

# JOURNAL OF BACTERIOLOGY

## Contents for September

Differentiation of Brucellae by the Aid of Phages. JÓZEF PARNAS.....	319-325
<i>Debaryomyces phaffii</i> Sp. N., a New Yeast Isolated from a Finnish Soil. AUGUSTO CAPRIOTTI.....	326-330
Behavior of Bacterial Spores in Aqueous Polymer Two-Phase Systems. L. E. SACKS AND GORDON ALDERTON.....	331-341
Lysis of Brucellae by the Combined Action of Glycine and a Lysozyme-like Agent from Rabbit Monocytes. DORIS J. RALSTON, B. S. BAER, AND S. S. ELBERG....	342-353
Glutamic Decarboxylase of Ergot, <i>Claviceps purpurea</i> . JOHN A. ANDERSON, VERNON H. CHELDELIN, AND TSOO E. KING.....	354-358
<i>Hansenula wickerhamii</i> Sp. N., a New Yeast from Finnish Soil. AUGUSTO CAPRIOTTI	359-360
Competitive Relationship between Protocatechuic Acid and <i>p</i> -Aminosalicylic Acid for a Cellular Transport Mechanism. JERRY S. HUBBARD AND NORMAN N. DURHAM.....	361-369
Fatty Acid Metabolism in <i>Serratia marcescens</i> . I. Oxidation of Saturated Fatty Acids by Whole Cells. D. G. BISHOP AND J. L. STILL.....	370-375
Pathway for the Dissimilation of Itaconic and Mesaconic Acids. VERNON BRIGHTMAN AND WILLIAM R. MARTIN.....	376-382
Factors Affecting Aspartase Activity. ROBERT H. DEPUE AND ALBERT G. MOAT...	383-386
Metabolic Characterization of the Genus <i>Brucella</i> . I. Statistical Evaluation of the Oxidative Rates by Which Type I of Each Species Can Be Identified. MARGARET E. MEYER AND H. S. CAMERON.....	387-395
Metabolic Characterization of the Genus <i>Brucella</i> . II. Oxidative Metabolic Patterns of the Described Biotypes. MARGARET E. MEYER AND H. S. CAMERON...	396-400
Metabolic Characterization of the Genus <i>Brucella</i> . III. Oxidative Metabolism of Strains That Show Anomalous Characteristics by Conventional Determinative Methods. MARGARET E. MEYER.....	401-410
Action of Penicillin on <i>Aerobacter cloacae</i> . W. B. HUGO AND A. D. RUSSELL.....	411-417
Large Cell Stage in the Genus <i>Bacillus</i> . ROY M. JOHNSON.....	418-424
Isolation and Characterization of Deoxyribonucleic Acid from a Strain of <i>Staphylococcus aureus</i> . HANS BLOBEL.....	425-429
Some Factors Which Affect the Initiation of Growth of <i>Cryptococcus neoformans</i> . DEXTER H. HOWARD.....	430-435
Method for the Selection of Bacteria that Synthesize Uronic Acid-Containing Polysaccharides. ALVIN MARKOVITZ.....	436-441
Formation of Nitrite and Nitrate by Actinomycetes and Fungi. P. HIRSCH, L. OVERREIN, AND M. ALEXANDER.....	442-448
Growth of Venezuelan Equine Encephalomyelitis Virus in L Cells. II. Growth in Submerged Culture. FRANK M. HARDY AND ARTHUR BROWN.....	449-457
NOTE:	
Improved Method for Titration of Influenza Virus Hemagglutinin in the Lungs of Infected Mice. J. M. BOWEN AND K. S. PILCHER.....	458-459
Instructions to Authors.....	3-4