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## PUBLICATIONS OF THE FOOD RESEARCH INSTITUTE: 1959-1965

In February 1960, the Food Research Institute resumed publication of a regular periodical, *Food Research Institute Studies*, which appears three times a year as a regular vehicle for the major research products of its staff. Its earlier periodical, *Wheat Studies of the Food Research Institute*, had contained a substantial portion of the work of the staff from 1924 to 1944. Since 1960 a major share of the Institute's research articles and monographs have appeared in *Studies*, but a significant part of staff research has also been reported in professional, mostly economic, journals and as books or parts of books.

The present list includes all publications of the Institute and its staff other than addresses, notes, and reviews, for the period 1959 to 1965. Individual copies of many of the articles that have appeared in *Studies* have also been made available separately. Unless otherwise indicated, books, pamphlets, issues of *Food Research Institute Studies*, and reprints should be ordered from the Institute. Unfortunately, a number of earlier studies are no longer available—these are marked with an asterisk (\*). Studies only available as part of the book or journal in which they appear are marked with a dagger (†).

### PUBLICATIONS OF 1959

#### BOOKS

#### MANIOC IN AFRICA

William O. Jones. 313 pp. \$6.75  
Food Research Institute Studies in Tropical Development, No. 2. (Order from Stanford University Press, Stanford, Calif.)

Manioc—Africa: Land, Climate, and People—Introduction and Spread of Manioc—Contemporary Methods of Cultivation—Methods of Preparation—Congo—Guinea: Production—Guinea: Consumption and Trade—East Africa—Manioc in a Developing Economy—Appendix Notes.

#### OTHER PUBLICATIONS

†“The Isoline of Ninety Frost-Free Days in Canada.” Merrill K. Bennett. *Economic Geography*, January 1959, pp. 41-50.

- †“Tropical Africa: Growing Market for Wheat and Flour.” Bruce F. Johnston. *Foreign Agriculture*, January 1959, pp. 3-5, 22.  
Local Wheat Production—Consumption Trends—Government Import Policies—Prospects.
- The Outlook for Wheat and Flour Imports in Tropical Africa.* Bruce F. Johnston. (U.S. Dept. Agr., For. Serv. FAS-M-48, February 1959, 34 pp.) (Order from Foreign Agricultural Service, U.S. Dept. Agriculture, Washington 25, D.C.)  
Present Position of Wheat and Wheat Products—Government Policies and Restrictions on Wheat and Flour Imports—Future Outlook of Wheat and Flour Imports—Appendix Tables.
- †“The Role of Wheat in Improving Nutritional Status and Labor Productivity in Lesser Developed Countries.” Helen C. Farnsworth. *International Wheat Surplus Utilization. Conference Proceedings. Brookings, S. Dak.* (1959), 14 pp.  
Conditions Requisite to Relief of Undernourishment Through Exports of Surplus Wheat—Nutritional Value of Wheat as a Staple Food—Are More Food Calories and Protein Seriously Needed in the Underdeveloped Countries?—Protein Needs Specially Considered—Has U.S. Surplus Wheat Provided “Extra” Foodgrain for the Underfed?—Conclusions.
- †“Some Economic Development Problems of African Agriculture.” S. Daniel Neumark. *Journal of Farm Economics*, February 1959, pp. 43-50.  
Economic Issues—Incentives.
- †“Income Protection for Farmers: A Possible Approach.” Boris C. Swerling. *Journal of Political Economy*, April 1959, pp. 173-86.  
The Rudiments of Program Reform—A Program Proposal—Some Possible Objections—Unanswered Questions.
- Agriculture and Recent Economic Conditions: Experience and Perspective.* Boris C. Swerling. (Federal Reserve Bank of San Francisco, 1959, 56 pp.) (Order from Federal Reserve Bank of San Francisco, 400 Sansome St., San Francisco 20, Calif.)  
Introduction—Agriculture’s Position in the National Economy: The Long View—Agriculture and General Economic Conditions: Recent Fluctuations—The Economic Condition of American Farmers—Some Implications for Public Policy—Federal Agricultural Programs: Glossary of Terms—Selected Bibliography.
- †“Seasonal Hunger: A Vague Concept and an Unexplored Problem.” M. P. Miracle. *Proceedings of the 1958 Conference of the Nigerian Institute of Social and Economic Research* (Ibadan, 1959).
- †“Plateau Tonga Entrepreneurs in Historical Interregional Trade.” M. P. Miracle. *The Rhodes-Livingstone Journal* (Manchester), December 1959, pp. 34-49.  
Entrepreneurs of the Pre-European Economy—The Effects of European Colonization on Inter-Tribal Trade—Conclusion: A Hypothesis.

