The Scholastic Year.

EDITED BY THE STUDENTS.

"Lavor omnia vincit."

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Editors of the Present Number:

T. O'Mahony,

J. Gibbons.

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All business letters should be addressed to

W. R. Spalding, Cor. Secretary,

Rev. A. Lémonnier, S. S. C., Director.

No. XXXVI.

There is no doubt that the mathematical sciences do not develop a more important branch of necessary knowledge than surveying. In fact, history tells us that it was the need of mankind in this particular that first gave birth to the study of abstract geometry, (as the very name "geometry"—the measurement of land, indicates,) just as arithmetic has mainly arisen from the complication of pecuniary matters, and of different currencies, weights and measures in use among men; and algebra (with the higher branches of analysis) from the requirements of astronomy. Astronomy itself (if we except the curiosity of mankind in regard to the superstitions of judicial astrology, which had more than half to do with the advancement of the real science) is mainly valuable as it is the science of time, and the division of time into years and months and days. So that all the chief branches of mathematics are merely accessories to the great science of life, as applied to the Art of Living.

But some will say, one can get through life very well without any thing more than a little arithmetic. Very true, but it is because you use the geographical works, the almanacs, and the interest-tables that have been prepared by others, to a mind without reflection these things may appear very dispensable, but we can hardly realize the state in which we should be if all knowledge of these were allowed to perish from amongst us; and moreover, in mathematics emphatically, a little knowledge is a dangerous thing. A man who would undertake to settle a difference between his neighbors in regard to the position of the fence between their respective estates, would very likely rob one of them to the unjust advantage of the other, if he were not thoroughly conversant with the minutiae of magnetic variation. And if he were under the common impression that the sun is always due south at noon, or that the polar star is always due north, by running a division-line on that supposition he might be guilty of a similar fraud. If it were not for the correction in the calendar, which it took the nicest mathematical skill to effect, we might be keeping Easter in the middle of harvest, and Christians would be obliged to attend to their paschal duties at the busiest season of the year. The honest and affectionate emigrant, whose industry has enabled him to send home assistance to his aged parents in the land of his birth, would find himself much embarrassed in the exercise of this filial duty, if he were obliged to seek out a trustworthy friend who would undertake to convey his proposed remittance to them in the form of gold and silver. But why should we speak of emigrants to any distant land, as long as we suppose an ignorance of the figure of the earth, and of the art of navigation with the mathematical principles upon which they depend? In fact, we cannot mention any phase of modern civilized life, which does not involve a proficiency in mathematical science, expressed or implied.

The place which the mathematics hold in all systems of education is due rather to the mental discipline their study affords, than to the practical use to which they will be put by the individ-
in the direction of a road which forms one side of the field, will make it a different place in a few months.

3. The survey of a vast and irregular tract of ground lying near the old Indian burying-place, and whose area had long been a subject of controversy between Brother Paulinus and those who assist him on the farm. This subject of dispute has been set at rest forever by the labors of the Surveying Class of 1868. The work (which would have taken some of our former classes a month to accomplish) was effected (owing to their perfect organization and zeal) by the present Class in the short space of one afternoon.

4. But the most extensive survey, and that upon which the Class founds its chief claim to superiority, is a vast system of triangulation, extending over a considerable portion of the surrounding country, and by which have been calculated the distances and locations of the principal institutions in the neighborhood. We give some of the results as matters of general interest. The distances, calculated in miles, furlongs and rods, and, true to within five rods, are to be considered, as straight "bee-lines" between the localities, and not as the distance on the roads, except in the few instances in which there happens to be a straight road between the two points: The distance from Notre Dame University to the

Railroad Depot, South Bend, is 2 5 30
To Court House, South Bend, 2 0 25
St. Joseph's Academy, 2 2 25
Northern Indiana College, 2 6 10
First turn in the road, going to town, 1 1 35
Chapel in the Graveyard, 4 25
St. Mary's Academy, 7 30
The Missionary's Home, 1 35
Residence of Prof. Howard, 4 35
Mr. Chalfant's Farm house, 4 35

The new house lately erected in New Dublin by Mr. P. Talbot is exactly a mile from the College.

