Formal Review.

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CALIFORNIA, PA., DECEMBER, 1888.

50c. a Year.

Entered as second-class matter.

Winter term opens Dec. 31. Spring term opens March 25.

FAYETTE COUNTY INSTITUTE WILL begin Dec. 17.

THE Byron King entertainment, in Normal chapel, Nov. 27, was a success every way.

One accession to the Senior class is expected next term, and quite a number to the Junior class.

Miss Lou Camp, a junior of '88, is teaching in Somerset township, Washington county. She has a pleasant school and enjoys her work.

Miss Ada Gunn, '88, is teaching near Buena Vista, Allegheny county, Pa.

The address of Mrs. Anna Fait (nee Pflasterer), class of '83, is Anadarko, Indian Territory. hopes to visit Pennsylvania friends next spring.

MISS CLARA B. WORCESTER, '85, is teaching in the 23d ward, Pittsburgh. She has a pleasant primary room and is happy in her work.

Mr. W. S. Heath, a former student, from West Elizabeth, Pa., was married Sept. 25, to Miss Beckie Guthrie.

With characteristic enterprise the California Normal has secured the services of three of the ablest educators, for a week's special instruction next spring term—Col. F. W. Parker, Dr. Edward Brooks, and Dr. X. Z. Snyder.

The teachers in Lower Tyrone township, Fayette county, know how to conduct a successful institute. Seven of the eight teachers are California students. A very interesting institute was held Oct. 20, one of the leading features being a class drill in arithmetic by Mr. W. D. McGinnis.

Mr. A. N. Strickler, a student of last term is teaching near Layton's, Pa.

Mr. A. S. Flanagan, '87, is engaged in teaching at Clarion, Iowa. All Normal students who go west ask that The Review be made to follow them. The farther away they are the more they value it.

Prof. E. L. Raub, formerly a member of the Normal faculty, is winning laurels in his educational Edgerly School, Somerville, Mass. Prof. Raub has decided abilities as an instructor, and is a worker.

LETTER from Miss Lucy E. Beard, class of 1883:

Scotland, Dak., Nov. 9, '88. My Dear Friends:—THE NOR-MAL Review has many readers, but none, I am sure, who appreciate its pages more than this school-ma'am in the "land of the Dacotahs."

It is one of the choicest messages the western breezes bear to meladen with breezy facts and exhilarating truths. Although I have never called on my alma mater since graduation—five years ago last June-my good wishes have always been with her and the friends who still maintain her good

The eleventh day of last September found me started on my long journey-a veritable "leap in the dark "-it seemed, as I realized the boundless magnitude of the rolling prairies. The route from Vermont is very direct, so after traveling constantly for three days and nights I reached Scotland, where I was much refreshed by the kindly welcome of the principal and trustees.

Scotland is a promising, wide-awake town of 1,500 inhabitants, situated thirty miles northwest of Yankton, in the finest section of the territory. (Via, I never felt the meaning of that word, territory, till the last election, when the truth was forced upon me that I was no States.) Our academy is very

pleasantly located in the northern part of town, and has just entered upon its third year.

One is not burdened here with the question: "What trade did your grandfather follow?" Every one has just come, and is willing to recognize the rest as fellow arrivals.

The autumn has been especially work. He is now principal of the salubrious, with the exception of a few days when the wind

> "Came as quarrels sometimes do When married folks get clashing; There was a heavy sigh or two Before the fire was flashing. Very cordially,

> > LUCY EVA BEARD.

Miss Mary Pratt, '84, is teaching her third term in Jewell City, Kansas. She receives a salary of \$55 per month.

First literature lesson in Model School. Teacher -- "Now I am thinking of a great American poet, still living. His first name is John. He wrote 'Snow Bound,' and other beautiful poems. Who can tell me his last name." Boy in B class— "Sullivan."

THE Library now contains a complete set of the "Famous Women" series—19 volumes in all.

The California Normal seeks to follow neither the new education nor the old education, but a common-sense education both new and old, an education that educates. We believe in that teaching which aims at development rather than accumulation, which measures progress by increase of mental power, not by the pages of a text book.

REMEMBER, teacher, that the lower the motive you appeal to in your pupils, the lower will be the type of character that will result; the higher the motive the higher the character.

MR. AND MRS. GRANT DANLEY will move to California in the longer a citizen of the United spring. Mr. D. is now principal of the Claysville schools.

Teaching Physiology.

If Dr. Hammond's statement be correct, that many school children of the present day are oppressed mentally and physically by too many and too hard studies, it is imperative that parents, teachers, and even pupils, should know what work the child's brain and body can and ought to bear. But this statement of Dr. Hammond will cause the introduction of the studies of physiology and hygiene to be objected to by some, on the ground that any additional studies will weigh too heavily upon the children. This objection is a valid one if the prescribed lessons are to be merely memorized by pupils, and if the children are to be rigorously marked for not remembering. Improperly taught, as these subjects too frequently are, they become distasteful to the pupil, discouraging to the teacher, and are calculated to do more harm than good. Properly taught, they will not be merely additional studies for the pupil to grind out with tears and labor and vexation of spirit, but will be welcomed because they lighten the work imposed by the routine of school life.

Until very recently, in order to obey the precept, "Know thyself," the teaching has been almost altogether anatomical, dry descriptions of the position, shape and use of bones, muscles, and the various tissues of the body. Unfortunately, much of this sort of teaching still prevails, even for young children, and some of the books in use foster such teaching. Fortunately, many of the books devote more space to physiology than to anatomy, but a few only give much attention to hygiene, which is the most practical of three studies. but its study should be associated with that of the other two.

Dr. Smith says: "The pupil learns that muscles are not bones, that the liver is a gland, and that the heart is a muscular organ, that the food in some way or other is turned into blood. Beyond this there lies a nebulous mass of learned names, barbarously pronounced and ignorantly applied, which the first contact with the world dissipates, as a summer sun does the mist of the morning. * * The text books * * * * are mere table books and catalogues of names, or else their familiar style is so gelatinous that the student is unconscious of swallowing anything. One author treats the subject from a chemical standpoint, another from an anatomical standpoint, while the third combines the two with an unprofitable result."

We may judge somewhat of how a study is in general taught by the oral or written answers given by a number of papils, in various schools, in reply to questions upon the study. About a year ago there appeared in the London Architect the following: "If instruction in sanitary matters is to be continued in schools, it will be necessary to supplement the lessons with visits to some such place as the Parkes museum of hygiene, unless the school boards are satisfied if the children get hold of a lot of hard words, or rather of sounds resembling them. At present it is supposed that sanitary science may be taught as easily as morality, by listening to a teacher read from a book. The children fail to catch the words, or they attach no meaning to them. Here, for example, are verbatim copies of the exercises in one of the Greenwich schools.

" 'Infections are brought on by bad smells, such as small-pox, measles, scarlet fever, glass-pox, s. c., they are brought on by bad drainerges suers; they must be well ventalated. Infection disease are caught by touching such as charcoal, chloride of lime, etc. Measles, feaver are called disinfectionous because they are catching .-- Fainted. If a person as fainted, take her out in the open air lay her down with her head. And do the clothing round her neck and dashed cold water the face and hand and put smelling salts t her nose. Degestion is paines in the head. paines in the stom-ach, bad tempers. From degestion comes consumption, information, head-ache, neuralgia."

"These exercises may be thought amusing, but it should be borne in mind that every word represents more or less pain to some unhappy child, in endeavoring to recall ponderous words which were without meaning. Education in sanitary matters is desirable. but, as it is conducted at present in public schools, it must injure children's minds by habituating them to the use of words which they cannot understand,"

In the English official reports we read, that "an examination of girls in board schools for prizes offered by the National Health Society revealed some curious items of information. One reply to 'Mention any occupation considered injurious to health,' was 'Occupations which are injurious are carbolic | swers, we add the following, taken by acid gas, which is impure blood.' An- the writer from the note books of pu-

other pupil said, 'A stone mason's work is injurious, because when he is chipping he breathes in all the chips, and then they are taken into the lungs." A third says, 'A bootmaker's trade is very injurious, because the bootmakers press the boots against the thorax; and therefore it presses the thorax in, and it touches the heart; and if they do not die they are cripples for life.' With a beautiful decisiveness, one girl declares that 'all mechanical work is injurious to health.' A reply to a question about digestion runs, 'We should never eat fat because the food does not digest.' Another states that 'when food is swallowed it passes through the windpipe:' and that 'the chyle flows up the middle of the backbone and reaches the heart, where it meets the oxygen and is purified.' Another says, 'The work of the heart is to repair the different organs in about half a minure.' One little physiologist replies: 'We have an upper and a lower skin; the lower skin moves at its will, and the upper skin moves when we do.' One child enumerates the organs of digestion as 'stomach utensils, liver, and spleen.'"

In the clever little book compiled by Miss Le Row, entitled "English as She is Taught," appear the following genuine answers by pupils in reply to questions upon physiology and hygiene. Presumably most of these answers are from American pupils in American schools:

"Physillogigy is to study about your bones, stummick, and vertebry." "When you have an illness it makes your health bad as well as having a disease." "The body is mostly composed of water and about one-half is avaricious tissue." "The body has an infinite number of bones joined together by joints." "The spinal column is made of bones running all over the body." "Digestion belongs to the lower animals," "Digestion is the circulation of blood." "Digestion is reducing our food to plump." "Digestion is when food is taken into the stomach." "The gastric juice keeps the bones from creaking." "The eyes are set in two sockets in a bone which turns up at the end and then becomes the nose." "The three coverings of the brain are the diameter, the perimeter and the trachea." "The growth of a tooth begins in the back of the mouth and extends to the stomach."