†“An Economic Appraisal of Kenya’s Maize Control.” M. P. Miracle. *East African Economics Review* (Nairobi), December 1959, pp. 117-25.

## PUBLICATIONS OF 1960

## FOOD RESEARCH INSTITUTE STUDIES

*Volume I**No. 1***\*PRICE EFFECTS OF FUTURES TRADING**

Holbrook Working. pp. 3-31  
Introduction—Extent of Possible Influence of Futures on Cash Prices—Average Seasonal Variation in Spot Prices of Onions—Intraseasonal Variability of Onion Prices—Summary and Conclusions.

**\*FOOD CROPS AND THE ISOLINE OF NINETY FROST-FREE DAYS IN THE UNITED STATES**

Merrill K. Bennett. pp. 32-48  
Basic Data and Procedure—Comparison of Mappings—Demographic and Agricultural Characteristics of Cold and Dry Zones—Apparent vs. Real Intrusions of Food Crops.

**\*THE SMALLHOLDER IN TROPICAL EXPORT CROP PRODUCTION**

Vernon D. Wickizer. pp. 49-99  
The Small-Scale Producer—Typical Smallholder Export Crops—Crops Least Suited to Smallholder Production—Satellite Production by Peasant Farmers—Mixed Production Patterns—Coffee: A Plantation Crop with a Smallholder Potential—Smallholders in the Plantation Economy of Indonesia—Some Concluding Observations.

**\*THE FARM POLICY DEBATE: DISCUSSION**

Boris C. Swerling. pp. 100-103

*No. 2***ECONOMIC MAN IN AFRICA**

William O. Jones. pp. 107-34 \$1.00  
Unorthodox Behavior Explained—Exchange—Price Response—Savings and Investment—Economic Man and Social Goals.

**“FOOD FOR PEACE”**

Joseph S. Davis. pp. 135-49 *gratis*

**THE ARGENTINE CATTLE INDUSTRY UNDER PERÓN**

E. Louise Peffer. pp. 151-84 \$1.00  
Official Steer Prices—Miranda and the Official Steer Prices—The Buenos Aires Meat Subsidy—Control Schemes for Cattle Markets—Test of the New Meat Law—Evasion of Marketing Controls—Change in Official Price Policy—The Crisis of Abundance.

## SPECULATION ON HEDGING MARKETS

- Holbrook Working. pp. 185-220 \$1.00  
 Relationship Between Speculation and Hedging—The Speculative Index and Its Use—Continuous Response of Speculation to Hedging—Summary—Technical Appendix.

## \*AMERICAN WHEAT EXPORTS, POLICIES, AND PROSPECTS

- Helen C. Farnsworth. pp. 221-81  
 Size, Destinations, and Character of Postwar Wheat Exports—Basic Features of “Special” vs. “Commercial” Exports—Characteristics and Economic Effects of Four Major Types of “Special” Exports—“Commercial” Exports and Price Policies—Outlook for the Coming Decade—Four Basic Elements for a New American Wheat Program.

## No. 3

## \*A WORLD MAP OF FOODCROP CLIMATES

- Merrill K. Bennett. pp. 285-95  
 Foodcrop and Non-Foodcrop Climates—The Highland Province—The Exceptional Summer-Drought Climate—Temperature Provinces in Regions of Warm-Seasonal Rainfall—Rainfall Levels Within Foodcrop Provinces—Relative Areas of the Climates.

