

# APPLIED MICROBIOLOGY

Volume 29

Contents for June

Number 6

## General Microbial Ecology

- Basis for the Resistance of Several Algae to Microbial Decomposition. DOUGLAS GUNNISON AND MARTIN ALEXANDER\* ..... 729
- Ultrastructure of Cell Envelopes of Bacteria of the Bovine Rumen. K.-J. CHENG\* AND J. W. COSTERTON ..... 841

## Applied Environmental and Public Health Microbiology

- Inhibition of Phenylamide Hydrolysis by *Bacillus sphaericus* with Methylcarbamate and Organophosphorus Insecticides. G. ENGELHARDT AND P. R. WALLNÖFER\* .. 717
- Degradation of Benzothiophene and Related Compounds by a Soil *Pseudomonas* in an Oil-Aqueous Environment. FERMÍN SAGARDÍA,\* JUAN J. RIGAU, AGNES MARTÍNEZ-LAHOZ, FRANCISCO FUENTES, CARMEN LÓPEZ, AND WALDEMAR FLORES ..... 722
- Demonstration of Virus in Groundwater after Effluent Discharge into Soil. FLORA MAE WELLINGS,\* ARTHUR L. LEWIS, CARROL W. MOUNTAIN, AND L. VIRGINIA PIERCE ..... 751
- Biodegradation of Metal-Nitrilotriacetate Complexes by a *Pseudomonas* Species: Mechanism of Reaction. MARY K. FIRESTONE AND JAMES M. TIEDJE\* ..... 758
- Degradation of Ethylenediaminetetraacetic Acid by Microbial Populations from an Aerated Lagoon. R. T. BELLY,\* J. J. LAUFF, AND C. T. GOODHUE ..... 787
- Potential Pathogens in the Environment: Cultural Reactions and Nucleic Acid Studies on *Klebsiella pneumoniae* from Clinical and Environmental Sources. RAMON J. SEIDLER,\* MARTIN D. KNITTEL, AND CAROL BROWN ..... 819
- Membrane Filter Procedure for Enumerating the Component Genera of the Coliform Group in Seawater. A. P. DUFOUR\* AND V. J. CABELLI ..... 826
- Influence of Colloidal Iron on the Respiration of a Species of the Genus *Acinetobacter*. I. C. MAC RAE\* AND JOVENIA S. CELO ..... 837
- Thermal Profile of a *Bacillus* Species (ATCC 27380) Extremely Resistant to Dry Heat. WALTER W. BOND\* AND MARTIN S. FAVERO ..... 859

## Food Microbiology and Toxicology

- Arylamidase Activity of *Salmonella* Species. J. P. SHEAHAN, R. R. EITENMILLER, AND J. A. CARPENTER\* ..... 726
- Comparative Inhibitory Effects of Antigen and Antibody in the Staphylococcal Enterotoxin Solid-Phase Radioimmunoassay System. J. A. BUKOVIC, H. M. JOHNSON,\* AND J. T. PEELER ..... 765
- Stability of <sup>125</sup>I-Labeled Staphylococcal Enterotoxins in Solid-Phase Radioimmunoassay. PETER E. KAUFFMAN\* AND HOWARD M. JOHNSON ..... 776
- Microflora and Invert Sugars in Juice from Healthy Tissue of Stored Sugarbeets. W. M. BUGBEE,\* D. F. COLE, AND G. NIELSEN ..... 780
- Death of *Staphylococcus aureus* in Liquid Whole Egg Near pH 8. HENRY NG\* AND JOHN A. GARIBALDI ..... 782
- Salmonella* Survival on Pecans as Influenced by Processing and Storage Conditions. L. R. BEUCHAT\* AND E. K. HEATON ..... 795
- Microflora of Maize Prepared as Tortillas. EDWARD CAPPARELLI\* AND LEONARDO MATA ..... 802

Continued on following page

Continued from preceding page

Improved Medium for Lactic Streptococci and Their Bacteriophages. BETTY E. TERZAGHI* AND W. E. SANDINE .....	807
Method for Detecting Small Numbers of <i>Vibrio cholerae</i> in Very Polluted Substrates. I. SECHTER, CH. B. GERICHTER,* AND D. CAHAN .....	814
Incidence of Molds on Pecan Nuts at Different Points During Harvesting. L. R. BEUCHAT .....	852
Laboratory Method for Fermentation of Meat and Poultry Sausages in Fibrous Casings. MICHAEL G. JOHNSON* AND JAMES C. ACTON .....	855
Radiation Resistance of Spores of Some <i>Clostridium perfringens</i> Strains. WALTER J. CLIFFORD AND ABE ANELLIS* .....	861
Isolation and Identification of a Genus, <i>Chromobacterium</i> , Not Previously Found on Processed Poultry. N. A. COX .....	864
<b>Mycotoxins</b>	
Production of Aflatoxin on Soybeans. S. K. GUPTA AND T. A. VENKITASUBRAMANIAN* .....	834
Production of Aflatoxin M in a Liquid Medium. M. RAMACHANDRA PAI, N. JAYANTHI BAI, AND T. A. VENKITASUBRAMANIAN* .....	850
Tremorgenic Mycotoxins from <i>Aspergillus caespitosus</i> . H. W. SCHROEDER,* R. J. COLE, H. HEIN, JR., AND J. W. KIRKSEY .....	857
<b>Metabolism and Products</b>	
Comparison of the Survival and Metabolic Activity of Psychrophilic and Mesophilic Yeasts Subjected to Freeze-Thaw Stress. EDWARD D. MEYER, NORVAL A. SINCLAIR,* AND BARTHOLOMEW NAGY .....	739
Properties of D-Xylose Isomerase from <i>Streptomyces albus</i> . SERGIO SANCHEZ* AND KARL L. SMILEY .....	745
Extracellular Polysaccharide from the Black Yeast NRRL Y-6272: Improved Methods for Preparing a High-Viscosity, Pigment-Free Product. PAUL A. SANDFORD, KERMIT A. BURTON, PAUL R. WATSON, MARTIN C. CADMUS, AND ALLENE JEANES .....	769
<b>Disinfectants</b>	
Semiautomated Microbiological Method for the Assay of Quaternary Ammonium Compounds. T. M. BERG .....	713
<b>Erratum</b>	
Violet Red Bile 2 Agar for Stressed Coliforms. PAUL A. HARTMAN, PHILIP S. HARTMAN, AND WAYNE W. LANZ .....	865

\* Asterisk refers to person to whom inquiries regarding the paper should be addressed.