

H. H. Mitchell: "Determination of the finite quaternary linear groups."

L. S. Dederick: "On the character of a transformation in the neighborhood of a point where its Jacobian vanishes."

THE January number (Vol. 19, No. 4) of the *Bulletin of the American Mathematical Society* contains: Report of the October meeting of the society, by F. N. Cole; Report of the October meeting of the San Francisco Section, by T. M. Putnam; Report of the Cambridge meeting of the International Congress of Mathematicians, Sections II.-IV., by Virgil Snyder; Report of the Münster meeting of the German Mathematical Society, by Virgil Snyder; "Shorter Notices": Hulburt's Differential and Integral Calculus, by D. D. Leib; Voigt's *Theorie der Zahlreihen und der Reihengleichungen*, by R. D. Carmichael; "Notes"; and "New Publications."

THE February number of the *Bulletin* contains: Report of the sixth regular meeting of the Southwestern Section, by J. N. Van der Vries; "Some special boundary problems in the theory of harmonic functions," by T. H. Gronwall; "Note on Fermat's last theorem," by R. D. Carmichael; "Integral equations": review of Lalesco's *Introduction à la Théorie des Equations intégrales* and Heywood and Frechet's *L'Equation de Fredholm et ses Applications à la Physique mathématique*, by W. R. Longley; "An advance in theoretical mechanics": review of E. and F. Cosserat's *Théorie des Corps déformables*, by E. B. Wilson; "Shorter Notices": Fagnano's *Opere matematiche*, Heath's *Method of Archimedes* recently discovered by Heiberg, and Höfler's *Didaktik des mathematischen Unterrichts*, by D. E. Smith; Poincaré's *Wert der Wissenschaft*, by J. B. Shaw; V. and K. Kommerell's *Spezielle Flächen und Theorie der Strahlensysteme*, by E. B. Cowley; Horn's *Einführung in die Theorie der partiellen Differentialgleichungen*, by A. R. Crathorne; Forsyth's *Lehrbuch der Differentialgleichungen* and Poincaré's *Calcul des Probabilités*, by R. D. Carmichael; Lamb's *Dynamical Theory of Sound*, by E. B. Wilson; "Notes"; and "New Publications."

THE DIAGRAMS IN PROFESSOR THORNDIKE'S ADDRESS ON EDUCATIONAL DIAGNOSIS

THROUGH a misunderstanding the lettering was not given for the diagrams in Professor Thorndike's vice-presidential address before the American Association for the Advancement of Science, printed in *SCIENCE* for January 24. They are here reproduced with the inscriptions.

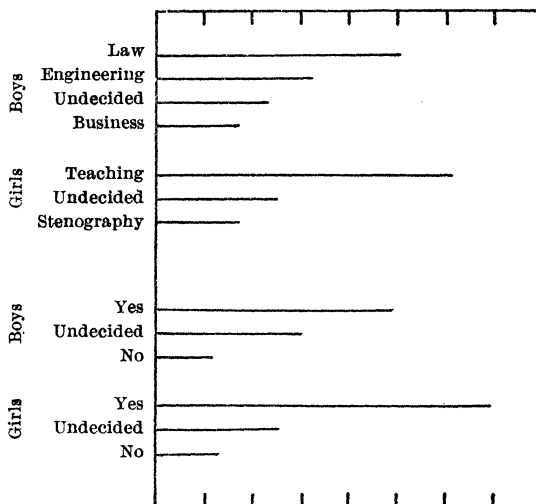


FIG. 4. The median expectation of length of stay in the New York City high schools, in the case of pupils who reported, at entrance to high schools, as shown at the left of the diagram, choice of occupation and intended length of stay.

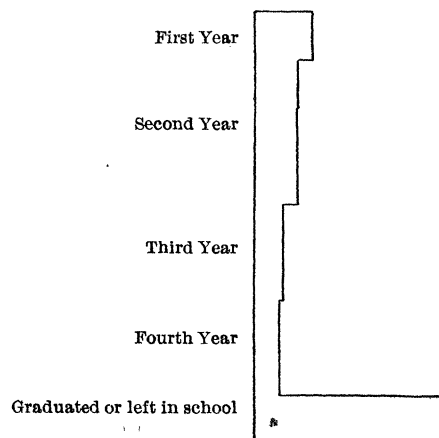


FIG. 5(a). The number of pupils, reporting themselves at entrance as expecting to complete the course, who leave in each successive year.

