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NEW MATH BOOK.

(Continued from page 1.)

tions are also introduced at this time. Curves are taken up and the student is introduced to this interesting portion of analytic geometry without being confused by the idea that it relates solely to conic sections.

After this, the study of transcendental functions is begun and finally the year's course closes with the study of the parametric representation of curves, polar co-ordinates and curvature. It will be noticed that no work in three dimensions is taken up, that being deferred until the second year.

It has already been stated that the book is primarily for the use of engineering students; it may be questioned, however, whether the student who takes up mathematics as a branch of liberal education will not find this method of approaching the subject more satisfactory than the traditional one of attacking one branch at a time.

The relations between the several branches taught in undergraduate courses is so intimate that it is safe to say that only a student of exceptional natural mathematical ability can acquire as good a knowledge by pursuing one branch after another as by taking them up in the way outlined by Professors Woods and Bailey. The book should also be of service to practicing engineers who wish to review their mathematical studies.

The book is clearly written, well printed and illustrated, and contains a large number of examples which are particularly helpful, for it is well-known that a thorough comprehension of a mathematical method is only possible after it has been applied to the solution of well-selected problems. Attractive in form, and modern in method and expression, the book is especially valuable.

TENNIS ALMOST COMPLETE.

One Final Match in Singles Remains.

The singles in the fall tennis tournament are nearly completed; only the final match between P. M. Wentworth '09, and M. T. Whiting '08, is left. Wentworth, with T. B. Parker '11, has already won the doubles, but Whiting's defeat of Fanning makes him slightly the favorite for the single champion.

First round:—P. R. Fanning defeated C. B. Denison 6-0, 5-0.

Second round:—P. M. Wentworth defeated H. R. Draper 6-2, 6-4; P. R. Fanning defeated T. B. Parker 8-6, 6-1.

Third round:—P. M. Wentworth defeated L. Collin 4-6, 6-3, 6-4; M. T. Whiting defeated P. R. Fanning 6-4, 4-6, 6-3.

Final round P. M. Wentworth vs. M. T. Whiting.

DEFICIENCIES MUST BE MADE UP.

Faculty, Rule on This Subject Given to Students.

All marks of D must be removed at a date to be determined by the respective instructors, which date shall not be later than the end of the following November, but in case of subjects which from the character of the work can be pursued only in the second term, the date shall not be later than the end of the following March.

In case a mark of D is not removed at the date thus determined, the student shall be required to discontinue and dependent subjects which he is taking and can only obtain a clear record by repeating the subject in which the D was given.

No deviation can be made from this requirement but for exceptional reasons. Petitions for an extension of time must be presented before December 1st.

NORWEGIAN PROFESSOR STUDYING INSTITUTE TEACHING METHODS.

Dr. Blanchard Issues Pamphlets on Inorganic Preparations.

Dr. E. J. Halvorsen of the University of Christiania, Norway, who has been sent by his government to study American methods of teaching technical chemistry is attending the regular lectures and laboratory exercises in industrial chemistry and technical analyses at the Institute. For the past three years Dr. Halvorsen has been studying German methods in the great technical school at Charlottenburg.

Dr. Arthur A. Blanchard has recently issued a series of pamphlets on Inorganic Preparations. The general application of the principles of physical chemistry to preparation work has been strongly emphasized. When completed the series will probably be published in book form.

Added to the equipment of the Mechanical Engineering Department are two machines of interest, a twenty-inch centrifugal machine and a thirty-six-inch hydro-extractor. These are valuable for the experimental study of the laws of running balance with high-speed machinery.

Mr. and Mrs. G. H. Finn, of Clinton Road, Brookline, announce the engagement of their daughter, Christine, to William Engel '07. No date has been set for the wedding.

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