The next survey which the Class proposes to undertake, will include a portion of Cottin's creek. We remember when, in the times of the old "Progress," it was considered a good joke to talk of surveying Cottin's creek, the serpentine direction of that classic stream being considered sufficient to dismay the stoutest-hearted surveyor. However, what former Classes would wince at, (and justly,) the present Class considers only as amusement. We shall perhaps be able soon to give our readers a further account of our success.
N. B. Rev. Father Superior, when he learns the public services rendered by the Surveying Class, will no doubt deliberate on the propriety of offering them a free lunch, to which they have certainly as good a claim as certain noisy individuals whom we could mention. He may perhaps be afraid that the delicate sensibilities of the Class would be wounded by such an offer, but we beg respectfully to remove his scruples on that point. We may add, in conclusion, that the services rendered to Br. Peter by two of the most prominent members of this Class, in his present great work of laying out the park in front of the college, have drawn from him the most profuse (and at the same time judicious) expressions of commendation.

**MATHEMATICS.**

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**The Indian.**

Let us for a few moments, dear reader, go back in spirit, on the tide of time, and contemplate America in her original state. America, with her blooming prairies, her trackless forests, her roaring cataracts, her mighty rivers, her beautiful and extensive lakes—and her roaming, innocent inhabitant the Indian,—now presents to us a scene unequalled in grandeur and sublimity by any other part of the habitable globe. Here we see nature in her most perfect state; her glorious works enjoyed by the sole possessor of the soil, the Indian, who roamed undisturbed over the country, engaged in his innocent employment—hunting. In this state America existed when the white man set his foot upon her shores.

Strange and important are the changes which the white man has produced in America. With a feigned smile of love and protection upon his deceitful countenance, he approaches the un instructed Indian, while, at the same time, he is dishonestly depriving him of his territory. By deception and fraud the white man has succeeded in driving the Indian beyond the waters of the Mississippi; and, judging from the past, we may justly conclude that before many years roll by, he will have driven him to the very borders of the Pacific. Although we should rejoice over the rapid and irresistible march of civilization, still we should mourn over the extermination of the poor unenlightened Indian, who once possessed in peace and happiness the beautiful prairies of America, which the white man now cultivates.

Although I am not myself a politician, still I cannot refrain from expressing an idea, that suggests itself at this moment, and which has a connection with the subject upon which I am writing, it is this: our Representatives in Congress have been, for the last year, endeavoring to exterminate the negro servant above the white man, while they have been during the same time doing all in their power to exterminate the poor Indian. Oh! how can human beings become so corrupt as to extend over the Indian, whom they have deceived, the hand of extermination, while at the same time they are extending to a being who is evidently inferior to the Indian the hand of love and protection!

The poor untutored savage may now lay aside his tomahawk, his bows, his arrows and his spears, and building a barge, as is his custom, on important occasions, chant with all the solemnity which the occasion demands, his last war-song. Peace and happiness are no longer his. The soil over which he roamed in his savage innocence is now being cultivated,—the plow turning to the sun the decayed bones of his ancestors.

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**Derivations.**

As derivations are becoming fashionable in the **Scholastic Year**, we mildly suggest the following:

The sine in Trigonometry is so called, because it is a *sine qua non*.

Cosine is a corruption of *Cousin*—from the relationship it bears to the sine.

The word "swamp" is derived *ex sua amplitudine*, on account of the great size of the cedar swamps when America was first discovered. The long termination fell off in the course of time like the tail of a tadpole, and *sudamp* became *swamp* by apocope and crasis.

The word "marsh," however, is derived from the French, *parcequ'on ne peut pas y marcher*. This is like the Latin *lucus*, *à non lucendo*.

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**PANGLOSS.**

The quarterly Bulletins will be sent to the parents during the course of next week, and the Certificates of good Conduct and Improvement in Class will be issued to the students during the same week.

The Honorable mentions for the next number will be made in the Classes of Moral Philosophy, Logic, Rhetoric, Composition, Grammar, Orthography and Penmanship.


**Improvements at Notre Dame.**

With pleasure we notice the vast improvement which is effecting in the grounds in front of the College. The garden, which was last week an almost indescribable figure, is now a beautiful semicircle. On Monday, Bro. Peter, with the assistance of Messrs. Eisenman and Winterbotham, who are both members of the Scientific Department, laid out with mathematical precision avenues through the park. Visitors to Notre Dame, at the Annual Commencement,—which, by the way, is not far distant,—will be astonished to see the large field, where last year stood the Manual Labor School and several other old buildings, cleared off and converted into a beautiful park.

