

experience in assembling a bibliography of a particular field will appreciate this sort of thing. A title, especially of a supposedly scientific paper, should be concise. However, precision or conciseness in writing a title for a paper should not fall before undue brevity. The writer certainly would not advocate a return to medievalism in such matters; but titles can be clear and at the same time brief. With the title cited above as a horrible example compare "*Musca domestica*, a New Dipteran Insect from Utopia." A good title, then, should be as brief as possible and should convey a definite idea of the contents of the subjoined matter, and should always be used with general papers as well as with papers of a taxonomic nature.

Not very long ago a very excellent paper of considerable length and illustrated by well-drawn figures in a half-dozen or more plates came to me. This paper was a zoological thesis from one of the major universities of the country. As it happened to be along a line of especial interest to the writer, it was read with care. But the ease of reading and the degree of pleasure and profit enjoyed were seriously marred by the fact that the figures on the various plates were labeled with abbreviations and that one had to turn to a distant page to find the key to these abbreviations. It would have been bad enough had the key been on the page facing the plate, or at the bottom of the plate itself. Often, to make such a bad matter worse, the terms are not alphabetically arranged—they may even be omitted by error in some cases. Needless to say, a study of such plates involves a great deal of time, patience, labor and even temper. In many instances, unless such papers are of immediate interest, they go unread in so far as a careful examination of the plates is concerned.

In the plates above mentioned, it was noticed that there would have been plenty of room to spell the labels out in full directly on the face of the plates, thus doing away with the necessity for a key, and at the same time effecting a saving of labor and space in production and a saving of time and labor in the ultimate consumption. The artistic qualities of the drawings would not suffer in the least by such a procedure; on the other hand, accuracy and availability would be greatly enhanced.

The present system of indirect labeling of plates is archaic and absolutely unscientific. It should be changed to a system of direct labeling on the figures, together with any necessary explanatory matter (not a key) on the page facing the plate. Direct labeling can easily be carried out in all cases except possibly in those rare instances where the details are exceptionally small and numerous. In such cases the key should face the plate and it should be arranged in an alphabetical fashion.

It is to be hoped that those editors responsible for matter of form such as the above in scientific serials will effect changes looking toward improvement.

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### QUOTATIONS

IN SCIENCE I note that attention is again called to the need of indicating in public addresses the beginning and the closing of a quotation. The terms "quote" and "unquote" are suggested by Mr. Arnold.

Some years ago I knew a very intelligent young woman who used to inform us that her "bright sayings"—some of them—were not original, by raising both hands above her head with the first and second fingers pointing upward. Her fingers were her "quotation marks" and were very easily understood. I have many times since thought that some such signs or signals would be useful for public speakers who wish to indicate when their quotation ends but do not care to say, "the quotation ends here." Probably both hands are not needed for the signal, but both for speaker and for audience some conventional sign would, it seems to me, be worth adopting.

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### THE METRIC SYSTEM

I READ with interest the letter of H. J. Page, of the Rothamsted Experiment Station, England, in SCIENCE for June 3, frankly confessing the great advantages of the Metric System over our stupid and inaccurate Anglo-American system of weights and measures, but explaining his use of the Anglo-American term of "quarter," &c., because his paper was intended for the agriculturists and not for scientists.

I beg leave to commend to him the method adopted by the *Journal* of the American Medical Association by which one does not need the searching of dictionaries, etc.

In the text of this admirable *Journal* all weights, measures, etc., are given in the Metric System followed immediately in a parenthesis, by the Anglo-American equivalent. This is gradually educating the public to the Metric System.

I hope and believe that the day of its adoption is drawing near.

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### QUOTATIONS

#### A BRITISH COLONIAL RESEARCH

THE report of the Committee on Scientific and Research Services, which is published this morning,