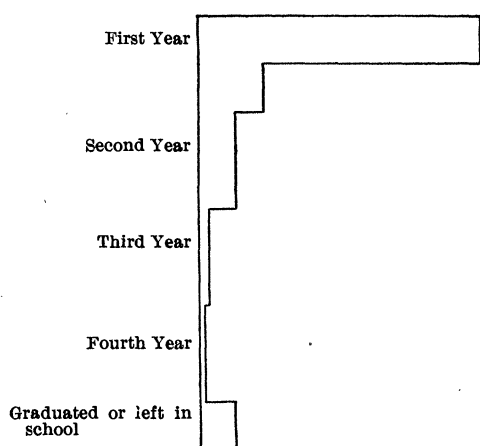


FIG. 5(b). The number of pupils, reporting themselves as expecting *not* to complete the course, who leave in each successive year.

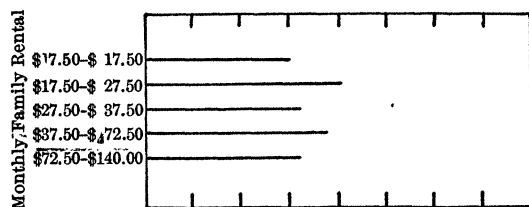


FIG. 6. The median expectation of length of stay in high school for pupils according to the family's monthly expense for rental.

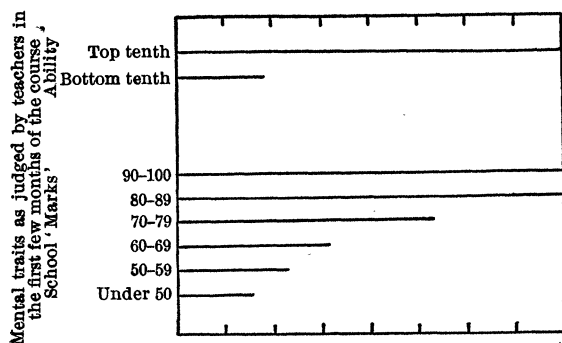


FIG. 7. The median expectation of length of stay in high school of pupils who during the first term were rated by their teachers as shown at the left of the diagram.

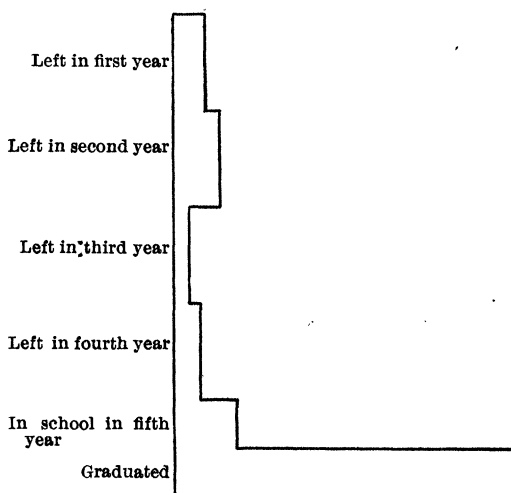


FIG. 8(a). The number of pupils, ranked in the top tenth for ability, who leave in each successive year.

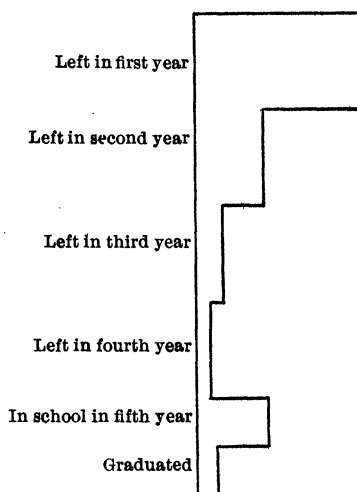


FIG. 8(b). The number of pupils, ranked in the bottom tenth for ability, who leave in each successive year.

SPECIAL ARTICLES

A WILD HOST-PLANT OF THE BOLL-WEEVIL IN ARIZONA

As cultivated cotton is the only plant thus far known to harbor the boll-weevil, the existence of another host-plant of these destructive insects may be worthy of notice. The plant