**The Examination.**

With feelings of joy and pleasure we bid adieu to grim old Winter and welcome the return of Spring. Spring has come at last, bringing with it as usual its green mantle and blooming flowers, its base-ball matches, and last, though not least in importance,—it brings to the students of Notre Dame the Annual Examination. Yes, ere two short months roll by, this important event will have transpired, and many of the students of Notre Dame who are now busily engaged reviewing their labors of the preceding eight months, will then bid farewell to their "Alma Mater," and go into the busy world to reap the benefits of the education which they have acquired. Students who have spent their time unprofitably look forward to the Examination with feelings of fear and regret, while those who, knowing the value of time have studied diligently during the year, look forward to it with pleasure and assurance of success.

The blessing of the Big Bell seems to be definitely postponed to a year hence, when it shall form a part of the ceremonies which will be occasioned by the Twenty-Fifth Annual Commencement, or Silver Jubilee of the University of Notre Dame. We need not say that this great festival will even outshine the famous 81st of May, 1866.

**St. Cecilia Philomathean Literary Association.**

The twenty-sixth regular meeting of the above flourishing and excellent Association, was held Sunday evening, May 3d. Owing to the very limited space of time allowed for business, this report will necessarily be short. Before the usual preliminaries, two excellent essays were read by members for admission. Masters P. O'Connell and F. Kaiser; the latter on "Patriotism," the former wrote on "Hardship and Pleasures of a Student." After hearing them, the society unanimously voted them in.

The Monitor, Master R. H. McCarthy, having resigned his office, Master H. B. Moody was appointed to fill his place, and Master F. Ingersoll was appointed Assistant Director of Reading. After these and other appointments, an essay on "Alexander the Great" was read by Master D. J. Wile. Master A. Wetherbee followed in a well-delivered comic-speech, "Pleading Extraordinary." Both were well received by the Society;—the meeting then adjourned.

At the preceding meeting, Master J. Wilson read a splendid essay on "Education and its Accomplishments;" Master M. Foote, also, read one on "Death." At the same meeting a vice-president of the Dramatic Department, Master A. Murphy, and a Seargent-at-arms, Master J. J. Raggio, were elected.

**Prof. Von Weller's Last Painting.**

We do not go into the parlor very often, and therefore we hope our readers will excuse us for not having mentioned before a recent great addition to its objects of interest. We allude to the "Crucifixion" lately painted by our resident artist, Prof. Carl A. B. Von Weller. We are not skilled enough in the terms of art criticism to attempt anything like a description of this sublime picture; we can do nothing but gaze and admire, and we advise our readers to go and do the same. It is not, like many of the fine religious pictures the college possesses, a mere copy. It is an original composition, and bears witness to the correctness and elevation of the composer's taste, judgment and feeling. The light in which it hangs at present is not favorable to its merits by daytime; but as it was painted particularly to be seen by candle or by lamp light, our friends may obtain a good view of it, by visiting the parlor when it is lighted up in the evening.
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Additional Students at Notre Dame.

MAY 4TH.
Samuel S. Granger, Chicago, Illinois.

Honorable Mention.


GERMAN.


FRENCH.

1st Class, (Sr.) : D. Wile, W. Waldo, F. Clerget, H. Beakley, M. Mahoney.
2d Class : J. Campbell, J. Rogers, R. McCarthy.

MUSIC.

Flute, (Jr.) : Perry Weaver, A. M. Owen.
Guitar, (Jr.) : G. Dodge.
Piano (Minims) : W. Trussell, D. Cooney.

Spring.

The sweet name of Spring once more vibrates to our ears and awakens fond hopes of a pleasant future in the heart of every man. The very name of Spring possesses charms, while all around you presents a pleasing aspect. A few days ago, nature seemed to repose, wrapped up in silence in a death-like shroud, and scarce was there a being to greet you on the highways. The fields lay desolate, the forests bleak and shattered, stripped of all verdure by the cold piercing breeze of winter.

Behold, how, the pleasing change! As the earth revolves in her annual course, how plain she marks the rolling time. What artist can follow her course to paint her varied colors? Who can picture her immaculate shroud, or encircle her brow with laurels ever green? That Hand alone — that rules the skies, to whom all nature in concert turns, and sun and moon and earth and stars obey.

