

number of chemical individuals and to differentiate a vastly larger number. For simple differentiation, however, it should be understood that it is not necessary that any data be known since sufficient may usually be obtained in five minutes or less.

It is obvious that by the use of petrographic methods in chemical work an immense amount of time can be saved, a saving that overwhelmingly counterbalances the initial cost of equipment and the rather unimportant trouble of learning the methods. With numerous substances the necessity for tedious qualitative analysis can be obviated or at least greatly limited. Reagents or precipitates, where extremely accurate results are not sought, may be examined for purity with scarcely more than a glance. This is of great value in various phases of drug examination or general inspection work. In this laboratory the petrographic microscope has supplanted a large amount of routine chemical analysis with a consequent saving of both time and reagents.

This paper is written with the purpose of calling to the attention of chemists the fact that, while the petrographic microscope can never entirely supplant chemical analysis, it may be and actually is an aid which can not fail to be of very great service both to the research and to the commercial worker.

WILLIAM H. FRY

BUREAU OF SOILS,
U. S. DEPARTMENT OF AGRICULTURE,
WASHINGTON, D. C.

TO THE AMERICAN PHYSICAL SOCIETY

IN his announcement of June 25th to the members of the American Physical Society, Professor Cole expresses the fear that there will not be room on the program of the San Francisco meeting of August 6 for many papers from eastern members. Evidently Professor Cole has overestimated the numbers or the scientific activity of the members of the Physical Society on the Pacific Coast.

It is the belief of the coast committee on program that there will be ample time for the reading of all papers that our eastern members are willing to present, and accordingly

this committee especially invites papers from the eastern members at this session.

FERNANDO SANFORD,
E. P. LEWIS,
For the Committee

A CORRECTION

MAY I be allowed to call attention to a printer's error in my article entitled "Some Reasons for Saving the Genus," which was published in SCIENCE for June 18, 1915? The concluding sentence (p. 902) was rendered entirely ineffective by the omission of a line. The sentence should read: "In this conflict the 'general biologist' should, I think, lend his support to that faction which shows the higher regard for the interests of the scientific public."

F. B. SUMNER

A CHICKEN WITH FOUR LEGS

ON December 15, 1914, a chicken was hatched out of one of our settings which had four legs. It lived from one evening to the next noon when it was stepped upon by the mother-hen and killed. It seemed to be normal in every other respect, eating and walking about like the others, of the usual markings and full size but not unusually large.

The two extra legs were at either side of the extreme rear of the body, appeared to be complete in all the essentials, having the three main toes and the small toe together with toenails. These extra legs were about two thirds the size of the principal ones, were a lighter yellow in color and had the toes facing the rear, the opposite to the ordinary ones.

In walking, the chicken curled up the extra legs behind it, using only the principal ones.

It was of the Plymouth Rock breed and nothing unusual was noticeable about any of the eggs of the setting. There did not seem to be anything unusual in the fertility of the eggs—hatchings running from two to eleven chickens. Six eggs of the setting in question hatched and all the remainder appear entirely normal.

This specimen was sent to the Museum of the Escuela de Agricultura here.

C. D. PERRINE
CÓRDOBA, December 22, 1914