## \*THE CHARACTERISTIC BIAS IN SOME THIN FUTURES MARKETS

- Roger W. Gray. pp. 296-312.  
 The Markets for Bran and Shorts—The Coffee Market—Other Markets.

## MEASUREMENT OF A RANDOM PROCESS IN FUTURES PRICES

- Arnold B. Larson. pp. 313-24. \$1.00  
 Recent Trends in Time-Series Analysis—The Theory of Anticipatory Prices—The Index of Continuity—Summary and Conclusions.

## TOWARD POSITIVE POLICIES FOR AMERICAN AGRICULTURE

- Boris C. Swerling. pp. 325-34. \$1.00  
 The Income Target—The Relief of Real Disabilities—The Concern for Social Justice—Cyclical Considerations—Incentives on the Farm—Matters of Agricultural Inputs—Efficiency of Administrative Control—International Commodity Policy—Concluding Remarks.

## \*THE NATURE OF AGRICULTURE'S CONTRIBUTIONS TO ECONOMIC DEVELOPMENT

- Bruce F. Johnston and John W. Mellor. pp. 335-56.  
 Introduction—The Growth of Demand for Agricultural Products—Population Growth—Income Elasticity of Demand for Food—Inflationary Impact of Food Shortages—Export and Industrial Crops—Increased Food Supplies and Health and Productivity—Agriculture in Relation to Capital Formation—Secular Decline of Agriculture and Economic Transformation—The Two-Sector Classical Growth Model—Economic Transformation and Capital Accumulation—Agriculture as a Source of Capital—Population Aspects—Conclusions.

## OTHER PUBLICATIONS

## BENEFIT-COST ANALYSIS AND WATER-POLLUTION CONTROL

Richard J. Hammond. 95 pp. \$1.00

The Benefit-Cost Controversy—Critique of Current Approach to Benefit-Cost Analysis—The Character of the Water-Pollution Problem—Applying the Analysis—Further Outlook—Bibliography—Appendix.

- †“Vertical Integration and Market Coordination.” Roger W. Gray. *Proceedings, Joint Conference of the Marketing Research Committee and Farm Management Committee of the Western Agriculture Economics Research Council, Reno, Nev., December 1959* (1960).
- †“Influences of Economic Trends on Administration.” Karl Brandt. *Monthly Bulletin* (U.S. Dept. Interior, Bur. Land Mgmt.), 1960, 10 pp.
- “The Farm Policy Debate: Discussion.” Boris C. Swerling. *Journal of Farm Economics*, May 1960, pp. 425-28.
- “Population Trends in Relation to Agriculture and Rural Society.” S. Daniel Neumark. In *Population in Africa . . .*, ed. by Frank Lorimer and Mark Karp (Boston, 1960), pp. 19-28.
- †“The Importance of Hedging in Futures Trading; and the Effectiveness of Futures Trading for Hedging.” Roger W. Gray. In *Futures Trading Seminar: History and Development*, by H. H. Brakken, R. W. Gray, T. A. Hieronymus, and A. B. Paul, Vol. I (Madison, Wisc., 1960), pp. 61-82.
- †“Comments on the Seven-Year Plan of Development of the National Economy of the Soviet Union.” Vladimir P. Timoshenko. *Report of the Second Conference of the Section of Economists at the Institute for Study of the U.S.S.R., 29-30 July, 1959* (Munich, 1960). (In Russian.)
- †“Some Aspects of Agricultural Development in the Tropics.” Vernon D. Wickizer. *Tropical Agriculture* (Trinidad), July 1960, pp. 163-75.
- †“Note on the Correlation on First Differences of Averages in a Random Chain.” Holbrook Working. *Econometrica*, October 1960, pp. 916-18.
- †“The Executive and Farm Policy.” Joseph S. Davis. *Annals of the American Academy of Political and Social Science*, Vol. 331, September 1960, pp. 92-97.  
Scope of the Discussion—Abundance and Superabundance—Executive Policy-Making—Need for Reappraisals—How Appraisals Might Be Made—Concluding Observations.

