



**AgEcon** SEARCH  
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search  
<http://ageconsearch.umn.edu>  
[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

## STAFF OF THE INSTITUTE

William O. Jones  
*Director*

Helen C. Farnsworth  
*Professor*

John O. Coppock  
*Senior Research Associate*

Roger W. Gray  
*Professor*

Jacques J. Dumont  
*Research Associate*

Richard J. Hammond  
*Professor*

Karen J. Friedmann  
*Research Associate*

Bruce F. Johnston  
*Professor*

John A. Jamison  
*Research Associate*

William O. Jones  
*Professor*

Klaus Poser  
*Research Associate*

S. Daniel Neumark  
*Professor*

Arndt Uhlig  
*Research Associate*

A. M. M. McFarquhar  
*Visiting Assistant Professor*

Rosamond H. Peirce  
*Associate Statistician*

James O. Bray  
*Research Associate*

Charles C. Milford  
*Librarian*

### *Emeritus Professors*

Merrill K. Bennett

E. Louise Pepper

Karl Brandt

Vladimir P. Timoshenko

Joseph S. Davis

Vernon D. Wickizer

Holbrook Working

## FOOD RESEARCH INSTITUTE SEPARATES

Reprints of the following articles from volumes I-III of Food Research  
Institute Studies are still available.

- |   |               |
|---|---------------|
| ECONOMIC MAN IN AFRICA. William O. Jones. (1960).   | 28 pp. \$1.00 |
| "FOOD FOR PEACE." Joseph S. Davis. (1960).  | 16 pp. gratis |
| SPECULATION ON HEDGING MARKETS. Holbrook Working. (1960).   | 36 pp. \$1.00 |
| MEASUREMENT OF A RANDOM PROCESS IN FUTURES PRICES. Arnold B. Larson.<br>(1960).   | 12 pp. \$1.00 |
| TOWARD POSITIVE POLICIES FOR AMERICAN AGRICULTURE. Boris C. Swerling.<br>(1960).  | 10 pp. \$1.00 |
| THE RELATIONSHIP AMONG THREE FUTURES MARKETS: An Example of the Importance of Speculation. Roger W. Gray. (1961).   | 12 pp. \$1.00 |
| BENEFIT-COST ANALYSIS AND WATER-POLLUTION CONTROL IN THE UNITED STATES: A Note. R. J. Hammond. (1961).  | 8 pp. gratis  |
| THE FOOD ECONOMIES OF URBAN MIDDLE AFRICA: The Case of Ghana. Thomas T. Poleman. (1961).  | 58 pp. \$1.50 |
| DEFECTS, USES, AND ABUSES OF NATIONAL FOOD SUPPLY AND CONSUMPTION DATA. Helen C. Farnsworth. (1961).  | 24 pp. \$1.00 |
| ESTIMATION OF HEDGING AND SPECULATIVE POSITIONS IN FUTURES MARKETS. Arnold B. Larson. (1961).   | 10 pp. \$1.00 |
| URBAN FOOD EXPENDITURE PATTERNS IN TROPICAL AFRICA. Hiromitsu Kaneda and Bruce F. Johnston. (1961).   | 46 pp. \$1.00 |
| COMMUNES AND THE AGRICULTURAL CRISIS IN COMMUNIST CHINA. Philip P. Jones and Thomas T. Poleman. (1962).   | 20 pp. \$1.00 |
| THE SEASONAL PATTERN OF WHEAT FUTURES PRICES UNDER THE LOAN PROGRAM. Roger W. Gray. (1962).   | 12 pp. \$1.00 |
| CONSUMPTION OF EXOTIC CONSUMER GOODS AS AN INDICATOR OF ECONOMIC ACHIEVEMENT IN TEN COUNTRIES OF TROPICAL AFRICA. William O. Jones and Christian Mérat. (1962). | 28 pp. \$1.00 |
| AGRICULTURAL PRODUCTIVITY IN THE UNITED STATES: 1870-1960. Charles O. Meiburg and Karl Brandt. (1962).  | 25 pp. \$1.00 |
| AGRICULTURAL CHANGE IN UGANDA: 1945-1960. G. B. Masefield. (1962).  | 37 pp. \$1.50 |
| FOOT-AND-MOUTH DISEASE IN UNITED STATES POLICY. E. Louise Pepper. (1962).   | 42 pp. \$1.00 |
| BRITISH WARTIME FOOD CONTROL: SOME ADDENDA TO AN OFFICIAL HISTORY. Richard J. Hammond. (1962).  | 12 pp. gratis |
| AN AGROCLIMATIC MAPPING OF AFRICA. Merrill K. Bennett. (1962).  | 22 pp. \$1.00 |
| NONFARM INPUTS AS A SOURCE OF AGRICULTURAL PRODUCTIVITY. Charles O. Meiburg. (1962).  | 6 pp. \$1.00  |
| AGRICULTURAL DEVELOPMENT AND ECONOMIC TRANSFORMATION: A Comparative Study of the Japanese Experience. Bruce F. Johnston. (1962).                                | 53 pp. \$1.00 |
| A NEW ESTIMATE OF THE NATIONAL INCOME AND PRODUCT OF CUBA IN 1953. Harry T. Oshima. (1961).   | 16 pp. \$1.00 |