



Journal of  
the American  
Association of  
Clinical Chemists

# clinical chemistry

## 1 INFORMATION FOR AUTHORS

- 5 **REVIEW: Diagnostic Value of Urinary Enzyme Determinations**  
Wolfgang P. Raab

- 26 **GUEST EDITORIAL: General Problems for Clinical Laboratory Automation**  
Robert S. Melville and Thomas D. Kinney

- 34 **Determination of Plasma  $\alpha$ -Amino Nitrogen by Atomic Absorption Spectrophotometry**  
Frank F. Hall, Barbara Schneider, Thomas W. Culp, and Charles R. Ratliff

- 37 **Manual and Automated Determination of Immunoglobulins in Unconcentrated Cerebrospinal Fluid**  
J. Savory, M. G. Heintges, L. M. Killingsworth, and J. M. Potter

- 43 **Sephadex Adsorption of Bilirubin from Neonatal and Adult Serum**  
J. Kapitulnik, S. H. Blondheim, and N. A. Kaufmann

- 48 **Determination of SMA-Mark X Set Points for Bilirubin by Standard Addition Technique**  
Ronald H. Laessig, Thomas H. Schwartz, and Thomas A. Paskey

- 52 **Albumin Quantitation by Dye Binding and Salt Fractionation Techniques**  
Don S. Miyada, Vernon Baysinger, Solomon Notrica, and R. M. Nakamura

- 57 **Estimation of Normal Ranges from a Controlled Sample Survey. I. Sex- and Age-Related Influence on the SMA 12/60 Screening Group of Tests**  
A. H. Reed, D. C. Cannon, J. W. Winkelman, Y. P. Bhasin, R. J. Henry, and V. J. Pileggi

- 67 **Measurement and Distribution of Zinc, Cadmium, and Mercury in Human Kidney Tissue**  
Hugh D. Livingston

## SCIENTIFIC NOTES

- 73 **Clinical Nephelometry: 1. New, Accurate, Heat-Precipitation Nephelometric Method for Rapid Determination of Plasma Fibrinogen**

Eugene W. Rice and D. E. R. Muesse

- 75 **Screening of 563 Students for Cholinesterase Variants**  
Charles E. Becker

- 77 **Plasma Calcium Assay, with Use of the Jellyfish Protein, Aequorin, as a Reagent**  
K. T. Izutsu and S. P. Felton

## 81 THE CLINICAL CHEMIST

J. S. King, Jr.

## 91 BOOK REVIEWS

Clara Heise, Joseph F. Contrera, Robert W. Prichard, and John A. Lott

## LETTERS

- 93 **Preparation of Sodium Thymolphthalein Monophosphate, an Economical Substrate for Measurement of Alkaline and Acid Phosphatase Activities**  
Gary J. Proksch

- 94 **"Phosphorylatable Buffers" for Serum Alkaline Phosphatase**  
Elias Amador