As an additional contribution to an-

pils of one of the high schools of this country:

"Anatomy is dissecting of bodies generally lifeless." "Anatomy is study of parts of the body, physiology study of action of parts, hygiene is application of these parts." (Italics are ours.) "Kinds of bathing adapted to the age, quantity, quality and health of the person." "Supernator are the muscles of the back." "The hygiene of a muscle should have proper rest and exercise." " Hygiene is the study of the time and manner of the action of the muscles and large blood vessels." "The mouth is the commencement of the alimentary canal, and it extends through the throat, esophagus into the stomach." "The extent of the mouth helps the digestion of food." "Nervous system a decided part of the body." "A young person who goes to parties and has great excitement has generally some brain trouble, such as St. Vitus dance." " It is far more reliable to drive out the fire of a room and put on extra clothing than sit in front of a burning fire." "Soap is important in carrying off the fat of the body." "What is eaten by the body has sometimes been taken as food." "The third cavity is the pelvis, which contain the vital organs." "In a diet of twenty-four hours a man should eat some of all the nutritious articles." "The first step in digestion is mastication and insalivation. Second, the muscles of the gullet." "A person is in fair health when he has the affinity to accommodate himself to change of climate and the ability to endure." "Respiration is the exchange of carbolic acid for oxygen." The substitution of carbolic for carbonic acid is frequently met with. "The times for bathing depend on the age of, location of and heat of the individual."

The bad spelling so frequently found in these note books shows, of course, ignorance or carelessness, either being reprehensible. (Esophagus is spelled "esofergus," "ecophagus," "sasofagus," "esolpusgult," "sarcophagus," "desophagus." The pancreas is spoken of as "the pangueous," or "the pantheis;" the parotid or salivary glands as the "perodic," "the galviatory and savilary \bar{g} lands," "the spiratory glands." The cerebrum is "the big brain, or celebra;" the cerebellum, "the little advanced instruction, we should by brain, or sedula." Suture joints are "sucher" joints. Hygiene is "hygine," or "hygene." Adipose is "adicose;' sweat is "swett;" osseous is "oscious;" cancellous tissue is "tenselous;" thor- these words were uttered, and what do how disease tendencies can be over-

What are the remedial measures?

1. Encouraging the sale and use only of reliable text books written by physicians or sanitarians who have had experience as teachers. The mere compiler will magnify the importance of what may be considered by comparison as the non-essentials, and will endeavor to perpetuate absurd and untruthful statements because they sound well.

2. Health boards, health societies and sanitary associations have instructed by this time a goodly body of physicians in sanitary matters. These men and women may well be called upon to outline hygienic teaching, if not to be practical teachers themselves. In addition to instruction in normal and model schools by such special teachers, there should be a sanitary supervision of schools. The physicians appointed to do this work should look after the ventilation, lighting and cleanliness of school buildings, the spread of contagious diseases, the condition of wardrobes and closets, the vaccination of school children, etc. In some cities the attempt is made to do this work through the health authorities, but it is unsatisfactory, as the physicians doing the work are, for the most part, political appointees, and not chosen for their knowledge of health matters. work should be done by sanitary officers of boards of education. With proper teaching and proper sanitary supervision of the schools, hygienic subjects would be real to the pupil, and the value of the hygienic knowledge would be so apparent that interest instead of apathy would be the rule. In 1873, at the annual meeting of the American Public Health Association, Presi-"First, as regards public schools, I would make provision for simple instruction in the elements of physiology and hygiene, either by the use of some short and plain text book, or, what is still better, by lectures from some competent resident physician. I confess that I greatly prefer the latter method. Not only theory, but experience, leads me to prefer it. Were it not that we have made a great mistake in our system of public instruction by severing our common-school instruction from our common schools abundantly able book." It is now seventeen years since of a healthy home and surroundings, acic duct is "carasse duck," and so on. we find in regard to the teaching of come, what "filth diseases" are and

physiology and hygiene? Just this that the number of physicians who teach in the schools is very small, that the average teacher of these subjects on duty has her teaching warped by her hobbies in regard to food, air, or some other hygienic measure, that she does not seem to be able to distinguish between essentials and non-essentials. and is carried away, it may be, by the dress or alcohol question. It has been found by experience that something else than the ability to lecture is necessary in order to get children to have correct ideas of the subject taught. The daily drill, the "line upon line and precept upon precept," the bringing of the pupil up to the level of the teacher by the teacher's coming down to the level of the pupil, are all necessary. It is probably because these were deficient that we are able to record the answers to questions in the earlier part of this article. It is not a question of how much such and such a child ought to comprehend, but how much does the child understand.

All honor to the teachers who do make the subjects they teach understood as well as interesting.

3. What to teach. The teaching should be reliable, interesting, practical, in order "to inculcate sound national views regarding the necessity of obedience to laws of health, to secure willing obedience to the enforcement of sanitary law, to correct social and personal habits which are constantly operating as causes of disease." If the evils of alcoholic drinks are to be portrayed, as they undoubtedly should be. let the teacher show the relation between intemperance, crime and immorality, and how intemperance results dent White, of Cornell University, said: | from imitation, habit, disease and poverty, rather than spend her time in endeavoring to detail the dire effects of alcohol upon every tissue of the body, and to picture upon the child's mind what a drunkard's stomach looks like, or how a hob-nail liver is. Let her not forget to teach about intemperance in eating, exercise, bathing, study, etc., and to have an eye upon the evil effects of opium and cocaine intemperance, which are not uncommon. Let her encourage self-control, mental, emotional. sexual, physical. Have her dwell on the advantages of "lend a hand" societhis time have a body of teachers in ties, rather than on prohibition measures. The teacher can show how "health to lecture to the pupils without a text- is wealth," what are the advantages

how they can be averted, how economical and nutritious food can be obtained and how prepared for eating. "In the personal habits of pupils, in the ventilating and heating of school buildings, in the location of wells, in the character of the out building, in the construction of school houses and laying out of the grounds, in a proper observance of the purity or impurity of the water supply, in the enforcement of laws for preventing the spread of contagious and infectious diseases, and in many other things, practical truths may be instilled into the minds of pupils, and impressions made that will never be effaced in after years." These are some of the subjects that should be taught: but in order to insure such teaching the teachers, especially in the primary grades, should have some definite plan and instruction given them by competent and practical physicians. Were this done there would be less overloading of pupils with technical and unnecessary anatomical knowledge.

4. How to teach. Now that the study of psychology is fashionable, we may hope, perhaps, for a better knowledge on the part of teachers of what is and is not necessary for healthy mental activity and development, what are rational methods of teaching; but as child can be taught by practical methods and appliances about the admission of light and air to a room, simple tests for the purity of water, about filters, what soils obstruct drainage, why sewerage and drainage are necessary, what to do in accidents and emergencies, etc. The desire of the average child to observe and ask questions can be turned to good account instead of being stifled by rigid routine work. The energy born of observation and the intelligent application of what is learned by observing is healthful. As Herbert Spencer puts it, "Success in the world depends on energy rather than on information, and a policy which in cramming undermines energy, is self defeating."

If the teaching of physiology and hygiene is to be of service in strengthening the growth and development of individuals and communities, it is a matter of moment that these studies Teacher," in Popular Science Monthly.

Memory.

Memory may be defined as the aggregate of mental impressions possessed by an individual, together with the power of recalling them. The extent and quality of these impressions, and the power of reproducing them, differ greatly in different persons, and in the same membering the character of those person, at different periods of life | they have visited. Persons thus "In some persons," says Locke, "the mind retains the characters by the contents of a passage in a drawn on it like marble, in others | book they have read, remember exlike freestone, and in others little actly the part of the page in which better than sand." The causes of this difference are numerous. The most potent of these is, undoubtedly, original endowment. Different races of men are pre-eminently distinguished from each other by differences in respect to their cerebral organization, and, therefore, mental to the power of perceiving them capacity-comprising, of course, and signalizing their differences. the faculty of memory. But indi-Similarly, he who possesses the viduals of one and the same race musical faculty in an eminent dediffer in these respects widely from gree possesses in a like degree the each other; children of one family power of learning and remembering inherit from their parents aborigi- the pieces of music to which his nal mental endowments far superior attention is directed. A striking to those inherited by the children proof of the distinctively individof another family; and, hence, for ualized character of our various faclong as text books are ground out in the battle of life, individuals are ulties and memories is presented in questions and answers, just so long will variously equipped from the time | the often observed fact that the permemorizing be the rule for pupils, and of birth. The most perfect original ception of musical sounds and the the encouragement of observation and impressions are, as a general rule, originality be the exception. Yet the those produced in the minds of alike essential in the mental constichildren, and so far as that part of tution of a good musician, differ mental culture—the devolopment of good memory—is concerned, our aim should be to maintain in manis not one memory only, but many memories, in each mind; and one kind of memory is pre-eminently developed in one person, and another in another. "Memory," says Ribot, "may be resolved into memories, just as the life of an organism elements which compose it." Referfaculties, we need only mention a should be properly imparted.—"A dividuality" receive peculiarly dis- fanti, who is said to have known

and, therefore, of persons; hence they immediately recognize them on seeing them again, and easily picture them to themselves from memory. Persons abundantly endowed with the organ of "locality" exhibit an astonishing power of finding their way in regions previously unknown to them, and of reendowed, when strongly impressed the passage occurs, and whether the page itself be a left-hand or a righthand page. The number of degrees of capacity of perception and recollection of colors is scarcely less remarkable—the power of recollection of them being always proportionate perception of time, though both greatly in their relative strength in different individuals—so that while one may be a skillful musician he hood and womanhood that perfect | may be an indifferent timeist, and impressionability of the brain which | vice versa. In the former case the exists in healthy childhood. There orderly succession of notes of a musical passage is easily remembered, but the time-intervals, which are a distinctive feature of it, are remembered less easily; whereas in the latter case the memory of time is stronger than is that of tune. Equally notable is the fact that persons who may be resolved into the lives of the are especially able as calculators organs, the tissues, the anatomical recollect numbers with peculiar Moreover, persons estacility. ing exclusively to the perceptive pecially gifted with the faculty of language have a proportionfew thoroughly recognized facts in ate facility of recalling words, and proof of this statement. Persons of quoting from memory long pashaving a strongly-developed organ sages which they have previously of what the phrenologists call "in- heard or read: "Cardinal Mezzotinctimpressions of external objects, more than a hundred different languages, used to declare that he never forgot a word that he had once learnt."— Westminster Review.