To admire nature's changes, look anywhere around you, for there lies, mouldering, the foliage that once decked the landscape and filled the air with precious odor. How much the seasons re-
The word Skedaddle having been ushered into existence in the effervescence of the moment, in a hurried way, and to serve a special purpose, lacked the vitality necessary to secure for itself a firm and enduring foot-hold in the great repertory of the English vocabulary. Hence it is that after an immoderate use made of it during three or four years, it is now well-nigh dead—dead of sheer exhaustion! It is really to be regretted that such a fine euphonious word (bless the man who first tried to introduce it into the language: "he deserves well of his country!") should be allowed to escape naturalization, and return to the language of its origin. At least, we owe it a few brief parting words; for many a time, it served to convey much merriment over the feats of the discomfited... Skedaddlers! Then, before Skedaddle skedaddles forever into the land of the Hellenes, let us attempt to draw its true lineage, rehabilitate its not dishonorable name, and relate its advent on American soil in its quaint English dress.

If memory serves right, the word Skedaddle was first uttered in the land of the sunny South by some ungracious barbarian, a true descendant of the redoubtable Trojans of old, who, in about the year 1861, witnessing a Bull (whether that Bull belongs to the class of animals known in Natural History by the name of Bos Taurus, or to a totally different class; we cannot well determine) Run-ning through the camp of an affrighted and panic struck enemy, cried out in a tone of frenzy: "They skedaddle! they skedaddle!" They who? they what?... No one there present who heard the exclamation could make out what the Trojan meant, not being acquainted with the Messrs. Xenophon, Thucydides & Co. Yet they all plainly saw what terrible havoc the Bull had done in his magnificent Run. The fact is that the Barbarian was so agreeably struck by the strange scene before him that he could find no word in the English language forcible enough to express his feelings. From that memorable day, the word Skedaddle received, by universal consent, the right of citizenship.

But—extra jocum—what is the etymology of Skedaddle? It is derived from the Greek verb Skedazo, also Skedannuo—mi, to scatter, to disperse, in speaking of a routed army, (cf. Thucydides, cap. iv, 56, 113, et al., Didot's ed.; also Anacreon, iv, ult, Lipsie ed.) But the word plainly conveys the idea—when more fully analysed—that the scattering or dispersing of the enemy is made without disorder and without haste. By Skedaddle is therefore to be understood a dignified and well-covered retreat and not a precipitate flight, which latter sense seems to have been the meaning that people in general have given to it.

A disgraceful and precipitate flight would be expressed in Greek by he phuge, or he trope: "Phegousin ana kratos," they fly with all their strength." [Xenophon]. (See also Cyropedia, Lib. iii cap. iii v 63, Owen's Ed.)

The Greek expression "Epi skelos anachorein," signifies the same thing as the Latin "re­ferre pedem" or "pedestrem," to retire leisurely—step by step—the face against the enemy (Xenophon's Anabasis, Lib. v, cap. iv, Didot's ed. Also in Aristophaenes, 388), and expresses the very same idea as "Epi poxa anachorein," (in
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some editions ANAGEN, to retreat without turning around, i.e. going backwards. (Xenophon's Cyrop. Lib. iii, cap. iii, v. 69, Owen's ed.) "Tyro."

The Dying Words of Great Men.

1st. "Thou, Solomon, my son, know thou the God of thy father; I served him with a perfect heart and with a willing mind: for the Lord searcheth all hearts. If thou seek Him, He will be fond of thee; but if thou forsake Him, He will cast thee off forever."—King David.

2d. "Adieu, dear children! may your lives be happy! Carry my last reminiscence to your mother. And you, my faithful friends, those absent as well as those present, receive this, my last farewell! May you live in peace!"—Cyrus.

3d. The kings reject my maxims. Since I am no longer useful on the earth I ought not to regret leaving it."—Confucius.

4th. "What are you doing? I wonder at you. Oh! what has become of your virtue? was it not the fear of falling into these weaknesses that I sent away the women? I have always heard that we ought to die peaceably and blessing the gods. Be at ease, I beg of you, and show more firmness and resolution."—Socrates.

5th. "Lord, lay not this sin to their charge!"—St. Stephen.

6th. "I am now ready to be offered, and the time of my departure is at hand. I have fought a good fight. I finished my course. I have kept the faith. Henceforth there is laid up for me a crown of righteousness."—St. Paul.

7th. "Now, indeed, I begin to be a disciple; I weigh neither visible nor invisible things in comparison of an interest in Jesus Christ."—St. Ignatius.

