Table of Contents

Protein and Nucleic Acid Conference:
E. R. Blout and Paul M. Doty ...................... 639

Technical Papers
Effect of X-Irradiation in Oxygen
and in Hydrogen at Normal and Positive
Pressures on Chromosome Aberration
Frequency in Tradescantia Microspores:
Norman H. Giles, Jr., and Alvin V. Beatty ..... 643
Detection of Internally-borne Bacterial
Pathogens of Beans by a Rapid Phage-Plaque
Count Technique: H. Katznelson .................. 645
Potentiation of Muscular Contraction
by the Nitrate-Ion:
Arthur J. Kahn and Alexander Sandow ...... 647
The Mechanism of Action of Organic
Mercury Compounds on Cytochrome Oxidase:
Sister M. Angelice Seibert,
Cornelius W. Kreke, and Elton S. Cook ..... 649
Differentiation of Bacterial Species and
Variation within Species by Means of
2,3,5-Triphenyltetrazolium Chloride in
Culture Medium: I. Forest Huddleson
and Betty Baltzer ............... 651
Obligate Autotrophy in Chlamydomonas
Moewusii Gerloff: Joyce Chessmore Lewin ... 652
A Coenzyme of Spleen β-Glucuronidase:
Peter Bernfeld and William H. Fishman ..... 653
C¹⁴ Labeled 4(5)-Amino-5(4)-Imidazole-
carboxamide in the Biosynthesis of
Purines: C. S. Miller, S. Gurin,
and D. W. Wilson .................................. 654
An Improved Water Separator:
Richard N. Blomberg and William F. Bruce .... 655

Comments and Communications
Scientific Ethics: Max C. Markley ................. 656
The Use of Sodium Propionate in Isolating
Actinomyetes from Soils: Patricia Crook,
C. C. Carpenter, and Paul F. Klens .......... 656

Book Reviews
The Biology of Human Starvation:
Aneel Keys et al. Reviewed by
A. J. Carlson and F. Hoelzel .............. 657
A Geography of Europe:
Jean Gottmann. Reviewed by
Ralph E. Olson .................................. 657
Gray's Manual of Botany, 8th ed.:
Revised by Merritt Lyndon Fernald.
Reviewed by H. H. Bartlett .......... 658
Biological Actions of Sex Hormones:
Harold Burrows. Reviewed by
M. X. Zarrow .................................. 660

Scientific Book Register .................. 660

News and Notes
Conference on Ionospheric Physics:
Clinton H. Grace ............................. 661

Purines: C. S. Miller, S. Gurin,
and D. W. Wilson .................................. 654
An Improved Water Separator:
Richard N. Blomberg and William F. Bruce .... 655

Comments and Communications
Scientific Ethics: Max C. Markley ................. 656
The Use of Sodium Propionate in Isolating
Actinomyetes from Soils: Patricia Crook,
C. C. Carpenter, and Paul F. Klens .......... 656

Book Reviews
The Biology of Human Starvation:
Aneel Keys et al. Reviewed by
A. J. Carlson and F. Hoelzel .............. 657
A Geography of Europe:
Jean Gottmann. Reviewed by
Ralph E. Olson .................................. 657
Gray's Manual of Botany, 8th ed.:
Revised by Merritt Lyndon Fernald.
Reviewed by H. H. Bartlett .......... 658
Biological Actions of Sex Hormones:
Harold Burrows. Reviewed by
M. X. Zarrow .................................. 660

Scientific Book Register .................. 660

News and Notes
Conference on Ionospheric Physics:
Clinton H. Grace ............................. 661

Purines: C. S. Miller, S. Gurin,
and D. W. Wilson .................................. 654
An Improved Water Separator:
Richard N. Blomberg and William F. Bruce .... 655

Comments and Communications
Scientific Ethics: Max C. Markley ................. 656
The Use of Sodium Propionate in Isolating
Actinomyetes from Soils: Patricia Crook,
C. C. Carpenter, and Paul F. Klens .......... 656

Book Reviews
The Biology of Human Starvation:
Aneel Keys et al. Reviewed by
A. J. Carlson and F. Hoelzel .............. 657
A Geography of Europe:
Jean Gottmann. Reviewed by
Ralph E. Olson .................................. 657
Gray's Manual of Botany, 8th ed.:
Revised by Merritt Lyndon Fernald.
Reviewed by H. H. Bartlett .......... 658
Biological Actions of Sex Hormones:
Harold Burrows. Reviewed by
M. X. Zarrow .................................. 660

Scientific Book Register .................. 660

News and Notes
Conference on Ionospheric Physics:
Clinton H. Grace ............................. 661

Purines: C. S. Miller, S. Gurin,
and D. W. Wilson .................................. 654
An Improved Water Separator:
Richard N. Blomberg and William F. Bruce .... 655

Comments and Communications
Scientific Ethics: Max C. Markley ................. 656
The Use of Sodium Propionate in Isolating
Actinomyetes from Soils: Patricia Crook,
C. C. Carpenter, and Paul F. Klens .......... 656

Book Reviews
The Biology of Human Starvation:
Aneel Keys et al. Reviewed by
A. J. Carlson and F. Hoelzel .............. 657
A Geography of Europe:
Jean Gottmann. Reviewed by
Ralph E. Olson .................................. 657
Gray's Manual of Botany, 8th ed.:
Revised by Merritt Lyndon Fernald.
Reviewed by H. H. Bartlett .......... 658
Biological Actions of Sex Hormones:
Harold Burrows. Reviewed by
M. X. Zarrow .................................. 660

Scientific Book Register .................. 660

News and Notes
Conference on Ionospheric Physics:
Clinton H. Grace ............................. 661
Science 112 (2918), 639-664.