"Shooting Stars."

This is one season for shooting stars, and bright-eyed observers will not have to gaze long in the southwest heavens on any right clear star-light night without being more of these celestial visitors. They are only the regular annual and meteors, however. It seems very heavens only confusion and menaces of destruction. strange sights by every nation to remote antiquity. Our own genof death, but more intelligent in by no means solved the whole probhowever, is known to make it evifamiliar earthly matters. They | are not stars at all, but only drifting masses of matter, generally minute in size, but circulating in space with much of the regularity of the great globes we call planets. The same wonderful law of gravitation urges them on in their usual course about the sun as influences of the planets and the earth. The same force that suspends the massive planet Jupiter, hundreds of times the size of the earth, supports with equal certainty every little fragment of a world, and carries it

blazes for a few moments and disappears forever, or occasionally its fused mass falls to the earth and buries itself in the soil. The question whence these fragments come is a most interesting one, but one which has only been partly answered. In composition, judging from the few which reach the earth's gratified with the view of one or surface, they do not differ from some constituents of our own globe, suggests itself that they may be quently, not so much was known singular at first sight that even such | the debris of a world destroyed by | erratic bodies as shooting-stars some mighty cataclysm in ages should bow to the law of periodicity past. The evidence, however, does which rules the heavens and the not favor this view. If the posiearth. The older people failed to tion and direction of periodic observe this regularity, but saw in meteors are carefully mapped they the apparent convulsion of the will be seen to radiate in a general way from some central point in the port of his position ("Origin of heavens, and from their general Civilization," pp. 404, 405): "In Fanciful heavens, and from their general legends of warring and threatening course astronomers have been able gods have been twined about such to determine, approximately, the course they were pursuing when they came in contact with the earth's eration is not free from the super- atmosphere. Mention was made stition that a falling star is a sign a few days ago of the lost comet altogether opposed to the preconcalled Biela's, which, after appearing ceived ideas with which I comformation has shown that they are regularly for several periods, broke menced the study of savage life, mere physical phenomena, subject into fragments and then disappearto the forces and obeying the same ed. On the date at which the comlaws as those we are familiar with et should have reappeared, and raon the earth. Astronomers have diating from the point of the from the observations of travelers heavens which it should have oclem of these curious bodies. Enough capied, a shower of meteors was the savage conscience often holds observed, and since that date this as worthy of respect the expression dent that they are material bodies, has been repeated. This points in no wise different from some strongly to the theory that the meteors are a portion of the debris of the comet, and since the August meteor showers correspond somewhat closely with the track of another comet there seems a reasonable probability that annually we plunge into the very substance of a comet's tail, which is believed to be composed of just such disconnected fragments of matter.—Philadelphia Ledger.

The Human Conscience.

Whether or no man's conscience in the same general course about inclines him to the right—that is to the sun. It is only when that say, to that which biblical and civil course is interrupted by too close laws concede to be just, is an interproximity to the earth's atmosphere esting ethical question, and one on that we gain a knowledge of its ex- both sides of which much may be istence. Then the violence of the said. It is a frequent confession of inches.

collision heats the little meteorite the great Kant that the conscience to an intense degree. It glows and of man and the stars of heaven above all else excite awe within him, inferring, as he does, that the human conscience tends naturally toward the good—i. e., what has been found to be, or at least, appears to be, the best for society in general. Mr. Herbert Spencer, in a recent paper, takes issue with Kant in this. He says that in Kant's day there were not so many books of travel as now, not so many expert the thought immediately investigators abroad, and, conseof savage tribes or half-civilized peoples, but that now the conscience of man, as inductively known, has none of that universality of presence and unity of nature which Kant's sayings tacitly assumes. He quotes Sir John Lubbock in supfact, I believe that the lower races of men may be said to be deficient in the idea of right. * * That there should be any races of men so deficient in moral feeling was and I have arrived at the conviction by slow degrees, and even with reluctance." Mr. Spencer first quotes of known reliability to show that of those qualities which those of the higher civilization are taught to abhor. Then he shows that the savage is sometimes found practicing all the virtues; and again, that so-called Christian peoples often thirst for blood, the stronger robbing the weak, the rich grinding the faces of the poor. In other words, he holds that the conscience is neither wholly good nor wholly bad, tending neither the one way nor the other, but adapting itself to circumstances and conditions. Kant believed the stellar universe to be evolved, and, from the meager evidence before him, attributed to the human conscience the same origin and the possession of a real nature. —Scientific American.

A span is ten and seven-eighths

Literary Immortality.

morbid vein of sentiment, but it is much being gained, they acquired equally obvious that fashion has a new title to attention, for thereis not so obvious is why sterling of an extinct civilization. If in merit, or even great merit, should the present day they are so interestclassics, rising above the fluctuahappen again? Indeed, in modern wholly different. France, England and Germany pared to the classics of Greece and not refer to supreme authors, abundance of new books we may Rome. This is why it seems not whether ancient or modern. Liter-extravagant for a writer of the ary immortality of that sort must be ute of Limitations, by which only

present day to look forward to a considered by itself. It is when less commonly but a short term. What after they appeared as monuments have the power of making a liter- ing to students, this is partly beary work immortal. For may not cause of the vast amount of history

similar immortality, and to flatter exceptional authors are proclaimed, It is a commonplace of literature himself with the hope that he, too, or proclaim themselves immortal that the truly successful writer is he will be read two thousand years that I have my misgivings, when the he whose works live. "Popularity hence. Now, it we reflect a modinary man of letters, eminent by itself," so it runs, "is no test of ment we shall recognize that the perhaps in his generation, is demerit; the true test is lasting pop- analogy of Greece and Rome does scribed in obituary notices as having ularity. Works which are remem- not really hold. The posthumous produced "perhaps two or three bered when the authors have passed fortune of the classics has been works that are likely to live," or away, these are the works of ster- very special; it can not be expected when such a man, in reviewing his ling merit, and the great literary to befall the moderns. If they own career, says that "he is, indeed, works are those which are not for have maintained their ground, it conscious of many failures, but yet an age, but for all time." Now I has not been purely by merit, but feels a modest confidence that poscan readily understand that works by a series of very peculiar acci- terity will place him in the rank which are not really good will soon dents which are not likely to recur. which he feels he deserves." This pass into oblivion. We know that By the decay and confusion of Eu- is a view which is rendered tenable fashion may give a momentary rope the Latin classics were carried by the example of such ancientspopularity to an affected style or a over the first thousand years. So not as Homer or Virgil-but as Tibullus or Statius. It is because writers of no pre-eminent genius have lived two thousand years that at the present time the successful writer of a season flatters himself with the prospect of writing for posterity. We call Addison and the most striking truths become of all kinds which they hold in so- Johnson and Pope English classics. trite after a certain time by repeti- lation; it is not purely the result | Their works are said to live; yet tion? Goethe himself said that he of their literary excellence. Each can we consider these works as so knew not what he should have done generation has now its own writers, absolutely inimitable, unapproachif he had been born in England, if and what a multitude of writers! able? May not a modest man of he had grown up always aware of | We are abundantly supplied, so that | letters cherish the hope that, a hun-Shakespeare behind him, always we can occupy every vacant half dred years hence, his essays or aware that everything worthy to be hour with some book which we poems may have a rosition in Engsaid had been said already. But never saw before, and which is ex-lish literature as established as the will not this reflection, if we give way to it, carry us very far? If no writer can expect to live unless he have something which is and always will remain peculiar to himself, not to be found elsewhere, who can be safe? Can there be such a thing as literary immortality? Livy has lived two thousand years; why should not Macaulay also expect. should not Macaulay also expect were small, reading in which small proper to prose and poetry, to busito do so? We see a whole series of subjects are treated as if they were ness or conversation, or grave arguwriters in the great times of Athens great; and under all these heads an | ment and philosophy, lie in a conand Rome acquiring the rank of enormous over supply. Against fused heaps. This age must last till such an overwhelming competition masterpieces appear which may tions of fashion into a region of of new books it is difficult to im- serve as models in different styles. A stability, translated to a sort of sky agine how old books can bear up. modern writer might surpass Adof posthumous fame. We see that At least in no former age have can-dison in ease, or Johnson in gravity, no change of time affects them didates for a literary immortality or Pope in the brilliancy of his any longer. Why should not this been situated so disadvantageously. couplets, without winning a rank I do not here call in question the in literature at all similar to that of Europe we see a phenomenon not possibility that once or twice in a Addison, Johnson or Pope. What Modern Italy, century some author may appear do I conclude? Is it that for the so profoundly original that later future there will be no more literhave their classics, their series of times may cherish his works as in-consecrated writers, who are com-estimable and irreplaceable. I do almost fear that in the growing

a fixed period of twenty or thirty | tioned, and they are good. One | must judiciously, but resolutely, be length. I belive that other palms will yet be won, that writers will still arise who will be read for a hundred years; as to a thousand I had rather not speak. The conclusion I would draw is rather this: Let every one who writes aim as high as possible; let him write to his ideal, and by all means let him treat with contempt the passing opinion of the day. But I would not have him write for posterity, or will be forced to lighten the ship. And so I am led to think that real literary immortality is exceedingly rare.—Prof. J. R. Secley.

