The expression "laws of chance" seems a paradox as the words appear mutually exclusive. By chance is usually meant the utter absence of law, but in mathematics a series of events not regulated by any law that we can discover is often found along with chance. It seems that the laws of chance are used interchangeably. "Probability," says Bosse, is "expectation founded on partial knowledge." All actions are founded on probability; there is no demonstrating what a level will do, and our knowledge is based on a theoretical lever under conditions such as never will be found in nature. The probability of a drop of water is not a thing of chance; it would be an object of science to a mind conversant in the origin of details and possessing analysis capable of following it in all its combinations.

The same is true of every atom of the universe; all that is wanted is a calculus powerful enough to reduce all things to probability, to express all phenomena that ever have happened or ever will happen in the history of time reckoned from any instant. Pascal founded the science of probability about two centuries ago in a driving a problem for a professional gambler. A mistake is often made in wagering on a certainty, that because it has not happened in some time it is more likely to occur than the opposite.

For example, in the case of coin tossed under the laws of chance. A large series of flips leaves one a definite suspicion of sides in a given number of trials, but when you have tried thirty, while (2) only seventeen, and (3) only twenty times relatively, an error is made in the minds of the students. As the arguments are applied to the science of gambling, teams playing for a cup, a play, a bet and the winner, is it fair? It is not fair that A and B each have one-fourth and C one-half chance of winning.

The rules of which are founded strictly on the laws of chance. If two gamblers play and a be allowed to name the stake and double the time, he will eventually win, although the odds of game be against him. Of course, a thousand thousand thousand times, one-third will live to be sixty-five, yet we can't say that the chances of a man aged sixty-five living to be sixty-five are one-half.

The application of chance to text is important. An example of the place in mathematics. The most important use of laws of chance is in the reduction of a large number of events to a small number. It has been found upon three axioms. (1) Posi- tive and negative errors are equally frequent, (2) small errors are most frequent, (3) very large errors do not occur. The application of law of error, however, is not limited to least squares. The principle of least squares gives all cases in which the errors of an observed quantity is that value which makes the sum of the squares of the errors a minimum.

The empirical formulas for the velocity of flowing water are deduced by method of least squares, and it is found by theory and practice that the greatest velocity is about one-third the time, he will eventually win, although the odds of game be against him. Of course, a thousand thousand thousand times, one-third will live to be sixty-five, yet we can't say that the chances of a man aged sixty-five living to be sixty-five are one-half.

The application of chance to text is important. An example of the place in mathematics. The most important use of laws of chance is in the reduction of a large number of events to a small number. It has been found upon three axioms. (1) Positive and negative errors are equally frequent, (2) small errors are most frequent, (3) very large errors do not occur. The application of law of error, however, is not limited to least squares. The principle of least squares gives all cases in which the errors of an observed quantity is that value which makes the sum of the squares of the errors a minimum.
The Vidette-Reporter.

Thursday, Saturday and Saturday during the Chautauqua week at the University of Iowa.

E. G. NOON.
Editor in Chief.

H. H. SHEPPARD, CHARLIE W. UHRIG.
REPRESENTATIVE FRANK E. HORWITZ.
SENIOR DEAN.

The system of accrediting high schools at present in vogue in the University of Wisconsin does not seem to be understood in some quarters. Some critics have evidently forgotten that the relation between the university and the high schools at the present time is a purely voluntary one. No high school is placed upon the university's accredited list except by its own request. When a school applies for this privilege the university auditor sends an inspector or inspectors to examine the school. If, in the opinion of the faculty after hearing the report of the inspectors, the work of the school is of such a character as to properly prepare students for the work of the Freshman class, the school is accredited. So long as the school maintains its standard of work it remains upon the accredited list. If it fails for any reason to maintain that standard, after due warning, it is dropped from the accredited list. The university has no authority whatever to change the course or to interfere in any way with the working of these schools. It does have authority to determine the conditions upon which it will admit students to its classes without examination, and the system of inspection now in practice is the only means available to the university for securing the information essential to intelligent action. Any school which does not agree with the verdict of the university inspectors is in no sense debarred from the privilege of sending its graduates to the university, if its graduates have been well taught, they will have no difficulty in passing the entrance examinations and will be able to enter the Freshman class with just as good standing as the graduates of an accredited high school. The courses of study now followed in the five high schools of that state were not made by the university but by the state department of education. These courses are satisfactory to the university and any high school whose courses meet these demands and which teaches them in a satisfactory manner will be accredited if it desires so to be and makes its desire known to the secretary of the committee on accredited high schools. The university simply insists, as a condition precedent to the granting of this privilege, that the work of the schools shall be well done. If science is taught in the school, the university insists that the teacher of science must be adequate for good work, and that the work actually done must be sufficient in quantity and quality, before it will accept without examination the preparation in science of a graduate of that school.

Four students were recently dismissed from the academy of Lake Forest University. Their reinstatement was demanded by the students and being refused quite a number left the school.

Several Princeton graduates are preparing a "University Course" to visit the Azores, Gibraltar, and various points of historic interest on the Mediterranean Sea and the Indian Ocean.

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THE VIDETTE-REPORTER.

THE Freeman Heps are planning a special period for their first meeting after the spring vacation.

Miss Elizabeth Jones, of "Fairfield," is successor to Miss Nellie Anney as Secreaty of the Y. W. C. A.

Miss Nellie Anney, '11, will be married on Feb. 25th to L. R. Wanger, Secretary of the Y. M. C. A.

The American History class was visited Monday by Messrs. Kroeger and works, of the Ottawa Quartet.

Mr. Roach, of Rock Rapids, is visiting with us, too. Mr. Roach was a member of the Law class of 29.

The judges of the Oratorium Contest are S. W. Wright of Tipton, President, Headmaster of Ames, and Rev. T. J. Dow of Iowa City.

The senior class of Nebraska Wesleyan has adopted the Oxford cap and gown.

Out of 2,012 students at the University of Pennsylvania, 1,829 are from the State of Pennsylvania.

Only three of Yale's last year's base ball team are in college—Captain Quinling, Hinton and Trudon.

Nebraska University has created a board, consisting of ten members from the faculty and students for the full control of all matters pertaining to athletics.

The debating interests of Harvard are looked after by a standing committee composed of eighteen members chosen free from the faculty, students and graduates.

Harvard will have a second or "College" mine this season, with a separate organization, its own captain and manager. Men will be shifted according to the ability they show from the college to the "varsity," and the college nine as well as the "varsity" will play with outside teams. Chicago adopted this plan last year, and finding it a success will continue it this year.

The American School at Athens has secured from the Greek government the exclusive right of making excavations at Corinth. The extent of the excavations plans of the school, $40,000 will be required, but at present only $600 are available. The authorities have sent out a petition for money and hope to secure it in time to commence the work in March, and if sufficient funds are attained it will be carried on for four or five years.

Deafness Cannot be Cured

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by constitutional remedies. Deafness is caused by an inflamed condition of the mucus lining of the eustachian tube. When this tube gets inflamed you have a rumbling sound or imperfect hearing, and when it is entirely closed deafness is the result, and unless the inflammation can be taken out and this tube restored to its normal condition, hearing will be destroyed forever; and worse cases of ten are caused by cataract, which is nothing but an inflamed condition of the inner surface.

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