## PUBLICATIONS OF 1961

## FOOD RESEARCH INSTITUTE STUDIES

*Volume II**No. 1***\*FOOD AND AGRICULTURAL ECONOMIES OF TROPICAL AFRICA: A SUMMARY VIEW**

William O. Jones. pp. 4-20  
Composition and Quality of African Diets—Agriculture—The Economic Order.

**THE RELATIONSHIP AMONG THREE FUTURES MARKETS: AN EXAMPLE OF THE IMPORTANCE OF SPECULATION**

Roger W. Gray. pp. 21-32 \$1.00  
The General Relationship—The Exceptional Cases—Conclusions.

**\*STATE INTERVENTION IN THE ARGENTINE MEAT PACKING INDUSTRY, OCTOBER 1, 1946-DECEMBER 31, 1958**

E. Louise Peffer. pp. 33-73

**\*BENEFIT-COST ANALYSIS AND WATER-POLLUTION CONTROL IN THE UNITED STATES: A NOTE**

Richard J. Hammond. pp. 75-80  
A Historical Survey—Critique of Current Approach to Benefit-Cost Analysis—The Character of the Water-Pollution Problem—Applying the Analysis—Further Outlook.

*No. 2***\*AGRICULTURAL PRODUCTIVITY, ECONOMIC GROWTH, AND THE FARM POLICY MOTIVATION OF URBAN ELECTORATES**

Karl Brandt. pp. 83-93  
Continual Shift in Allocation of Human Resources—Voluntary Mobility of Labor—The Paradise-Lost Complex of Urban Electorates—Mechanization of a Great Transport Industry: Agriculture—Favorable Price-Cost Ratios—Capital Intensity the Key to Productivity.

**\*CHANGE IN THE AMERICAN NATIONAL DIET, 1870-1959**

Merrill K. Bennett and Rosamond H. Peirce. pp. 95-119  
Total Food Consumption (and Ingestion)—Change Among Commodity Groups—Components of Commodity Groups—Projections.

**THE FOOD ECONOMIES OF URBAN MIDDLE AFRICA: THE CASE OF GHANA**

Thomas T. Poleman. pp. 121-75 \$1.50  
Ghana—Agricultural Resources—Urbanization—Consumption Characteristics—The Budget Survey—Expenditure Patterns—Diet Composition—Dietary Changes with Income—Supply Characteristics—The Market Chain—The 1957/58 Produce Movement Census—The Staple Food Supply of Accra—Concluding Observations.

## No. 3

## DEFECTS, USES, AND ABUSES OF NATIONAL FOOD SUPPLY AND CONSUMPTION DATA

Helen C. Farnsworth. pp. 179-201 \$1.00

(Also published in *Proceedings of the International Institute of Statistics* [33rd Session, Paris, 1961], Vol. 4, 1962.)

Historical Development of Food Consumption Estimates and Comparisons—  
The Construction of Food Balance Sheets: General—Food Balance Construction  
in Highly Developed Countries—Food Balance Construction in Underdeveloped  
Countries—Quality, Uses, and Improvement of Supply and Consumption Data.

## ESTIMATION OF HEDGING AND SPECULATIVE POSITIONS IN FUTURES MARKETS

Arnold B. Larson. pp. 203-12 \$1.00

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Harry T. Oshima. pp. 213-27 \$1.00

Findings of the Study—Objectives and Procedures of the Study—Basic Tables  
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Private Consumption Expenditures—Gross Investment—The Consolidated Gen-  
eral Government Account—Income by Industrial Origin.

## URBAN FOOD EXPENDITURE PATTERNS IN TROPICAL AFRICA

Hiromitsu Kaneda and Bruce F. Johnston. pp. 229-75 \$1.00

Sources of Data and Cities Studied—Food Expenditures as a Percentage of In-  
come—The Position of the Starchy Staple Foods in Urban Expenditure and  
Consumption Patterns—Regional Variations in Food Expenditure Patterns—  
Prospective Changes in Food Consumption with Economic Development—  
Conclusions.

