

Others, however, have not been so fortunate. Thrown into out of the way places in the exercise of their profession, they have not had the opportunity or time to follow up the subject.

To such this little book may be recommended as an introduction to the more mathematical treatises of Fleming, Blakesley, and Crehore and Bedell.

It deals with the subject in the most elementary way, so simply that it is practically impossible for any one with the most superficial knowledge of electricity not to arise from its perusal without a knowledge of the main characteristics of an alternating current, how it differs from a continuous current, the principles of the working of alternating current apparatus, and the ability to read the more mathematical treatises comprehendingly and understandingly.

The introduction is somewhat of a disappointment, as it contains, with the exception of a pertinent warning against the fallacy of supposing that the field produced by a two-phased current is more irregular than that of a three-phased current, practically nothing but a review of the book. One feels that more might have been looked for from one who has been so long in alternating current work and has done so much for its development.

There are few things that can be criticised in the book itself. The mathematical proof of the expression for the mean current, given on page 45 might be altered for the better, as it is not usual to change the variable in an integral without changing the limits between which the integral is taken, nor to integrate an angular expression between time limits.

The explanation of magnetic leakage on page 95 may also be objected to. Lines of magnetic induction are caused by a magneto-motive force, and magneto-motive

force is a vector quantity. Consequently, when two magneto-motive forces are superimposed, there is not a formation of lines of magnetic induction corresponding to each of the magneto-motive forces, but one set of lines corresponding to the resultant $M. M. F.$

In conclusion it may be said that, to those who are in want of a very elementary book on alternating currents, this treatise will supply what is desired.

R. A. F.

THE last number of Vol. V. of the *American Journal of Psychology*, which has just been issued, contains practical suggestions on the equipment of a psychological laboratory by Dr. E. C. Sanford. A study of Pseudo-chromesthesia, mostly among the students of Wellesley College, by Professor Mary W. Calkins, illustrated by many new diagrams and tables. A brief system of Ejective Philosophy, in seven pages, by T. P. Bailey. An attempt to explain the Hegelian Philosophy psychologically, by A. Fraser. The longest and most popular article is an account of the Neo-Christian Movement in France, by J. H. Leuba, a Frenchman by birth and education and Fellow at Clark University. The artistic sensualists, Huysmans, Beaudelaire, the school of decadents, illustrated by Kahn René Ghil and Mallarmé; "the literary critics and chronicles," "the tormented," like G. Duruy, Jounet, Lasserre, Bouchor, Bourget, etc., are characterized with just discrimination and knowledge. The Neo-Christian movement proper, represented by Lavissee, De Vogué and Desjardins, concludes a sketch which constitutes by far the best presentation of these remarkable literary movements that have yet appeared in English. The usual reviews follow.

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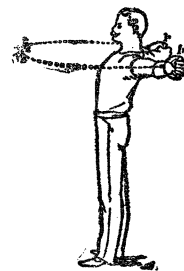
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