Young Barbarians.

These words have been used lately, and more than once, of the boys and girls growing up among us. There are many modest and polite children, of course, yet these unpleasant words do apply with terrible truthtulness to scores, if not hundreds, of the young people in our cities and large towns. They are flippant and impudent, sharp and unscrupulous, profane and addicted to vulgar slang, too often seasoned with indecency. They pay little respect to either the civil or moral law, and in their opinion a sin is not evil unless it be found out. They swarm in many streets after dark every night, not only rendering the public highways uncomfortable by their rudeness, but also learning and communicating lessons of gross evil, which are sure to bear fatal fruit. This state of things demands instant correction. The "hoodlum" element is a men-

moral administration of society." It he mean, as he doubtless does, that parents, and all others who be learned in childhood. have the care of children, too often | "young barbarians" can be civilexhibit the spirit of easy good na-|ized, although it is not an easy ture, rather than a wholesome firmness, he is right. Children need to be made to realize what duty is and that it must be done, more than many now are made. Another declares that our public schools ought to teach fewer useless branches, and flatter himself that some future pay more heed to inculcating good age will do him justice if his con- manners and morals, and many temporaries neglect him. It may will agree heartily with him. Anindeed prove so, but posterity is other urges that the prevalent evil likely to be very busy; I doubt is due largely to the fact that chilwhether it will find time for re-|dren are allowed to ramble freely|This fluid escapes at a uniform dressing any injustices that the after dark, and he certainly is right rate, and can be utilized to feed a present age may commit. Rather, in saying, "Keep them at home." I imagine, it will be so overburd. But lack of all, and more important tus the double character of clock ened with good literature that it than all such specific remedies, and lamp. there must be a genuine arousing lighted, the necessary diminution of public sentiment. At present of liquid takes place by combustion, many of the very people whose chil- at other times by carefully-regudren belong to the ungovernable lated dropping. class do not themselves think the matter one of serious importance. Perhaps they used to have the run of the streets when they were young, and escaped harm, or do not yet understand how much harm they received Perhaps they would rather that their children behaved better, but know that their own how much better he remembers lose all control over their boys and that he often remembers the posigirls. The number of parents is tion of a word on a page; will, perit is to be openly and impodently forms and faces; will find that he defied by their own offspring. In can easily read while talking is goany case, we all need to wake up to ing on; that he readily gets abcontinue to be discussed. Those review article; that he imagines alarm and of reform. Law can do slow reader); that he repeats aloud have direct charge of the young Young men and young women read; he observes harsh sound-comace to the safety of society. It has must be taught to be decent and binations in style (the "visionaire" been allowed to grow until it has orderly in behavior, to avoid friv. observes misprints); talking easily become a prolific source of crime, olity and vulgarity. Obedience to disturbs him when reading or writand it is not easy to control it. Va- parents and teachers must be in- ing, his attention being involuntarious remedies have been men-sisted upon. Family discipline rily drawn to the conversation.

years might be granted to the best | man says that there is "too much | revived where it has fallen into authors. But I do not go this | charity and mercy in the present | abeyance. Outward respect, at least, for the sabbath must be required. And these lessons must task, and it is high time that they were.

> A Curiously considerate invention has been produced by a Frenchman in the shape of a noiseless clock, for use more especially in sick-rooms. In place of the usual pendulum the hands are set in motion by the unrolling of a chain, the end of which is fastened to a buoy floating in a tank of liquid. lamp-wick, thus giving the appar-When the lamp is

It goes without saying that every one will probably have a hint (though often only a slight one) as to the sensory bent of his apperceptive processes, especially any one engaged in mental labor. If he is a "visionaire" he will have noted slackness long ago caused them to what he reads than what he hears; sadly large who have learned what haps, have a good memory for the fact that such parents, and all sorbe, when his eye is occupied; parents, must be toned up to do and so on in a hundred ways. The their duty. We are glad that the | "auditaire," will note that a lecture subject has come up again. Let it impresses him more deeply than a who are aware of the facts well the sounds of the words as he reads know that there is sore need of or writes (and is usually thus a something, but most of what is ne- | what he has written, to judge of its cessary must be done by those who effect—he wants to know how "it sounds" even when it is only to be

Review.

MOTTO-NON PALMA SINE PULVERE.

MARY VOGEL, Editor.

A CHANGE of schedule on our railroad gives us a fast express daily to and from Pittsburgh.

Dr. Noss has been engaged as instructor this fall in all four counties of our normal school district, and in Lawrence and Center counties besides. He has agreed to Hall and Hertzog, and Miss Singer spend a day or two at the Indiana have returned from Washington county institute, holiday week.

Clio, is now assistant principal at prove by hints received there. Mrs. Connellsville.

Mr. W. E. Miller, a last year student, is teaching an eightmonths' term near Elizabeth.

THE work in the Model School, since the institute, has been taken up with as much interest as was previously manifested. The Seniors welcome the "little ones" back.

MISS HANNAH STEPHENS, of the class of '88, and also a faithful Clio, is teaching in a primary room in Elizabeth, and her work is proving a success.

"In education the highest skill consists in knowing how to unite, by a wise temperament, a force that restrains children without repelling them, and a gentleness that wins without enervating them."

THE Seniors have for their next classic: "Are poets born, not made?" or "Chaucer and Spenser in the light of their environments." They have about agreed that they will have two Thanksgiving days next year, one after their classics are written, and the other in November.

Clio has shown such a marked improvement within the last two weeks that the ladies would be instified in saying, "We are the cause," as they now take an active part in debate, etc.

Mr. Rhoades, one of last year students, is teaching at Dawson, and is said to be doing good work. He has established a literary society there.

following officers were elected last week: Pres., Mr. Crow; V. P., Miss Allie Baker; Sec'y, Treas., Miss Campbell; Chorister, Miss Burke; Critic, Miss Duncan.

Dr. and Mrs. Noss, Professors county institute, and are taking up Mr. L. W. Lewellen, a staunch their regular work, hoping to im-Noss now feels convinced that the right plan is being pursued in the Model and all that is necessary is to have the work pushed forward.

> Miss Margaret Sheplar spent her Thanksgiving with Miss Lyde Warren, at East Elizabeth.

Darsie, Dague, Eichbaum, Goe, Goodman, Gilmore, Hank, Hugg, and Mr. Day have given their words which are thoroughly underchapel recitations.

Miss Anna B. Thomas, '80, is now a teacher at Braddock.

Mrs. Bryan, Librarian, paid a short visit home last week.

Miss Eva Hammitt, of McKeesport, paid Miss Anna Reed a visit during institute week.

Miss Ruff and Miss Ewing spent their Thanksgiving at Mis; Minnie Coursin's, McKeesport; Misses Josie and Lizzie Musgrave at Miss Viola Boyd's, near Fayette City; Misses Burke, Lessie and Rena Armstrong, at Miss Chester's home, near Bellevernon.

The exhibition work sent to the Washington county institute was very highly appreciated. A similar exhibit of Normal and Model work will be sent to the Somerset county institute, Dec. 31.

Mr. George Darsie, who is now a student of Bethany College, in West Virginia, spent Thanksgiving at his home in California, Pa.

Miss Roley, an old Clio, sends favorable reports of her school. She at Masontown, Pa., Nov. 30 and seems to realize that teaching is a | Dec. 1. An interesting and profitmore difficult task than studying. | able meeting was had.

CLIO will not have society till Dec. 7th.

Mr. E. H. Darsie is spending Miss Vogel; Attorney, Mr. Lewis; his Thanksgiving week at home. He finished a four year's course in mechanical engineering at the "Pittsburgh Locomotive Works" last January, being the first man who has gone entirely through their drawing room.

> Miss Lizzie Conway, formerly a teacher at Monongahela City, and once a welcome visitor at the Normal, writes from Germany, where she is studying, there is no country equal to the United States in its educational advantages for girls.

A young child's vocabulary is generally underrated by teachers. DURING the last month Misses An article appeared in the New arsie, Dague, Eichbaum, Goe, oodman, Gilmore, Hank, Hugg, consisting of a vocabulary of 257 stood and used by little Mary Noss, only $2\frac{1}{2}$ years old. Immediately after the appearance of the article Dr. Noss received from Supt. Greenwood, of Kansas City, several similar articles, and from Supt. Balliet, of Springfield, Mass., a letter expressing his pleasure that such a vocabulary had been compiled, and saying that he would have it printed for the use of his teachers. Primary teachers should get the exxact measure of a child's knowledge when he enters school, and build on that foundation.

> Touching the influence of heredity, Dr. O. W. Holmes says: "You can make anything you please of a boy if you commence with his great grandfather.

