UNIVERSITY AND EDUCATIONAL NEWS

A FIFTY-ACRE piece of level land recently reclaimed on the Cambridge side of the Charles River basin, between the Harvard and West Boston Bridges, has been selected for the new site of the Massachusetts Institute of Technology. The selection is contingent on favorable action by the city of Cambridge in closing up certain streets.

PRESIDENT W. H. P. FAUNCE announces that $400,000 of the endowment fund of $1,000,000 which Brown University is endeavoring to secure, has already been subscribed. The general education board has contributed $150,000 and eight gifts of $25,000, together with smaller amounts aggregating $50,000, have been received.

MR. CHARLES SCRIBNER has given to Princeton University a completely equipped printing plant, provided at a cost of $125,000.

SIX new buildings are to be erected at the University of Wisconsin during the present school year. The first of these is a $200,000 woman's dormitory, three stories high and of fireproof construction. A feature of this building will be its division into two separate parts, each part to have a separate dining room, parlors, music room, etc., for the women of each section. The second building to be erected is the $115,000 building for the department of home economics and for the extension division. This building will consist of a large central portion with two wings. It will consist of three stories and basement and will be built of pressed brick with stone trimmings. A new building for the department of agricultural chemistry, to cost approximately $100,000, will be started next month. This building will also be constructed of brick and will follow the general lines of architecture of the agricultural engineering building and the agronomy building. The other improvements to be made this year include an annex to the gymnasium and armory, a west wing to the chemistry building and a west wing to the library. The new agronomy building, started last fall, will be ready for occupancy in a few weeks.

DR. ARTHUR S. MACKENZIE, who left the chair of physics at Dalhousie University for the same position at Stevens Institute last year, has been appointed president of Dalhousie University.

DR. BRADLEY M. DAVIS has been appointed assistant professor of botany in the University of Pennsylvania. He will offer work in plant cytology and genetics, and a course on the morphology of the algæ and bryophytes alternating yearly with a course on the morphology of the pteridophytes and gymnosperms.

MR. WINSLOW H. HERSCHELL, technical correspondent of the Allis-Chalmers Company in Zurich, has been appointed assistant professor of mechanical engineering in the University of Maine, to succeed Mr. W. M. Curtis, who has resigned to engage in practical work.

DR. RHEINART P. COWLES has resigned his position as associate in biology in the Johns Hopkins University to enter on his duties as associate professor of zoology in the University of the Philippines.

THE following promotions and appointments have been made in the School of Zoology at the University of Texas: Dr. J. T. Patterson, adjunct professor; Dr. D. B. Casteel, adjunct professor; Dr. A. Richards (Princeton '11), instructor; Mr. W. L. Brown and Miss Charlie Wilson, tutors; Mr. O. R. Lasater, Miss Ethel Taylor and Miss Mary Kirkland, student assistants.

THE new appointees in the College of Engineering of the University of Illinois and the Engineering Experiment Station includes C. R. Richards, B.M.E. (Purdue '90), M.M.E. (Cornell '95), for nineteen years associated with the engineering work of the University of Nebraska and for several years as professor of mechanical engineering and dean of the College of Engineering, has been appointed professor of mechanical engineering in charge of the department. A. M. Buck, M.E. (Cornell '04), for two years assistant professor of electrical engineering at New Hampshire

College, and for the past year professor of electrical engineering at the Clarkson School of Technology, has been appointed assistant professor of railway electrical engineering. F. C. Lincoln, S.B. (Mass. Inst. '00), E.M., Ph.D. (Columbia '11), for three years professor of geology and metallurgy at the New Mexico School of Mines, for three years professor of geology at the Montana State School of Mines, and for the past year in practise in New York City as consulting mining engineer, has been appointed associate in mining engineering. Paul Hanson, B.S. (Mass. Inst. '03), for several years practising sanitary engineer, has been appointed associate in sanitary engineering. G. A. Shook, A.B. (Wisconsin '07), for the past four years instructor in physics at Purdue University, has been appointed instructor in physics. J. W. Hornbeak, B.S. (Ill. Wesleyan '06), A.M. (Illinois '09), assistant in physics at Cornell University, has been appointed instructor in physics. G. A. Goodenough has been promoted from associate professor of mechanical engineering to professor of thermodynamics, and M. L. Enger from associate in theoretical and applied mechanics to assistant professor of theoretical and applied mechanics.

NEW faculty appointments to the School of Applied Science of the Carnegie Technical Schools, Pittsburgh, for 1911–12, are: Charles B. Stanton, assistant professor of railroad engineering; Clyde T. Griswold, assistant professor of mining engineering; Clinton J. Davisson, instructor in physics; Arden B. Holcomb, instructor in electrical engineering; Joseph H. Cannon, instructor in electrical engineering; H. J. MacIntire, instructor in mechanical engineering; Edgar F. Leippe, assistant instructor in machine design; O. T. Geckler, instructor in mathematics; J. A. Fitzgerald, instructor in commercial practise and statistics; Edwin C. Kemble, assistant instructor in physics; Roy B. Ambrose, assistant instructor in mechanical engineering laboratory.

MR. G. R. ANDERSON has been promoted to an associate professorship of physics, Mr. H. W. Price to an associate professorship of electrical engineering and Mr. P. Gillespie to an associate professorship of applied mechanics at the University of Toronto. Mr. T. B. Saunders has been appointed lecturer in vertebrate embryology.

DISCUSSION AND CORRESPONDENCE

COUPLING *vs.* RANDOM SEGREGATION

TO THE EDITOR OF SCIENCE: The suggestion offered by Morgan, in SCIENCE of September 22, to account for the coupling and repulsion of factors for various characters in inheritance in such forms as *Abraxas, Drosophila,* fowls, sweet peas, etc., incites this note.

Briefly Morgan's hypothesis is (1) that the materials representing factors that couple are "near together in a linear series" in the chromosomes; (2) that, when pairs of parental chromosomes conjugate, "like regions stand opposed"; (3) that "homologous chromosomes twist around each other," but that the separation of chromosomes is in a single "plane"; (4) that, thereby the "original materials will, for short distances be more likely to fall on the same side of the split," while more remote regions will be as likely to fall on one side as on the other; (5) that, in consequence, whether characters are coupled in inheritance or are independently inherited depends upon the "linear distance apart of the chromosomal materials that represent factors."

Leaving for cytologists to determine what has become of the "individuality" of the chromosomes, we may well inquire whether this hypothesis can account for the facts of Mendelian inheritance as exhibited in coupling, allelomorphism and independent segregation of the factors that represent characters. If parental chromosomes twist together and then separate in a single plane so that materials near together in a linear series are usually left together on one side of the split while more remote materials fall by chance on either side, it would seem that somewhere between these two regions the material representing some one character at least must be divided by the split so that part of it would lie on one side and part on the other. That