great rookeries of this species on the level or gently sloping ground—just the condition that von Tschudi and Raimondi had encountered on the islands. Such a photograph as Murphy shows opposite page 304[8] could not possibly have been taken in 1908. The statement is not lightly made. I saw hundreds of rookeries of this species on islands and mainland over some 700 miles of the coastal region during a period of a year and a half and made many inquiries with the particular aim of checking the statements of von Tschudi and Raimondi. The conclusion seems inescapable that *Sula variegata* did originally nest extensively on level ground (and doubtless also on the cliffs), that some time during the period of unregulated extraction of guano, it gave up practically entirely the level areas, and, seemingly, found previously unfrequented cliffs on the mainland, and that it subsequently reclaimed the level areas when conditions made it feasible to do so. It is still believed, however, that von Tschudi was incorrect in ascribing chief importance to the gannet, locally known as "piquero" or "camanay." The fact that the name "guanay" or "huanay" was applied by the indigenous Peruvians to the white-breasted cormorant, taken together with the knowledge of its habits and the ascertained facts regarding the amount and quality of the guano it produces, points to the primacy of this species as a producer of the fertilizer that was valued by the Incas, and doubtless by their predecessors.

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## AN ABSTRACTING SERVICE FOR TECHNIQUE IN BIOLOGICAL MICROSCOPY

THE journal *Stain Technology,* the official publication of the Commission on Standardization of Biological Stains, is now in its tenth year and plans are being made for enlarging its scope with the beginning of 1936.

This journal has, almost since the beginning, consisted of two parts—one composed of original articles; the other of reviews of articles dealing with microtechnique that have appeared in other journals. The original articles at first dealt wholly with stains and staining procedures, but as it became known a few years ago that the editors were willing to receive more general contributions along other lines of microtechnique, their scope has gradually been widening and for about three years the journal has carried on its cover page as a sub-title the name "A Journal for Microtechnique." Recent numbers, in fact, have included an unusually large number of papers dealing with other subjects beside stains and staining.

The abstract section of the journal, which has been entitled "Laboratory Hints from the Literature," has always included microscopic methods in general, although the greater number of the articles reviewed have had to do with staining procedures, methods of fixation, etc. The abstracts have always been of distinctly unusual style in that the plan has constantly been followed of giving enough of the author's technique in the abstract so that it could be followed without consulting the original article. Up to the present time, however, the articles reviewed have been only those appearing in a limited number of journals available at Geneva, N. Y., where the commission laboratory is located. For this reason, the field has never been covered as completely as might be desired.

Beginning with January, 1936, however, it is hoped to cover in this abstracting service a much larger list of journals. A list of nearly 100 periodicals has been drawn up in which articles on microtechnique often occur and it is desired to cover in the future as many as possible of the journals on this list. It is obvious that not all this can be done in the future at the Commission offices as it has been in the past. Assistance must be obtained from biologists elsewhere in reporting on the methods published in many of these journals. The editors have already secured about 15 collaborators who have promised to assist in the necessary abstracting work, but additional abstracters would be desirable. If any of the readers of this article, therefore, are sufficiently interested in this undertaking to be willing to abstract a few articles each quarter, it will be appreciated very much if they would get in touch with the writer of this note and indicate their willingness.

The object in this proposed development is to convert *Stain Technology* into a journal which presents in a clear, concise and usable form not only the latest news concerning the biological uses of dyes, but also the most recent methods in general biological microscopy. No other periodical does this at the present time, the usual abstracting journal in the biological field laying its stress on results rather than on methods. It is hoped that the proposed plan will make *Stain Technology* a more useful factor in the field of microtechnique than it has been in the past.

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## THE ANTIVIVISECTION FIGHT IN ILLINOIS

THE methods employed by the Illinois Society for the Protection of Medical Research in combatting antivivisection activities in Chicago during the winter of 1934–35 may be of some interest to biologists in

[8] Robert Cushman Murphy, "Bird Islands of Peru," pp. xx + 362. New York and London, 1925, Putnam's. Illustrated with photographs taken in 1919 or 1920.