> WE are grived to learn that Miss Emma M. Willson, a former student and graduate of this school, must resign her position as teacher in Elizabeth high school on account of poor health. We hope for her speedy recovery.

> A TEACHERS' institute was held

Philomathean Galaxy.

MOTTO-PEDETENTIM ET GRADATIM.

ANNA BERTHEL, Editor:

THANKSGIVING vacation was from Wednesday evening till Monday morning.

Miss Ruff, teacher of English, to a vertical accompanied Miss Coursin, of the Senior class, home for Thanksgiving.

Miss Ruff, teacher of English, to a vertical accompanied Miss Coursin, of the stage.

Miss Ruff, teacher of English, to a vertical accompanied Miss Coursin, of the stage.

Handsome bookcases have been placed in the recitation rooms of Misses MacPherson and Ruff and Prof. Bryan.

THE NORMAL REVIEW is so highly appreciated by former students that, if not promptly received, letters of inquiry are sent.

Mr. Geo. Fowles, '88, a very successful teacher at Powhatan Point, Ohio, expects to return to the Normal for a few weeks during the spring term.

Miss Helen Hook, one of last year's staunch Philos, is teaching near home and awaiting the spring term with interest, when she expects to be one of our number.

Mr. R. M. Curry, of the class of '87, visited the Normal Nov. 16th and 17th.

THE following officers were elected last week: Pres., Miss Dague; Vice Pres., Miss Jennings; Sec., Miss Ache; Attorney, Mr. Pierce; Treas., Miss Lulu Whitsett; Critic, Miss Brown; Marshal, Mr. Huggins.

Quite a number of new students are expected at the opening of the next term.

THE exhibits from the Normal, of which there was a large collection at the Washington county institute, were admired and praised by all.

Just one-half the members of the Senior class have appeared before the school and delivered their chapel recitations.

Mrs. Noss gave Seniors their first lesson in embroidery work. It was quite interesting to watch the young men plying the needle. And they really threaded their own needles, too.

REV. MR. SILVEUS, of Coal Center, the friend of the students, visited the school last week, and treated us to a very pleasant speech from the stage.

MISSES McConnell, Westbay, and Packer, all of the class of '88, spent a very pleasant evening with Miss Boyd, a member of the same class.

Philos ever desirous for the improvement of their society, are continually devising improvements. Fearing that the old form of program had grown monotonous to its members, it has decided upon a change which will go into effect Friday, Dec. 2, 1888. Instead of calling the classes, as has been the custom, but one performer will be called forward at a time. In this way we can alternate, having a recitation, an esssay, and a reading; these interspersed with music. is hoped that the change will be beneficial, and that the ever faithful Philos will continue to make improvements.

Mr. Lee Smith, a Junior of '88, expects to enter the Senior class at the beginning of next term.

The Seniors have just handed to Miss MacPherson an essay entitled "A Parallel of the Four Great Reformers," and another of a similar character is to be written in the near future.

Miss Ruff continues to give the Seniors thoughtful subjects for a few minutes discussion at the beginning of recitations in General History. All enjoy them.

Dr. Noss, who has been absent from the Normal for two weeks, attending county institutes at New Castle and Washington, has returned.

MISS JENNIE THOMAS, one of last year's busy workers, now teaching at her home in Webster, visited the Normal lately.

Mr. A. S. Flanigan, of the class of '87, is teaching in Clarion, Ia.

MISS MARY McFarland, class of '88, is teaching very successfully near her home.

THE music given by the choir in Philo Society is highly appreciated by all. The interest shown by the members of the choir is evidence that it will still be improved.

Mr. Geo. T. Thompson, a loyal Philo, visited us Nov. 25th and 26th. He is an earnest young man and we hear he is winning the title of a good teacher. Philo extends her congratulations for his success.

Miss Nettie Crawford was unexpectedly called home, Saturday, Nov. 24, and will not return until the Monday following Thanksgiving.

Among the visitors at Philo, on the evening of the 2d, the society was glad to seee Mr. Albert Guffey, of the class of '87.

Among the number of new books that have been placed in the library since the opening of this term are the complete works of Thackeray and Ruskin; Motley's Histories, Famous Women Series, Boswell's Life of Johnson, and a complete set of the Waverly Novels.

THE students that went home to spend Thanksgiving were pleased to find we had our Thanksgiving dinner here last Sunday. The dinner was enjoyed. It was amusing to watch the grimaces of the teachers as they attempted to carve, and the patient, hungry faces of the students as they waited to be served.

Miss Frances Nickerson of the class of '88, and a staunch Philo, spent her Thanksgiving vacation at this place, with Miss Yarnell.

Miss Elva Hertzog, '85, who is teaching near Monongahela City, spent Thanksgiving with her parents, at California.

SUPT. B. W. PECK, class of '79, of Fulton county, held his institute Nov. 19-23. Col. R. H. Conwell delivered two of the evening lectures.

Shakespeare's Wisdom of Life.

Into what manner of man will Shakespeare help to fashion one pil away from all doctrinaire theories of life, from all thin abstractions of the intellect, from all luxucharacter and passion. He, it any our fellows. His dramatic method, ness, ease and accuracy the relative ceive of many of the probaspects of things, and the relative lems of human life not as it they value of feelings which otherwise we might wholly deny, or else aclaughter and anguish and tears. It is not every eminent poet who does this. To Wordsworth life seems of "realism" suggests, at the present interest less for its own sake than be- moment, a school of writers whose cause it furnishes material for that effort seems to be to give us assurserene yet ardent contemplation ance that the real means the brutal characteristic of his mind. To say and the base. Such, certainly, was of Wordsworth that he cared only | not for external nature is, indeed, studied the realities of human life viction that our public-school syswholly untrue; he cared profound- and character not in the Parisian tem will sooner or later have to be ly for man, but nature and man gutter, under the filthy lamplight, radically remodeled. It is an acaalike are given to the reader only amid reeking slums, in the poison-demic system-a university curricuafter they have been subjected to ous tavern, and the house of shame lum on a restricted scale—similar certain Wordsworthian processes of feeling. He does not so much place ination could visit, as in "Measure The culture which it imparts is acaus in direct contact with actual life for Measure," with a purpose; not demic, and has but small reference as impart to us his own peculiar there, but through many centuries, to the life which the great majority manner of contemplating both ex- in many lands, and in his own great of pupils will have to lead. It ternal nature and the heart of man. heart; among Venetian palaces, in kindles an ambition in them which, And if it be so with Wordsworth, the moonlit garden of Belmont, in in nine cases out of ten, is destined still less does Shelley or Keats the banquet hall, and among the to be disappointed, and engenders, plunge us in reality or help to tombs of Verona, in the capitol of as a consequence, discontent and make each of us an experienced Rome, on the Athenian seashore, in disaffection toward the state which denizen of the city of men. The the Egyptian monument, upon the fails to satisfy the expectations it

beauty until we grow faint with heath near Forres, by Thames's desire, like Endymion in love with wisdom, and will direct him toward But Shakespeare interests us disearch for moral truth, is opposed of thinking far less of their creeds to that dogmatic temper in which and opinions than of their temperwere logical puzzles, but rather as Shakespeare's belief." ${
m He}$ -though these Shakespeare's imag- in kind, differing only in degree.

side and in the Windsor streets, the moon; and she visits us only in among the watch-fires of Aginour dreams. The other thrills our court, with Autolycus at the rural who submits to his influence? In nerves as with music, and leaves us junketing, and in the enchanted the first place, he will lead his pulin an exquisite excitement of existand of Prospero. And, having pectation or regret; or else he studied life in all its variety, and pleads with us on behalf of certain searched through all its secret abstract doctrines, and would fain windings and cavernous abysses, rious solitudes of the imagination, transform each of us into a mission- having studied it as no other man and from all merely contemplative ary of the ideas of the revolution. has ever done, Shakespeare brings back his report of human naturethe world of human action and rectly in men and women of all a report which, indeed, has dark sorts and conditions; and in men things to declare, yet one which, writer, helps to make us real and to and women especially through what on the whole, encourages us to bring us into fru:tful relations with is deepest in them, the play of their think nobly of God's creatures, passions and the inmost virtue of man and woman. If there is an compelling us to shift our point of their spirits. We acquire from him iron-hearted Goneril, there is also a view from moment to moment, and a habit of studying our fellows each | Cordelia in the world. If Iago eats yet keeping us steadfast in a re- one at first hand for ourselves, and the dust and stings, and Macbeth plunges both hands deep in blood, Queen Katherine stands before her many persons approach life, and aments and the vital physics of judges with the dignity of a blametrains us to apprehend with swift- their passions. We come to con- less spirit, and Perdita runs along the greensward in her girlish innocence and joy, or plucks her cottage garden blossoms-herself an inland we might wholly deny, or else ac-cept as absolute and final. He sets so many questions of moral chem-flower—for the shepherd's festival. Such realism as this stands a whole Such realism as this stands a whole forth human life as an affair of in- and experiments, and can anticipate hemisphere apart from the brutalexhaustible interest, and, though aright how this group of feelings ity prepense which now usurps the he does not profess to unriddle its or that will behave when this new name. One cause of the difference mystery, he communicates to us reagent or that has been added to is this: Shakespeare was a realist the courageous temper in which we the retort or the crucible. And who was constantly tempted by his can accept things not understood. thus we advance to be adepts in the passions and his imagination to be-He sends us forth to grapple with art of living. We might name come an idealist, and who was saved the world for its prizes of love and Shakespeare in the phraseology of from this only by his determination to see things as they are, to take note of all facts, and to inspect each fact on all its sides.

