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AGRICULTURAL ECONOMICS RESEARCH, 1977 JANUARY; VOL.29, NO.1. Washington, DC: Economic USDA/AE RESEARCH Research Service.

V29 N1 JAN 77

(NAL Call No.:(Ec7Agr))

## AGRICULTURAL ECONOMICS RESEARCH

A JOURNAL OF THE
U.S. DEPARTMENT OF AGRICULTURE
ECONOMIC RESEARCH SERVICE

**JANUARY 1977 VOL. 29 NO. 1** 

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$$\stackrel{.}{=} 1 + b + b^{2}$$

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$$\stackrel{.}{=} 1 + b + b^{2} + b^{3} + b^{4}$$

$$\stackrel{.}{=} 1 + b + b^{2} + b^{3} + b^{4} \dots + b^{n} \dots$$

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A Journal of Economic and S	Statistical Research in the
United States Department of	Agriculture and Cooper-
ating Agencies	

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Contents	Page
In This Issue	. 18
The Effects of Real Multiplier Versus Relative Price Changes on Output and Income Generation in Input-Output Models  Gene K. Lee and Gerald E. Schluter	. 1
Criteria for Critiquing Social Science Computer Models with Application to Barr-Gale Model for Consumer Price Index of Food  Howard Morland, Narasimhan P. Kannan, and Dennis L. Meadows	. 7
An Approach to Unique Solutions for Constant- Elasticity Commodity Models	. 15
Research Review  The Human Economy, reviewed by Robert Coltrane  Encyclopedia of American Agricultural  History, reviewed by Wayne Rasmussen  Measuring Economic and Social Performance:  New Theory, New Methods, New Data,  Karl A. Fox  Appraising the Economic Performance of the Food Industry, George E. Brandow  American Farm Policy 1948-73, reviewed by Rex F. Daly  Economics of the Product Markets of Agriculture, reviewed by Richard L. Kohls  World Food Problems and U.S. Agriculture, D. Gale Johnson  Interpreting Price Elasticities from Panel Data, William T. Boehm, Joseph Havlicek, Jr.,	. 19
and Emerson M. Babb  Some Historical Notes on the Farm Definition, David E. Brewster	