## OTHER PUBLICATIONS

## \*FOOD SUPPLIES AND FOOD CONSUMPTION IN AFRICA

Bruce F. Johnston. 103 pp. Mimeographed.

An Overall View of the Food Situation in Africa—Africa South of the Sahara:  
West and Central Africa—East and Southern Africa—Northern Africa.

†“Guidelines for a Constructive Revision of Agricultural Policy in the Coming  
Decade.” Karl Brandt. *Journal of Farm Economics*, February 1961, pp. 1-12.

†“Liberal Alternativen für die Politik des Westens gegenüber früheren Kolo-  
nialgegenden.” Karl Brandt. In *Entwicklungsländer—Wahn und Wirklich-  
keit*, Chapter II, ed. by A. Hunold (Erlenbach-Zurich und Stuttgart, 1961),  
pp. 83-110.

†“The Hard Core of the Farm Problem.” Karl Brandt. *The Freeman*, April  
1961, pp. 23-34.



- “Implications of Prospective United States Population Growth in the 1960’s.” Joseph S. Davis. *Milbank Memorial Fund Quarterly*, April 1961, pp. 329-49. Demographic Background and Prospects Summarized—Special Aspects of Coming Population Developments—Leading Implications—Pertinent Observations.
- †“Total Economic Growth and Agriculture.” Karl Brandt. In *Adjustments in Agriculture—A National Basebook*, by M. G. Smith and C. F. Christian (Ames, Iowa, 1961), pp. 22-54.
- †“The Problem Multiplying Effects of Special Wheat Programs.” Helen C. Farnsworth. *American Economic Review*, May 1961, pp. 353-70. The American Wheat Surplus—Perverse Price Relationships Among U.S. Wheats—The Fifteen-Acre Exemption Problem and Conflicting Regional Interests—American Wheat-Feedgrain Relationships and Domestic Use—American Competition in “Commercial” Wheat Trade—American “Special” Wheat Exports—Financial Cost of the Present Wheat Program—A Few Legislative Suggestions.
- †“Political Independence and Economic Progress in Africa.” William O. Jones. In *Africa in Transition* (University of Arizona Kennecott Lectures 1960-1961, No. 6, Tucson, 1961), pp. 41-63. Brevity of European Rule—The Traditional Societies—The New National States—Economic Achievement—The Next Stage—Tribalism and Paternalism—The Human Resource in an Independent Africa.
- †“How to Select Your Methods for Agricultural Marketing Research.” Holbrook Working. In *The Philosophy, Methodology, Basic Tools of Marketing Research. Proceedings, Marketing Research Committee of the Western Agricultural Economic Research Council, University of California, Berkeley, Calif., November 14-16, 1960* (Report No. 4, 1961), pp. 33-52.
- †“Seasonal Hunger: A Vague Concept and an Unexplored Problem.” Marvin P. Miracle. *Bulletin de l’Institut Français d’Afrique Noire* (Dakar), January-April 1961, pp. 273-83. Types of Variations in Food Supplies That Can Be Expected Theoretically—Characteristics of Areas Reporting “Seasonal Hunger”—Explanations of “Seasonal Hunger.”
- “The Role of Agriculture in Economic Development.” Bruce F. Johnston and John W. Mellor. *American Economic Review*, September 1961, pp. 566-93. Special Characteristics of the Agricultural Sector in the Process of Economic Development—Agriculture’s Contribution to Economic Development—Conclusions.
- \*“Países Occidentales y Países Subdesarrollados. Karl Brandt. *Orientación Económica*, October 1961, pp. 7-15. (Published also in English, “Western Countries and Underdeveloped Countries,” in *Mount Pelerin Society Proceedings* [Turin, Italy, September 1961], mimeographed, 13 pp. Published also in German, “Der Westen und die Entwicklungsländer,” *Österreichische Akademische Blätter*, No. 10, December 1961, pp. 22-26.)