What Shall the Public Schools Teach.

I expect to meet with much opposition when I declare my conone fixes our gaze upon an ideal of platform of Elsinore, on the wild has aided in arousing. Is not a

large proportion of humanity predestined to failure? Has any system of education been devised which unerringly leads to success? I answer the last one unhesitatingly in the negative. There are failures, there always must be failures, however excellent the system of edare ill-adapted to their environment. is to minimize the effect of this imperfect adaptation and thereby minimize the number of failures. The number of children who are absolutely unfit for any kind of honorable activity is happily very small. An overwhelming majority would make useful men and women, in more or less limited spheres, if they were trained to meet and cope with actual conditions—if they were fitted by education for the life which, in all likelihood, they will have to lead. The educational system should be adapted to the average intellect, and take no account of exceptions. It should aim first to inculcate that which is usereading, writing, and elementary

the Presidency of the United States. A man's dignity depends upon his character and his usefulness to his fellow-men, rather than upon the country where he was born; and, although patriotism is a noble sentiment, it should be made to foster personal worth for one's country's ucation, because a large number of sake, rather than empty boasting children are constantly born who and an overweening self-esteem. The present curriculum of the pub-But one of the objects of education lie schools takes little or no account of sex, and gives girls practically the same education as boys. I am aware that there is a large class of people who think this a great recomwhich had utility in view, the distinction of sex could not be ignored. Girls, in the normal order of things, are destined to become wives and mothers; and I, for my part, can see no objection to their recognizing this destiny, and being educated to discharge the duties of that noble vocation with the highest possible efficiency. That objectionable prudery which makes every allusion to future motherhood a ing upon their own lives is directly tabooed subject between teacher and | chargeable to our system of instrucful, instead of aspiring to impart pupil is responsible for a large frac- tion. - The Forum. accomplishments which foster tastes | tion of the ills of society. I would and habits uncongenial to the actu- have girls instructed in hygiene, al environment of the children. the properties of food, the diet cultivate the power and habit of The kind of teaching which the proper to infants, and, as far as pospublic schools now furnish (beyond sible, in all the practical branches which have the most direct bearing arithmetic) is calculated to make upon the life which they are to lead. the pupil ill at ease in any position It is of very small consequence requiring physical labor. He has whether they know decimal fracbeen taught there need be no limit tions and the boundaries or poputo his ambition; that it is the glori-lation of China; but it is of the ous privilege of every American to utmost consequence that they should erly is apparently less common than aspire to anything under the sun, not waste the hard earned money of skill in teaching other branches. and that fortune and power are their future husbands by an unin within the reach of every son of the telligent household regime, and it supposing a pupil is learning how •Republic. I have myself heard is also of much importance that to observe when he is merely listenmany discourses of which this they should know how to take care ing to what his teacher tells him to was the gist; and the selections of their children, how to escape remember about an object he may in the various school-readers bear avoidable disease by a rational diet be looking at. So-called object testimony to the same spirit. I do and regard for sanitary laws. I lessons, taught by such false methnot, of necessity, reprobate this doubt if any one realizes the enor- ods, have no tendency to cultivate spirit, although I think that as a mous waste of life and health which the power and habit of observation, predominant and uniform tendency the ignorance of mothers entails out rather to confuse and stultify it is unwholesome. It is of more upon society A young mother, the child's mind. On the other importance to impress a child with uninstructed in the subjects men- hand, observation lessons in which his duty toward God and man than tioned, is bound to experiment ruin- the children really do the observing with God's and man's duty toward onsly with her own health and that not only develop the observating him. It is better to inspire him of her children, and gain experience powers, but also furnish the child-

strain the reflection that we are lamentably failing in our duty to our girls, both rich and poor. We give them a stone instead of bread. We give them ornamental accomplishments, and we teach them to blush at the thought of the state for which God has destined them, instead of arming them with useful knowledge which would, enable them to cope intelligently with the conditions they will surely encounter. What nobler office can the public schools fill than this? Even if the cost be doubled, the benefits accruing to the state from this mendation. But in an education kind of education would be many times multiplied. Instruction in the chemistry of cooking alone—a very simple and fascinating subject would save the community, in the aggregate, ten times the amount of increased taxation. Skill in the making of simple garments would save another item scarcely less considerable. The poor are wasteful from ignorance, and their ignorance in all practical subjects bear-

Lessons especially designed to observation appear to be less widely used than is desirable. It is probable that the erroneous methods of teaching too often employed in such lessons have led to meager results and consequent distrust of this branch of school work. The skill required to teach such lessons prop-The mistake often made is that of with a sense of the dignity of honest toil, even in the humblest sphere, than to stimulate his ambition for tragedy, I have not been able to resible material for language work.

What is Known of the Earth.

The influence of the movements and figure of the earth may everywhere be traced among the pheby the more and more complete exand annual motions of the globe, subject to the effects of the spherical form of the earth and the direction of its axis of rotation, determine at all parts of its surface the amount of heat and light received from the sun, and thus regulate all the conditions of existence upon it; they give rise to the varying length of days and of seasons at whatever direction we turn are to be termed terrestrial work and rest, of rain and dry weather. The tides of the ocean, and the less apparent though not less regular periodical well as the little understood variaconsequences of the same general causes. The remarkable force inherent in the globe, known as terthe geographical poles, is found to have varied according to some yet unknown law. The nature and mode of operation of magnetism, and the allied phenomena of electricity, continue to be subjects of speculation, no explanation of them having yet been proposed, such as that which refers heat and light to the vibrations of an elastic medium.

that the earth's magnetism is dis bance of the present level of the tributed through its mass, and that sea, or reduction of its average the magnetic force either wholly or mainly resides in the interior, and tion recently made, it would apcan not be attributed to external pear that the mean height of the nomena brought to our knowledge influences, though it may be affect surface of the land above the seaed by them. Precise observation level is about 2,250 feet; the conploration of its surface. The daily has now supplied satisfactory proof tinental areas having the following that the earth's surface, with all elevations: that is on it, has been evolved Asia, 3,072 feet; North America, through countless ages, by a process 1,888 feet; South America, 2,078 of constant change. Those features feet; Australia, 805 feet. that at first sight appear most permanent, yet in detail undergo perpetual modification, under the operation of forces which are inherent in the materials of which the earth is made up, or are developed by its different places, and to a multitude movements, and by its loss or gain of recurring phenomena which of heat. Every mountain, however 18,000 feet. About 17 per cent. is characterize or influence the ani- lofty, is being thrown down; every less than 3,000 feet. Among the mate and inanimate world. In rock, however hard, is being worn influences which give to the earth away, and every sea, however deep, the characteristics that most imbe found alternations of what may is being filled up. The destructive mediately affect its fitness for occuagencies of nature are in never ceasday and night, summer and winter, | ing activity; the erosive and dissolv- | life generally, those due to the atperiodical winds extending over ing power of water in its various mosphere are, without doubt, the longer or shorter periods, seasons forms, the disintegrating forces of most prominent. These under the heat and cold, the chemical modifi- designation of climate, are concation of substances, the mechanical effects produced by winds and oscillations of the atmosphere, as other agencies, the operation of vegetable and animal organisms, tions in terrestrial magnetism, are and the arts and contrivances of man, combine in the warfare against what is. But hand in hand with this destruction—nay, as a part of restrial magnetism, which gives a it—there is everywhere to be found determinate direction to a freely corresponding reconstruction, for suspended magnetic needle, and is untiring nature immediately builds For, owing to the laws of elastic of inestimable value to man, has up again that which it has just fluids, the great mass of the air and long been the subject of observation thrown down. If contingents are of the watery vapor it contains are and study. It is now established disappearing in one direction, they that there two magnetic poles, one are rising into fresh existence in One-fourth of the air and one-half in each hemisphere, at which the another. Though the ocean tears of the vapor are found below 8,000 needle would point vertically up- down the cliffs against which it feet from the sea-level; one-half of ward and downward. Their posi- | beats, the earth takes its revenge by | the air and nine-tenths of the vapor tion, which is not coincident with upheaving the ocean's bed. The are below 19,000 feet; which hardly area of the dry land is very greatly exceeds the average elevation of exceeded by that which is covered the highest ranges of the Himalya with water. The whole surface of Mountains; while three-fourths of the earth being 197,000,000 square the air and virtually the whole miles, about 55,000,000 are land effective vapor lie below 30,000 and 142,000,000 water. The averfeet, and therefore within the in-Our knowledge of the phenomenal rearrangement of the surface is likely to be acted upon by irregularof terrestrial magnetism, therefore, quite possible by which the whole ities of relief, and by local variastill remains in the empirical stage; of the land might be submerged tions in the power of absorbing or

depth. From a careful computa-Europe, 939 feet; greatest depth measured in the ocean exceeds 27,000 feet, and it has been estimated that the mean depth is about 12,500 feet. About 5 per cent. of the ocean area is less than 600 feet in depth, and a somewhat smaller proportion, more than pation by man and the support of stantly affecting us. But of all recognized branches of science, that which treats of the atmospheremeteorology — is at the present time certainly the most backward. The inequalities of the earth's surface, which are insignificant when viewed in relation to the whole globe, are of the greatest importance in relation to the atmosphere. concentrated very near the surface. age height of the land above the fluence of the highest summits of sea-level is also very much less those mountains. That portion of than the average depth of the sea- the atmosphere which is nearest bottom below that level; so that a the surface is manifestly the most they are, however, held to show with comparatively little distur- radiating heat or diffusing vapor. tity of moisture in the air at any on insufficient data) that the mean rainfall over the whole globe is not less than sixty inches in the year, and falls of ten times this amount are known to occur in some localities. A few words will indicate the magnitude of the forces which are called into silent and comparatively unobserved operation in the atmosphere by the sun's heat in the production and recondensation of aqueous vapor. It has, as I noticed, been estimated that on the average five feet of water falls annually as rain over the whole earth. Supposing that condensation takes place at an average height of 3,000 evaporation must be equivalent to a power capable of lifting five feet of water, over the whole surface of the globe, 3,000 feet during the year. This, not reckoning the force required for the transport of the rain in a horizontal direction, would involve lifting 322,000,000 pounds of water 3,000 feet in every minute, which would require about 300,000,000 horse-power constantly in operation.—Richard Strachey, F. R. S.

