylvania, Although we had not met since the summer of '83, we found no difficulty in bringing the retrospective telescope to a focus on the upper Monongahela, and the scenes of chapel, class room, campus and river, were presented to our view again. An occasional visit with some of the classmates of your school days, has, we believe, a more rejuvenating effect than Dr. Keeley's bi-chloride of gold .-Wright County Teacher.

The chair of Elocution has been happily filled by the selection of Miss Acken, a graduate of Dr. Emerson's celebrated school of Oratory in Chicago. She was also for some time a teacher in that insfitution. Coming recommended as she does and with this record, we cannot doubt her entire success in her new position.

Rev. C. W. Miller, of the M. E. church, visited us at morning chapel, March 10, and gave us an unusually interesting and instructive five minutes' talk.

Prof. Hall attended the Epworth League convention in Washington last week. H. F. Parsons and Harry Chalfant were also delegates.

The school board at Uniontown has increased Principal Lee Smith's salary from 90 to 100 dollars a month. A well

At chapel, on March 11th, a large number of short selections from the poet Longfellow were recited by various students. The song "The Bridge" was finely rendered by Miss Gallagher, of