"Some Interrelationships Between Agricultural Trade and Economic Development." Boris C. Swerling. *Kyklos* (Basle), Vol. XIV, No. 3, 1961, pp. 364-95.  
Trade Patterns, Classification Systems, and Trends—Commodity Technology and Impact—Special Problems of Primary-Exporting Countries—U.S. Agricultural Surpluses and Foreign Economic Development—Group Impact and Opportunities.

"Economic Imperialism: Sidelights on a Stereotype." Richard J. Hammond. *Journal of Economic History*, December 1961, pp. 582-98.

## PUBLICATIONS OF 1962

### Books

#### CANADIAN AGRICULTURE IN WAR AND PEACE: 1935-50

G. E. Britnell and V. C. Fowke. 502 pp. \$8.75

Food Research Institute Studies on Food, Agriculture, and World War II, No. 13. (Order from Stanford University Press, Stanford, Calif.)

The Geographic Setting—The Strategic Role of Agriculture in Canadian History—Canadian Agriculture In and After the First World War—The Heritage of the Thirties—The Development of Governmental Policy—Price Policies, Production Subsidies, and the Export Agreements—Administration of Wartime Agricultural Policy—Food Supplies and Rationing—Labor Requirements and Population Movements—Wheat—Feed Grain Policies and Programs—The Expansion of Meat Production—The Dairy Industry—Producer Subsidies and Balanced Output—Eggs and Poultry: Expansion Under the Price Ceiling—Fruits and Vegetables: Problems of War and Postwar Adjustment—Oilseeds and Special Crops—Wartime Policies and Achievements—Agricultural Income and the Regional Impact of Policy—From War to Peace—Appendix A. Soldier Settlement and the Veterans' Land Act—Appendix B. Canada, Order in Council P.C. 8527, "The Maximum Prices Regulations," and Amendment, P.C. 8818.

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Roger W. Gray. pp. 23-34 \$1.00

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CONSUMPTION OF EXOTIC CONSUMER GOODS AS AN INDICATOR  
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Imported Goods a Major Component of African Standard of Living—Selection  
of Countries and Commodities—The Index—Reliability of the Index—Con-  
sumer Goods Indicators and Total Foreign Trade—Variation in Consumption  
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General Background—History of Agricultural Development—Organization of  
Production—Agricultural Productivity—Marketing Institutions and Facilities—  
The Marketing Chain—Official Price Policies—Incentives to Change.

†ADVERTISED SPECIALS AND LOCAL COMPETITION AMONG  
SUPERMARKETS

- Roger W. Gray and Roice Anderson. pp. 125-40  
The Sample—Are Specials Really Special?—The Coverage of the Specials—The  
Specials as an Index of Store Prices—Pricing Policy and the Use of Specials:  
A Two-Store Comparison—Specials Strategy—The Battle of the Brands—Con-  
cluding Remarks.

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Argentine Reactions to the Sanitary Embargo—Knowledge of FMD to 1926—  
The British and FMD—FMD in the United States—An Argentine on the Sani-  
tary Embargo—Argentine Meat and the 1929 Outbreak in California—The  
Political Embargo—"Buy from Those Who Buy from Us"—Exchange Control  
as Economic Discrimination—The 1959 Import Ban—FMD and United States  
Policy.

No. 3

BRITISH WARTIME FOOD CONTROL: SOME ADDENDA TO AN  
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AN AGROCLIMATIC MAPPING OF AFRICA

- Merrill K. Bennett. pp. 195-216 \$1.00  
Definitions of Rain Deficiency—Location of Rain-Deficient Territory—Differ-  
entiation of Rain-Sufficient Regions—Population and Crop Distributions.

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## OTHER PUBLICATIONS

## PORTUGAL'S AFRICAN PROBLEM: SOME ECONOMIC FACETS

Richard J. Hammond. 42 pp.

(Carnegie Endowment for International Peace, Occasional Paper, No. 2, 1962)  
(Copies available from Carnegie Endowment for International Peace, United Nations Plaza, New York, N.Y.)