The Circle of the Sciences.

If I were asked what one word most thoroughly characterizes the present age, I should answer science. The number of books, pamphlets and papers sent out every year on scientific subjects of every conceiva vast literature has already sprung | ships, telegraphs, steam-presses, | by the earnest appeals of his friends.

Hence it is certain that it is the up such as no man could master in and all the thousand applications movements of the lower strata of the longest life. Every newspaper the atmosphere that chiefly affect | has its column of more or less trustall conditions of climate, though worthy scientific items. Associano doubt there are great movements | tions for the encouragement of sci- | of the quiet but tremendous revin the upper regions to bring about ence are multiplying in all directhe restoration of equilibrium, tions. Our universities are spend-through under the guidance of sciwhich is constantly disturbed from | ing great sums of money for the | ence. The benefits of the ancient below. The great activity of the building and equipment of science civilization were necessarily confinair in discharging the functions of | halls; and instruction in this departequalizing temperature and distrib-|ment, almost totally neglected a classes, for they were founded on nting moisture over the earth is generation or two ago, is spreading the servitude of the masses; but remarkable. If the whole quan-|more and more widely in our col-|modern civilization should bring leges and public schools, so that the its blessings to all, for it is founded moment were condensed so as to very boys and girls begins to chat on the servitude of the tireless and leave it absolutely dry, the result-|ter science. The new subject seems | inexhaustible forces of the universe. ing stratum of water if distributed to be coming in like a flood, threatevenly over the whole earth would ening to engulf the cherished landbe less than one inch in depth. marks and venerable institutions of Yet it is estimated (though perhaps our forefathers. Some conservative people, loving the good old ways, find the change startling, not to say alarming, and, if it were only possible, would make haste to dam the rising waters back within the old ing revolutionized by the scientific bounds. But science has come to stay, and not only so, but it seems destined to increase in influence from year to year, and play a still more important part in the future than in the present. There are good reasons for the popularity of science. We live in an age boastful of its progress and fond of pointing the finger at the benighted world of the ancients, or even of a hundred years ago, as far behind the times. But feet above the surface, the force of in what does our progress consist? Are we much more moral or devout than the early Christians? Do we display higher intellectual or artistic powers than the old Athenians? The answers to these questions will hardly be flattering to our vanity. After eighteen hundred or two thousand years we can see perhaps an advance in the average morality and intelligence of the civilized nations, but we will have to search very long before we find a modern equal for Paul or for Plato or Aristotle. In fact the advances on which we pride ourselves are chiefly those won for us by science in the material world. How much these advances mean in our civilization can hardly be estimated. The paralysis of New York after the great snowstorm last winter may give some his early ambition had been to behint of it. Imagine the world sudable kind is fairly bewildering; and denly deprived of railways, steam- from this ideal he was persuaded only

of science to the work of life in the last half or three-quarters of a century and some idea will be gained olution which the world has gone ed to a small number of the upper I have briefly touched on the material changes effected by the application of science; but with them have gone equally important, if less obvious, changes in our intellectual standpoint. Our whole way of looking at things, with reference to both this world and the next, is bemode of thought, to which most other lines of study are more or less consciously adjusting themselves. Science is a powerful solvent in which old ideas are very often separated into their elements and allowed to crystallize into new forms. Whether this process is always beneficial may well be questioned, for modern science in its keen, cold investigation of the material world is in some danger of neglecting the equally real spiritual world. Perhaps what has been said will serve to give some idea of the immense and ever-growing importance of this comparatively recent factor in human life, and will show how necessary a knowledge of the subject is to any one wishing to aid or even to understand the onward march of our time. Scientific men claim as the object of their investigation, nothing less than all nature, including the investigator himself. There is nothing that can be grasped with our senses and our reason which science does not hold as belonging to its legitimate territory. -Prof. A. P. Coleman.

A contributor to The Writer quotes Mr. Whittier as saying that come a prominent politician, and

The Fall of Fiction.

It seems to be the nature of most fashions, good or bad, at last to beotherwise be a somewhat perplexing paenomenon in the fiction of the passing hour. For some time past the fashionable tendency has been largely in the direction of a certain conscious, not to say willful thinness of narrative material. The by elephants, and so forth-we presold merits of fullness and "body"--virtues apparently hereditary in that lineage of robust minds which can be traced backward without a break from George Eliot to Fielding-have been growing rarer and rarer. In their place the art of making a very little go a very long by undoubtedly dextrous hands. It has almost reached the point of of the "society" novel, notably a species grown in American soil, or and forcing beds, and distinguished by an elaborate triviality which no amount of cleverness can render other than vapid. Such a fashion ever true Dryden's words may can never in the nature of things have been in his own day, they be long lived. Those miracles of seem less so in ours, when the nightly Review. inexhaustible nothingness, in which ability to imbibe unlimited quantithe tiniest rivulet of incident just trickles across a continent of dialogue, can not long be interesting, permanently successful appeal. aliment; but, on the contrary, they Moreover, along with this slightness and attenuation, so unimpressweight and bulk of English intellectual bullion, there has been the inev-

regaled with slaughtered humanity served up in every variety of appetizing ways — speared, brained, ently become, not so much revolted and nauseated by this sort of fare, as simply blase and apathetic in the presence of further culinary blandishments. Some husbandry of horlie to be fastened on him?" Howties of literature making enormous demands upon credulity is no uncommon gift. It might be thought appear susceptible of infinite dilacalls "a gross lie" to be "fastened"

suddenly leapt into paroxysmal it distances all rivalry in the work life. From coma it has passed into of procuring swift and thorough convulsions. A single graphically inebriation. Its devotees would described horror may interest us by not thank you for a bottle of the get their contraries, and it is to the virtue of that curious attraction in finest Chateau Yquem, when the principle or law underlying this repulsion which, though morbid great end and aim of drinking—the curious but familiar fact that we and questionable, is not the less a being made drunk—can be reached are disposed to refer what would real element of power; but the by such an infinitely readier agency. cannibal in us is soon appeased, and The taste for novels like Mr. Rider when our mental palate has been Haggard's is quite as truly the craving for coarse and violent intoxicants because they coarsely and violently intoxicate. But the viccaught in lion traps, torn in twain tims of this thirst are without the excuse which the indigent topers to whom we liken them may plead. The poor tippler might say that he bought his unutterable beverage because he could not afford a better. But the noblest vintages of literarors, some frugality of affrightments, ture may be purchased as cheaply is necessary, or we should learn to as their vilest substitutes. When look upon them without a thrill. we have abundance of exquisite way has been carefully cultivated The lavishly disgusting at last grapes in our vineyards, is it not ceases even to disgust and is met almost incredible that persons who with mere indifference. In works of | pretend to some connoisseurship sheer bravado in some developments | fiction, to borrow words which Dry- | should be content to besot themden applies to the drama, "we selves with a thick, raw concoction. know we are to be deceived, and we destitute of fragrance, destitute of rather in New York conservatories desire to be so; but no man ever sparkle, destitute of everything but was deceived but with a probability the power to induce a crude inebriof truth, for who will suffer a gross ety of mind and a morbid state of the intellectual peptics? It is indeed almost incredible, but the pity of it is, it is true. - The Fort-

Does Excitement Shorten Life?

Whoever has studied man's even as miracles, in an age to which that the capacities of credulity earthly tenure and the causes which the miraculous does not make a would soon be glutted by heavy tend to lengthen or curtail it will have scarcely failed to notice how contradictory is the evidence of tion by what they absorb. The those we naturally look to to exive by contrast with the traditional intellect, in allowing what Dryden plain them, and that their evidence, even when they agree, does not on it, forfeits its self-respect; but always accord with what would itable concomitant of languor and having once done so, it has nothing seem to be the facts, as they appear ennui and enervation, and it is further to lose, and may go on per- around us. One authority says these which have produced at last mitting similar liberties to be general physical development is that recurrent phenomenon in the taken with it, without much addi-necessary to prolong life, while natural history of fashions to which | tional sense of lost dignity. There | another insists this is not required allusion was made in our opening is among the very poor of our if the day's employment does not sentence. For, if the immense large cities a class of persons who call for physical exertion. Dr. D. popularity of Mr. Rider Haggard's nightly resort to the gin-shop to B. Richardson, an eminent English stories has any symptomatic signif- purchase a mixture of every known authority, declares, among many icance, the stage of languor has at liquor, the heterogeneous rinsings obvious though scarcely novel proplast reached its term and is being of a hundred glasses. The flavor of ositions, that everything that quicksucceeded by a frantic rebound to this unnameable beverage defies ens the action of the heart, any the opposite extreme of spasm. imagination, but the liquor has for kind of excitement, taxes and re-From elegant listlessness fiction has its lovers one transcendent virtue— duces the storage of life. If this

were said of those naturally feeble, or inheriting disease, or even of those leading sedentary lives, and living from day to day without the invigorating benefits of fresh air ed by pretenders-self-control and and exercise, it would seem reasonable, for one does not have to be a | be leally strong who has not learnskiliful physiologist to know that ed to control himself. He can not excitement affects the nerves as well master others, except in a brutal or as the heart. But is the statement dishonest way, until he has first strictly true when referring, as here, | mastered, not merely learned how to the en ire human family? Surely to conceal, his own temper. In fact soldiers engaged in actual warfare the bully or any other pretender and sailors in peace as well as war live among excitements, besides being notoriously addicted to indulgences as to drinking and smoking, vet are they long-lived? Statistics show it and observations corroborare them. The pension list of the when in some exigency more is re-British army, giving the ages of the | quired of him than usual; to critiin all climates for from twenty to impose in various other ways upon forty years, and excluding those those around him. Nor can his inabolishment. In the merchant ser- | the leader or ruler of men. Contrary proof near us, for at Sailors' Snug hundred aged but for the most part one time merchant fleet; that many, dence in himself. country, living with their grand living or engaged in other employments along a water front. From this it would sppear that a sound and exposure and even frequent excitement, if only there is plenty of fresh air and exercise of a vigorous kind thrown in. - Scientific Amer-

There are 2,750 languages.

