

# CONTENTS

June 1979, Vol. 58, No. 6

## CLINICAL SCIENCE

- 1562 Possible Influence of Fluoridation on Tooth Crown Size – D. H. GOOSE and E. E. ROBERTS  
1564 Changes in Salivary pH After Ingestion of Sorbitol Tablets Containing Various Food Acidulants – CARL J. KLEBER, MARK S. PUTT, and JOSEPH C. MUHLER  
1566 Surface Morphologies of Chemically Treated Hydroxyapatite – P. L. FAN, W. J. O'BRIEN, and M. C. WALKER IV  
1570 The Pin Retained Palatal Prosthesis and Its Influence on the Dentition – RONALD J. JORGENSEN, CARLOS F. SALINAS, and HAROLD HIRSCH

## MATERIALS SCIENCE

- 1572 The Chloride Corrosion Behavior of Silver-base Casting Alloys – N. K. SARKAR, R. A. FUYS, JR., and J. W. STANFORD  
1578 Detection of Soluble Species Produced During Anodic Polarization of Dental Amalgam by Rotating Ring-disc Electrode – H. DO DUC and P. TISSOT  
1581 A Hydrophilic Denture Base Resin – M. J. BARSBY and M. BRADEN  
1585 The Quantitative Measurement of the Opacity of Aesthetic Dental Filling Materials – STEPHEN CRISP, GRAHAM ABEL and ALAN D. WILSON  
1597 Studies on the Sm-Co Magnet as a Dental Material – HIDEO TSUTSUI, YOHSUKE KINOCHI, HIDEKI SASAKI, MASAHISA SHIOTA, and TOMIYUKI USHITA  
1607 Glass Ionomer Cement Formulations: I. The Preparation of Novel Fluoroaluminosilicate Glasses High in Fluorine – BRIAN E. KENT, BRIAN G. LEWIS, and ALAN D. WILSON

## BASIC BIOLOGICAL SCIENCES

- 1620 A Method for Detection of Complement Cleavage in Gingival Fluid – MARK R. PATTERS, HARVEY A. SCHENKEIN, and ARTHUR WEINSTEIN  
1625 The Nature of Covalent Complexes of Phosphoproteins with Collagen in the Bovine Dentin Matrix – JEAN CURLEY-JOSEPH and ARTHUR VEIS  
1634 A Comparison of the Effects of Endotoxin Upon Fibroblast Proliferation and Macromolecular Syntheses – R. E. SINGER and W. G. DUTTON  
1640 The Concentrations of Free Fatty Acids, Triglycerides and Phospholipids in Submandibular Salivary Glands of Rats in Essential Fatty Acid Deficiency – SYED Q. ALAM and BASSIMA S. ALAM  
1644 Polyamine Metabolism in Isoproterenol-stimulated Mouse Salivary Glands – NORMAN F. NELSON, K. BIRGITTA BROWN, DOUGLAS D. DOUTHIT, SINA GHATAN, and DAVID G. BROWN  
1652 Resolution of Gingivitis in Dogs Following Topical Applications of 0.4% Stannous Fluoride and Toothbrushing – JANET HOCK and NORMAN TINANOFF

## ANNOTATIONS

- 1654 Effect of  $FeF_2$  and  $FeF_3$  on the Dissolution Rate of Bovine Enamel – G. G. CRAIG  
1655 Craniofacial Morphology of the Underbite Trait in *Presbytis* – JOYCE E. SIRIANNI

ANNOUNCEMENTS, 1563, 1571, 1577, 1596

INSTRUCTIONS TO AUTHORS, 1656