Medical Research Mission to the Soviet Union:
A. Baird Hastings and Michael B. Shimkin 605

Functions and Development of a Tropical Marine
Laboratory: F. G. Walton Smith 609

OBITUARY
Edwin Bisell Holt: Daniel Katz 612

TECHNICAL PAPERS
The Purification and Crystallization of Clostridium
botulinum Type A Toxin:
Carl Lamanna, Olive E. McElroy, and
Henning W. Eklund 613

The Isolation and Crystallization of Tetanal Toxin:
Louis Pillemer, Ruth Wittler, and
Donald B. Grossberg 615

The Effect of the Prepartum Diet of the Cow on the
Vitamin A Reserves of Her Newborn Offspring:
G. H. Wise, M. J. Caldwell, and J. S. Hughes 616

The Low Therapeutic Activity of Penicillin K Rela-
tive to That of Penicillins F, G, and X, and Its
Pharmacological Basis:
Harry Eagle and Arlyne Muselman 618

Direct Culture of Rheumatic Virus:
Ward J. Mac Neal, et al. 620

NEWS AND NOTES 621

IN THE LABORATORY
The Lifwynn Eye-movement Camera: Hans Syv 628

Inactivation of Penicillin by Zinc Salts:
Hans Eiwer and Bernardo Porzecanski 629

A Note on Staining Plasmodia: A. W. Ratcliffe 630

LETTERS TO THE EDITOR
The Fluorescence of Radium Burns: Jack De Ment 631

Interesting Observations in Dissections of the
Frog: James A. Mollen 632

The Plainview, Texas, Fossil Bison Quarry:
E. H. Sellards 632

On 'The Rumbling of Thunder': J. Hollie Cross 632

A New and Effective Hemostatic Agent:
Clifton A. H. Smith 634

Actualités Medico-chirurgicales: Harold F. Blum 634

Note on the 'Purple' Test for Alloxan:
R. Stuart Tipson and J. A. Ruben 634

The Record and the Metric System:
Arthur Bessey Smith 634

The Use of Aircraft for Oceanographic Surveys:
Lorin J. Mullins and Walter J. Nickerson 635

Notice About Sending Reprints to Austria:
F. Fromm 635

BOOK REVIEWS
The heating of steel: M. H. Mawhinney.
Reviewed by A. L. Fiedl 636

Handbook of nonferrous-metallurgy. Pt. II: Re-
covery of the metals: Donald M. Liddell.
Reviewed by Ben H. Alexander 636

Communications relative to advertising should be addressed
to Theo. J. Christensen, Massachusetts and Nebraska Ave-
nes, Washington 16, D. C.

Communications relative to membership in the Association
and to all matters of business of the Association should be
addressed to the Permanent Secretary, A.A.A.S., Smithsoni-
an Institution Building, Washington 25, D. C.

Annual subscription, $6.00 Single copies, 15 cents

Entered as second-class matter July 18, 1923 at the Post Office at Lancaster, Pa., under the Act of March 3, 1879.
Science 103 (2681), 605-636.