

board. That is to say, there is just enough description to indicate to a pupil what he is expected to do, and which would be copied by him in his notebook. A teacher will require to amplify the book verbally, either in the course of a short demonstration at the beginning of the class, or, if his lectures and the practical work run together very well, this might sometimes be done in the course of the lectures. The aim that Mr. Carmichael has had before him has been to state concisely the nature of the quantity to be measured in each experiment and the theory underlying the method suggested. Descriptions of instruments are entirely omitted, as the students are expected to have the apparatus given them by an instructor.

With regard to the selection of experiments, the object has been to give students who have but a limited time for laboratory work a practical acquaintance with as many physical quantities as possible. The fact that the author is a teacher in a school of mining is a guarantee that the technical student is intended to be served; but it is the more academic, but equally necessary side of his training that is here catered for.

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### Exchanges.

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THE *Acta Victoriana* is always a welcome visitor. The January number, we note, still wears the holiday dress which so well becomes it. The literary and scientific columns sustain the old-time reputation of the magazine, though we consider the editorial and exchange columns weaker than usual. That "aimless sketch" of

a colonial visitor to London does credit both to his eye and his pen. "The Parting of the Ways" is not, we think, either a strong or well-written story. The maintenance of a scientific column is a good policy, especially when the article is as timely and forceful as "The Development of a Forest." "The Gospel of Work" is wholesome, and the writer has woven some well-balanced ideas from various authors into a tolerably readable article. We consider "The College Student and Missions" a very strong presentation of the problem of a university's influence in a country; for there is a problem, the writer has led us to believe.

*Vox Collegi* in bright Christmas cover, came to us too late for mention in our last issue. We hope it is not too late to make amends for a neglect, more apparent than real, which former numbers of the newsy little monthly received at our hands. The holiday issue, both in design and in presentation, is a credit of the editors. The short stories, especially the first, have point, and indicate good literary ability. The various departments are well edited, the bright local column, the athletics and the exchange columns deserving particular note. We do not presume our ability to criticize the Art, Oratory, Domestic Science, and Music sections; they are interesting even to one of the "vulgur profanum," and are very well written. And we agree with the ex-editors that "*Vox*" is improving in every department and therefore becoming better fitted to represent and serve the institution to which it is so loyal.