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A Calendar of Leading Experiments, 1918 (Classic Reprint)

By Wm S Franklin

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Calendar of Leading Experiments, 1918 (a) A boatman sits on a scat, braces his feet against a cleat and pulls on an oar. What forces act on the boatman s body? The earth pulls on the boatman, the seat pushes on the boatman, the cleat pushes on the boatman and the oar pulls on the boatman. This is all very simple to one who has acquired the habit of analytical thinking, but a large group of sophomore engineering students got an average of 45 per cent in their answers to the question after two weeks of insistent coaching on the fundamental notion of force action, and nearly every human aspect of boating was represented in the answers, including even the chance of a ducking, for several of the young men would have it that the water pushes on the boatman s body. (b) Ask a student of elementary mechanics how a body (a particle) behaves when it is acted upon by an unbalanced force, and the natural habit of thinking-in-terms-of-human-values shows itself after the...



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