Force of Character.

There are two essential elements of force of character reldom possessa spirit of fairness. No man can rarely ever attains permanently a position in life which belongs to instead of those who are just, selfreal merit. He is oftener seen in subordinate positions, and is recognized by his propensity to give instead of take directions, to complain beneficiaries, men who have served cise when he can not shirk, and to pensioned sooner because of "wounds | fluence be of a lasting kind unless received while in the performance | he is disposed to be fair and honest of duty," shows that soldiers do in dealing with antagonists. He not die as other men do; so it is may have these qualities and yet be with the naval pensioners of the without force of character; but hav-Greenwich Hospital, now scattered ing them, he is possessed of two of over Great Britain, because of its the primary elements that make up vice to-day it is no uncommon thing to general belief, then, the man of to find a man seventy years old in real force is never a bully, is never charge of a vessel-a post requiring arbitrary or unjust, is never pasactivity of body as well as of mind. sionate, though he may be and gen-Here in New York we have the erally is aggressive, and may, as occasion requires, give exhibitions of Harbor, on Staten Island, are eight temper that is, nevertheless, kept in perfect control. Force of character hearty sailors. Most of these are brings with it self-reliance and an our sociological life, and not the between seventy and eighty; active imperturbable manner. Just as the least of these is the craze and the old fellows they are, with clear really courageous man remains cool minds and good appetites. They in the presence of danger, the self ate novel reading." will tell you they are not by any reliant man keeps his temper under means the sole survivors of our provocation because he feels confi-The coward human body can withstand hunger that real force of character begins of fairness if he must retain his 15. The telephone.

ascendency, for reason must approve the terms of peace, else there will be repeated revolts. The consideration of what is the true and what is the misleading sign of force of character is of advantage not only in enabling one to put a just estimate upon men, but because all of as conscientiously or unconscientiously adopt types which we seek to imitate, and it behooves us not to make the mistake of following a bully instead of a brave man, of looking up to the overbearing reliant, persistent, and whose force of character is shown not by the way in which they trample upon other people, and ignore the rights and opinions, but by their manner of obtaining ascendency through the constant exercise of justice, reason, firmness, and self-control.-Baltimore Sun.

Speaking of the baneful effects of indiscriminate novel-reading, the Christian At Work says: "As for the sensation, unreal, ill-starred, distorted extravaganzas with their sham heroism, or those others with their effluvial scandals, fostering that habit of novel-reading which leads to fatty degeneration of the mind, just as dram-drinking tends to fatty degeneration of the heartbanish it all from the home and keep it out. There are four great evils of to-day which are sapping curse of intemperate, indiscrimin-

The fifteen great American inif not most, of their mates are yet grows excited and loud-mouthed to living, but distributed over the conceal his real feelings. The are: 1. The cotton-gin; 2. The bitrary man, accustomed to force planting-machine; 3. The grasschildren, perhaps wherrying for a his views upon others, loses confi mower and reaper; 4. The rotary dence in and control of himself printing-press; 5. Navigation by when he fails to make his usual im- steam; 6. Hot-air engine; 7. The pression. It is at such a moment sewing machine; 8. The india-rub-that real force of character begins ber industry; 9. The machine manto tell; it is then that the self-con- ufacture of horseshoes; 10. The tained and self-respecting man dic-sandblast for carving; 11. The tates his terms and asserts his pow- gauge-lathe; 12. The grain-elevaer. But it is then also that he must tor; 13. Artificial ice making on a exercise that forbearance which large scale; 14. The electric magcomes of honest purpose and a spirit net and its practical application;

A Dream.

Editor Review :—I have thought you might be interested in a recent dream of mine. I will relate it to you as best I can. I dreamed that after an absence of two years I visited the dear old Normal at California. It was at commencement, 1889. Crowds of people were there. The trains landed hundreds of people, not at the regular station away down town, but at the corner of the campus, at a special flag station called "Normal." Excursion rates were given, so I dreamed, to attend the commencement exercises. Strange to say, the campus, which always presented a high bank to the view of passengers, had been beautifully graded down, almost to the level of the track, and a neat iron fence not more than three feet high inclosed the campus on the railroad side; so that the view of the grounds and buildings from passing trains was all that could be desired.

I was told that the Normal School grounds had become the most attractive spot on the Monongahela river, and that travelers invariably took a position on trains and boats where they could get a view of the campus. They never failed to exclaim, "Isn't that lovely!" "What a delightful place to attend school!" Entering the buildings, what was my astonishment to see the most unlooked for changes! The time honored pump had fallen into "in-nocuous desuetude" and sparkling spring water was flowing abundantly on every floor. Along the 150-foot corridor of the main building was spread a broad matting, of books had been made to the liprepared by students. I dreamed students for the Normal. that a class of thirty-six were reincoming Senior class numbered students. just Twice Thirty-six.

I fear I have wearied you with the details of my dream, and yet I have only told you half.

Respectfully yours, Amicus.

his soul in patience he may realize all he has dreamed—and more.-

Ladylike, or Not?

In our literary society we have some very strict ladies who think it is not ladylike to take part in a debate—not even in a miscellaneous debate. In this enlightened day of the world, when young ladies who are teachers are expected to stand in an assembly of teachers and school patrons, in a district institute, in prayer meetings and church associations, to speak their minds, is it right to learn self command by practice in speaking in society, STUDENT. or is it not?

The Lawrence county teachers write to the students at the Normal that Dr. Noss's work at the New Castle institute was enthusiastically received. His instructions were such as are of practical use to teachers.

Principal Noss visited the Allegheny county institute Nov. 15 and made a short address. He says it was an inspiration to see the large numbers of California Normal students now teaching in Allegheny county. They are making themselves felt among their fellow teachers. One of them, principal J. C. Kendall, has been twice elected a member of the committee on permanent certificates.

A SPECIAL circular announcing the work of next spring term has been prepared. A copy will be sent to any address. Will every from end to end. Large additions reader of the Review, who knows of a teacher who may be interested, brary; and the walls of most of the be kind enough to send his address recitation rooms were covered with on a postal card. We are pleased splendid exhibits of school work to notice the growing zeal of former that when they first landed they school is being helped by the good aborigines. ceiving their diplomas, and that the words and the good works of its

THERE is no better paper for young people than "The Youth's Companion." We would call attention to the Special Offer of the publishers, an opportunity which student, has accepted a position as comes but once a year. Any new teacher in a school near her home, [If "Amicus" will only possess subscriber to The Companion who Hillsview, Pa.

will send \$1.75 at once, can have the paper free to January 1, 1889, and for a full year from that date. This offer includes four holiday numbers, for Thanksgiving, Christmas, New Year's and Easter, all the Illustrated Weekly Supplements, and the Annual Premium List with 500 illustrations. Address The Youth's Companion, Boston, Mass.

Already the requests for rooms for the spring term are beginning to come in. The term will exceed all former ones both in attendance and interest. Word comes that from one neighborhood in Fayette county at least twelve students will attend in addition to the three or four now in attendance from the same place.

THE Washington county institute was a great success. The Opera House was full to overflowing at every session. Good order prevailed, close attention was given, and the instruction was in large measure, appropriate and able.

Dr. C. L. Parkhill, '79, professor of anatomy in Gross Medical College, Denver, Col., writes that he likes the Review because it gives him the gossip concerning his old Normal friends. "My love of teaching," he says, "which I imbibed at the old S. W. S. N., has never left me. The subject I now teach is very different from those of which the Review treats; but the principles of teaching are the same.'

Mr. Geo. Darsie a former student, and Mr. Fred W. Schroutz, class of '82, are now students at Bethany college. Both were at the Reunion of California students at the Washington institute, Nov. 22.

The Puritans were so religious The fell on their knees, and then on the

> Miss Lizzie McClain, a former student, was married Oct. 3, to Mr. R. S. Todd, of Rostraver, Pa. Un bon voyage.

> Miss Blanche Robb, a last term

amount of eleverness can render lie to be fustened on him 2:

by an elaborate triviality which no of truth, for who will suffer a gross ety of mind and a morbid state of

rather in New York conservatories desire to be so; but no man ever sparkle, destitute of everything but and forcing beds, and distinguished was deceived but with a probability the power to induce a crude inebri-