Background—Early Portuguese Interests—Hindrances to Economic Development—Portuguese Development Policies—Possible Consequences of Separation.

“World Food Problems: The Nature of Our Ignorance.” William O. Jones. In *Food: One Tool in International Economic Development*, Center for Agriculture and Economic Adjustment, University of Iowa, ed. (Conference, Ames, Iowa, February 19-23, 1962), pp. 267-77.

“Food Supply and Requirements in Tropical Africa.” William O. Jones. In *Conference, The Role of Wheat in the World's Food Supply*. Rpt. 1962 (U.S. Dept. Agr., Western Regional Laboratory, Albany, Calif., April 30, 1962), pp. 44-51.

“Aboriginal Trade Among the Senga and Nsenga of Northern Rhodesia.” Marvin P. Miracle. *Ethnology*, April 1962, pp. 212-22.

“Nutritional and Medical Aspects of Food and Hunger in a World of Turmoil.” Helen C. Farnsworth. In *The Role of Food in World Peace* (An International Symposium in Observance of the Land-Grant Centennial, April 30, May 1-2, 1962, Ohio State University, Columbus, Ohio), pp. 50-58.

\*“The Western Urge to Suicide.” Karl Brandt. Adapted from an address before the Commonwealth Club of California, San Francisco, Calif., October 20, 1961. 12 pp. Mimeographed. (Published also in German, “Der Drang zum Selbstmord,” *Frankfurter Allgemeine Zeitung*, Frankfurt, Germany, May 16, 1962.)

The West Is Strong Materially—Camouflage of Weakness in Sino-Soviet Bloc—The “Mind” of the West—Sino-Soviet Tactics—The Significance of Berlin—As Ideals Are Lost—Failure to Understand the Enemy—Failure to Understand Our Heritage and History—Escapism of Intellectuals—The Mirage of Co-Existence.

- \*"Economic Conditions for a Free Society." Karl Brandt. *Modern Age* (Institute for Philosophical and Historical Studies, Inc., Chicago, Ill.), Spring 1962, pp. 123-34.  
The Institution of Private Property in Means of Production—The Market with Free Competition—The Necessity for a Market Police—Further Basic Economic Functions of the State—Containment of Expansion of the Public Sector—The Problems of Redistribution of Income and Wealth—Conclusion.
- †"Das Anwachsen des 'Öffentlichen Sektors' der Wirtschaft als Begleiterscheinung der Preisstabilisierung und als Folge der Trennung der Kostenbeteiligung von der Nutzniessung." Karl Brandt. *Unserer Wirtschaft*, F 4947-E, Heft 7, July 1962, pp. 169-80.
- †"Response to Economic Incentives in Central Africa." Marvin P. Miracle. *Proceedings of the Western Economic Association 1961* (Conference, Seattle, Wash., August 24-25, 1961) (1962), pp. 28-32.
- †"The Public Sector and Price Fixing." Karl Brandt. *Modern Age*, Vol. VI, No. 3, Summer 1962, pp. 231-46.
- †"Demand, and the Supply of Foods in Chile." James O. Bray. *Journal of Farm Economics*, November 1962, pp. 1005-20.  
The Backwardness of Chilean Agriculture—The Domestic Supply of Food—The Demand for Food—Production Response—Summary and Conclusions.
- †"Nonfarm Inputs as a Source of Agricultural Productivity." Charles O. Meiburg. *Journal of Farm Economics*, December 1962, pp. 1433-38.
- †"Ideological Conflict as a Barrier to Economic Understanding." Roger W. Gray. *Journal of Secondary Education*, December 1962, pp. 461-66.

## PUBLICATIONS OF 1963

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## Volume IV

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## OTHER PUBLICATIONS

†“Implications of the World Food Situation for Agricultural Policy.” Karl Brandt. *Proceedings of Symposium on Food, People, and Trade* (Washington State Committee for Improving the Market of Agricultural Products, January 1963).

“Onions Revisited.” Roger W. Gray. *Journal of Farm Economics*, May 1963, pp. 273-76.

