

# JOURNAL OF THE NORTHEASTERN AGRICULTURAL ECONOMICS COUNCIL

## Volume VII, Number I April, 1978

Dale Colyer, Editor

#### EDITORAL BOARD

Filmore Bender, Maryland Joachim Elterich, Delaware Sidney Ishee, Maryland Earl Partenheimer, Pennsylvania Leslie Small, New Jersey Jerome Stam, ESCS, USDA Donald Tobey, Johnson State College Silas Weeks, New Hampshire

#### **COUNCIL OFFICERS**

PRESIDENT PRESIDENT-ELECT SECRETARY-TREASURER Gerald Cole, University of Delaware Johannes Delphandahl, Maine Mary Templeton, West Virginia University

#### **EXECUTIVE COMMITTEE**

R. A. Andrews, New Hampshire Alan R. Bird, USDA Johannes Delphandahl, Maine Carlton C. Dennis, Agway Raymond Farrish, Connecticut Olan Forker, Cornell John H. Foster, Massachusetts T. Campbell Gunn, Nova Scotia Darrell L. Hueth, Rhode Island A. R. Koch, Rutgers Billy V. Lessley, Maryland John Malone, Pennsylvania Kenneth McIntosh, West Virginia Robert Sinclair, Vermont Raymond C. Smith, Delaware

The JNAEC is the official publication of the Northeastern Agricultural Economics Council (NAEC). The purpose of the Journal is to foster and disseminate professional thought and literature relating to the economics of agriculture, natural resources and community development. It is published twice a year—one issue is the proceedings of the annual meeting and the other is for refereed contributed papers.

Membership to NAEC is open to all persons having an interest in agricultural economics. Membership dues include subscription to the JNAEC and are \$5.00 per year regular and \$3.00 per year student. All other subscriptions are \$5.00 per year. Single copy prices are \$2.50 per issue.

Address all editorial material to Dale Colyer, Division of Resource Management, West Virginia University, Morgantown, West Virginia 26506. Address requests for membership, subscriptions, changes of address to Mary Templeton, Division of Resource Management, West Virginia University, Morgantown, West Virginia 26506

## **JOURNAL OF THE**

NORTHEASTERN AGRICULTURAL ECONOMICS COUNCIL

Volume VII, Number 1

April, 1978

## CONTENTS

## ARTICLES

The Profitability of Agricultural Loans by Commercial Banks   Eddy LaDue, Jerry Moss, and Robert Smith.   1
Causes of Low Returns to Farm Labor in the United States: An Analysis of Factor Market Interactions Bert Mason
Water-Rail Rate Competition and the Competitive Position of the Northeastern Poultry Industry Walter Spilka, Jr., David Kevyon, and Leonard Shabman
A Spatial Analysis of Western New York Corn Prices Steven K. Riggins
Coverage of Agricultural Workers Under the Unemployment Compensation Amendment of 1976 Joachim Elterich
Optimal Mix for Land Application of Municipal Wastewater C. Edwin Young, Edward B. Bradley, and Donald J. Epp
Fiscal Impacts of Changes in Population Size and Composition on Local Government in Nonmetropolitan Areas of the Northeast William F. Fox and Patrick J. Sullivan
An Application of the Bishop-Simpson Method: A Shift-Share Variant Bruce E. Lindsay and Susan E. Martin
A Mail/Telephone Technique for Collecting Primary Data Richard W. Smith, Jon M. Conrad and David A. Storey
Multicollinearity: Effects, Symptoms, and Remedies Cleve E. Willis and Robert D. Perlack, et. al
Alternative Representations of Dummy Variables and Their Interpretations   John P. Kuehn and E. James Harner   63
NOTES AND COMMENTS

Comment on "Accounting for the Social Benefits and Costs of Development Rights Purchase Programs"	
Edward C. Gray	'1
Editor's Note	3