8th. "O God, the Father of Thy beloved Son, Jesus Christ, by whom I have received the knowledge of Thyself; O God of angels and powers, of every creature, and of all the just who live in Thy presence, I thank Thee, that Thou hast graciously vouchsafed, this day and this hour, to allot me a portion amongst the number of martyrs. O, Lord, receive me, and make me a companion of the saints in resurrection, through the merits of our great High Priest, the Lord Jesus Christ, I praise and adore Thee, through Thy beloved Son, to whom, with Thee and Thy Holy Spirit, be all honor and glory both now and forever. Amen."—St. Polycarp.

9th. "If my Maker please, who formed me out of nothing, I am willing to leave the world and go to Him—my soul desires to see Christ, my King, in His beauty,—Glory to the Father, to the Son and to the Holy Spirit."—Venerable Bede.

10th. "Oh Gabriel! How much better would it have been for thee, and how much more would it have promoted thy soul's welfare, if thou hadst never been raised to the pontificate, but been contented to lead a quiet and religious life in thy monastery."—Pope Eugenius.

11th. "May God never forsake me!"—Pascal.

12th. "And must I then die? Will not my riches save me? I could purchase the kingdom, if that would prolong my life: Alas! there is no bribe for death. When my nephew, the Duke of Bedford, died, I thought my happiness and my authority greatly increased: but the Duke of Gloucester's death raised me in fancy to the level and birth of kings: and I thought of nothing but accumulating still greater wealth, to enable me, at length, to purchase the triple crown. Alas! how are my hopes disappointed! wherefore, oh, my friends! let me earnestly beseech you to pray for me, and recommend my departing soul to God."—Cardinal Beaufort.

13th. "I had provided, in the course of life, for everything, except death; and now, alas! I am to die although entirely unprepared."—Cesare Borgia.

14th. "Had I but served my God as diligently as I have served the king, He would not have given me over in my gray hairs. But this is the just reward that I must receive for my incessant pains and study, not regarding my service to God, but only to my prince."—Cardinal Wolsey.

15th. "I have lived to see five sovereigns, and have been privy-counselor to four of them. I have seen the most remarkable things in foreign parts, and have been present at most state transactions for the last thirty years: and I have learned from the experience of so many years, that seriousness is the greatest wisdom, temperance the best physic, and a good conscience the best estate. If I were to live again, I would change the court for a cloister, my privy-counsellor's bustle for a hermit's retirement, and the whole life I have lived in the palace, for an hour's enjoyment of God in the chapel. All things now forsake me, except my God, my duty and my prayers."—Sir John Mason.

[TO BE CONTINUED.]

ARTEMUS WARD said that the man who wrote "I'm saddest when I sing," was a fool to sing much.
THE OPENING OF MAY.

This brightest month of the fairest season in the year, was opened on Thursday evening at St. Mary's by a procession to the shrine of Our Lady of Peace. Starting from the Chapel of Loretto and singing the Litany of the Blessed Virgin, it marched until in front of the statue above mentioned, when the "Regina Coeli Letare" was sung, and the candles borne by those in the procession were lighted. This was just as the drapery of twilight had fallen over the landscape, and the picture presented was indescribably lovely. The glancing of banners, the sparkling of lights, the pure white veils of the Novices, the Children of Mary, and the Children of the Holy Angels, gleaming in the changing aspect of the procession as it wound through the grape arbor and before the illuminated shrines, was none the less charming because that it was the repetition of what has happened so many times before, and what was then occurring the world over, in honor of Mary, the peerless type of all that is gracious and noble, all that is lovable and true in woman.

Returned from the procession, the members of the Convent and the Academy gathered in the Chapel of St. Michael, where the Blessed Virgin's altar, tastefully arranged above the main altar, seemed to unite its mute eloquence with that of their harmonious hymns. A most appropriate and interesting instruction was then given by Very Rev. Father Provincial, followed by the Benediction of the Blessed Sacrament, and the Month of May was duly inaugurated.

FESTIVAL OF THE INVENTION OF THE HOLY CROSS.

Sunday, May 3d, being the commemorative of the Finding of the Holy Cross by St. Helena, mother of Constantine the Great, Very Rev. Father Provincial gave a most lucid and persuasive sermon on the claims of the Holy Cross to our homage. Then followed the impressive ceremony of venerating the Cross.

SUNDAY EVENING.

The compositions read in the Study-Hall on Sunday evening were one from the First Senior Class, "It must be True," by Miss K. Livingston, and another from the Graduating Class, "Why stand ye here all the day idle?" by Miss M. Tripp.