Introduction—Benefit Derived from the Futures Market—Conclusion.

\*“Problèmes de croissance, d'adaptation et de stabilisation dans l'économie des Etats-Unis.” Karl Brandt. *Information du Commerce Extérieur* (Brussels), May 1963.

†“The Changing Role of Price.” Roger W. Gray. In *Proceedings 1963, Western Farm Economics Association Thirty-Sixth Annual Meeting* (Laramie, Wyo., July 24-26, 1963), pp. 17-24.

†“Studies of Mechanics of Pricing vs. Studies of Underlying Price-Making Forces.” Arnold B. Larson. *Proceedings of the Marketing Research Committee of the Western Agricultural Economics Research Council* (Berkeley, Calif., June 10, 1963) (1963).

†“The Declining Relative Importance of Agriculture.” Arnold B. Larson. *Journal of Farm Economics*, November 1963, pp. 879-81.

†“Discussion: A. K. Cairncross, ‘The Contribution of Foreign and Indigenous Capital to Economic Development.’” Karl Brandt. *Proceedings of the International Conference of Agricultural Economists* (Cuernavaca, Mexico, August 19-30, 1961) (London, 1963), pp. 192-97.

†“Developed and Underdeveloped Areas.” Karl Brandt. In *National Security: Political, Military, and Economic Strategies in the Decade Ahead*, ed. by D. M. Abshire and R. V. Allen (New York, 1963).

\*“Analyse des Westdeutschen Schlachtviehmarktes in Hinblick auf eine Steigerung des Absatzerfolges.” Arndt Uhlig (Institut für Landwirtschaftliche Betriebslehre der Justus-Liebig-Universität Giessen, 1963).

†“Growth of the ‘Public Sector’ as a By-Product of Price-Fixing and of Segregating Cost-Bearing from Benefit-Sharing.” Karl Brandt. In *The New Argument in Economics: The Public Versus the Private Sector*, ed. by Helmut Schoeck and J. W. Wiggins (Princeton, N.J., 1963).

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- †“The Significance of the Japanese Experience.” Bruce F. Johnston. In *Agricultural Development in Modern Japan*, Part IV, ed. by Takekazu Ogura (Japan FAO Association, Tokyo, 1963).
- †“An Economic Analysis of Highway Services.” Charles O. Meiburg. *Quarterly Journal of Economics*, November 1963, pp. 648-56.
- †“Food Surplus, Division of Labor, and Economic Development.” Charles O. Meiburg. *Journal of Farm Economics*, December 1963, pp. 1482-88.

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†“Sector Público y Sector Privado.” Karl Brandt. *Orientación Económica* (Caracas, Venezuela, Instituto Venezolano de Análisis Económico y Social A.C.), January 1964.



- †“Die Industrieländer und der Wirtschaftliche Fortschritt in Entwicklungsländern.” Karl Brandt. *Afrika heute* (Bonn, Germany), February 1, 1964, pp. 25-29.
- “Some Thoughts on the Changing Role of Price.” Roger W. Gray. *Journal of Farm Economics*, February 1964, pp. 117-27.  
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- \**Competition Among Staple Foods in Africa with Special Reference to Consumption Trends in Rice and Wheat.* Bruce F. Johnston. (Report prepared for the Commodities Division, Committee on Commodity Problems, and the Group on Grains, Food and Agriculture Organization of the United Nations [FAO], October 1963) (FAO-CCP/Grains—Rice/2, February 27, 1964). Processed. 51 pp.  
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†“The Elusive Basis for Marketing Order Evaluation.” John A. Jamison. *Proceedings, 1964, Western Farm Economics Association Thirty-seventh Annual Meeting* (San Luis Obispo, Calif., July 15-17, 1964) (1965), pp. 231-46.

†“Increasing Agricultural Productivity in Tropical Africa.” William O. Jones. In *Economic Development in Africa*, ed. by E. F. Jackson (Nyasaland Govt. Economic Symposium, Blantyre, Nyasaland, July 18-28, 1962) (Blackwell's, Oxford, England).

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