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credit associations are discussed: "These developments have resulted in a generally improved credit service and saving of interest costs to farmers." No doubt the federal credit agencies had some influence in hastening the reduction of interest rates, but nearly every student of farm finance agrees that the rates would have lowered themselves during the last 15 years, without federal agencies in

the field, because of a cheapening of money rates and sheer competition among lenders.

In spite of these points of criticism the book is a valuable contribution in the vocational education field. It is well written, reads smoothly, and contains a great deal of worthwhile information which will be useful to the beginning student.

*Earl L. Butz*

## Selected Recent Research Publications in Agricultural Economics Issued by the Bureau of Agricultural Economics and Cooperatively by the State Colleges<sup>1</sup>

BRODELL, ALBERT P., and CARPENTER, CHARLES G. HARVESTING HAY AND SILAGE. U. S. Bur. Agr. Econ., F. M. 79, 18 pp. June 1950.

Estimates, by States, the form in which 1948 hay crop was fed or sold, and extent of use of field forage harvesters and stationary cutters for harvesting different kinds of silage.

CHURCH, DONALD E. EFFECT OF INCREASES IN FREIGHT RATES ON AGRICULTURAL PRODUCTS. U. S. Dept. Agr. Cir. 847, 39 pp., illus. April 1950. (RMA.) [Printed.]

Shows that an increase in transportation costs by a uniform percentage tends to decrease prices at nearby markets and to increase them at distant markets.

COOK, HUGH L., and HUSSEMAN, DOROTHY L. CONSUMER ACCEPTANCE OF DRY MILKS IN QUANTITY COOKERY. Wis. Expt. Sta. Res. Bul. 164, 32 pp., illus. Madison. January 1950. (BAE cooperating; RMA.) [Printed.]

Shows that the use of dry whole milk or nonfat dry milk solids, in certain dishes, increased their milk solids content without significantly decreasing the preference for the dishes.

CROWE, GRADY B. MECHANICAL COTTON PICKER OPERATION IN THE YAZOO-MISSISSIPPI DELTA. Miss. Agr. Expt. Sta. Bul. 465, 20 pp. State College. July 1949. (RMA report.) [Printed.]

Informs as to costs and performance of one-row spindle-type, mechanical cotton harvesters under farm conditions; their operating efficiency compared with hand labor; and costs of machine and hand picking.

FOLSOM, JOSIAH C. WAGE CEILING IN FLORIDA CITRUS GROVES, SEASON OF 1934-44. 12 pp. Bur. Agr. Econ. July 1950.

Control of wage rates was reasonably satisfactory, despite limited adjustment services and publicity. Pickers for the larger packinghouses averaged \$30 a week; those for smaller houses, \$25 or less.

FOOTE, R. J., and SCHOLL, J. C., under the direction of L. H. BEAN and C. E. BURKHEAD. ANALYSIS OF CROP-WEATHER RELATIONSHIPS (PROGRESS REPORT.) Bur. Agr. Econ. 22 pp., illus. June 1950. (RMA.)

Discusses certain aspects of research now done or in progress on a study of the year-to-year changes in market supplies due to changes in yields per acre. Illustrates the methods to be used in presenting crop and weather data.

FUQUA, ORVILLE. FARM REAL ESTATE ACTIVITY IN TWELVE WESTERN COUNTIES, 1941-48. 53 pp., illus. Bur. Agr. Econ. June 1950.

Outlines voluntary transfers in the 12 counties, and break-down by individual counties.

GAINES, JAMES P., and CROWE, GRADY B. WORK-STOCK VS. TRACTORS IN THE YAZOO-MISSISSIPPI DELTA. Miss. Agr. Expt. Sta. Bul. 470, 10 pp. March 1950. (RMA, BAE cooperating.) [Printed.]

Shows that large tractors are cheapest source of power on farms with 60 acres or more in crops; and that medium-sized tractors can replace economically at least three mules on cotton farms with 30 to 60 acres of cropland.

HAY, DONALD G., and JOHN, M. E. RURAL ORGANIZATION OF BRADFORD COUNTY, PENNSYLVANIA. Pa. Agr. Expt. Sta. Bul. 524, 38 pp., illus. State College. April 1950. (BAE cooperating.) [Printed.]

Representative types of rural organizations in the northeastern general farming belt are found here. The report shows that greater emphasis is needed on membership relations, on program planning, and on coordination of activities.

HOLMAAS, ARTHUR J. AGRICULTURAL WAGE STABILIZATION IN WORLD WAR II. U. S. Dept. Agr. Agr. Monog. 1, 140 pp. 1950. [Printed.]

One of the war records monographs which present the history of the Government's activities in World War II.

<sup>1</sup>Printed reports are indicated as such. All others are processed. State publications may be obtained from the issuing agencies of the respective States.

**LAGRONE, WILLIAM F.** COTTON GROWING IN SOUTHEASTERN OKLAHOMA; A COMPARISON OF PRESENT METHODS AND RECOMMENDED PRACTICES. Okla. Agr. Expt. Sta. Bul. B-350, 35 pp., illus. June 1950. (BAE cooperating.) [Printed.]

These cotton farmers follow good systems of production in several specified respects, but improvements are needed in respect to insect control, fertilization, kind of tillage, and contour planting, listing, and chiseling.

**LANHAM, BEN T., JR.** COMMERCIAL REACTIONS TO ALAMALT—A FULLY-COOKED SWEETPOTATO FLOUR. Ala. Agr. Expt. Sta. Prog. Rept. Ser. 46, 24 pp. Auburn. June 1950. (RMA, BAE cooperating.)

CONSUMER REACTIONS TO "ALAYAM" BREAKFAST FOOD. A NATION-WIDE ACCEPTANCE TEST OF A NEW TYPE OF BREAKFAST FOOD MADE OF SWEETPOTATOES. Ala. Agr. Expt. Sta. Bul. 273, 82 pp. Auburn. June 1950. (RMA, BAE cooperating.) [Printed.]

CONSUMER REACTIONS TO "ALAYAM" CANDY. A NATION-WIDE ACCEPTANCE TEST OF A NEW TYPE COCOANUT BRITTLE MADE OF SWEETPOTATOES. Ala. Agr. Expt. Sta. Bul. 271, 61 pp., illus. May 1950. (RMA, BAE cooperating.) [Printed.]

CONSUMER REACTIONS TO ALAYAM "SNACKS." A NATION-WIDE ACCEPTANCE TEST OF A NEW TYPE OF "SNACK" PRODUCT MADE OF SWEETPOTATOES. Ala. Agr. Expt. Sta. Bul. 272, 82 pp. Auburn. June 1950. (RMA, BAE cooperating.) [Printed.]

Nation-wide acceptance tests for these new products were made and are here reported.

**MALPHRUS, LEWIS D., and CONLOGUE, ROBERT M.** PHYSICAL LOSSES, MARKETING COSTS AND PRICES OF FRESH TOMATOES (BASED ON SHIPMENTS FROM SOUTH CAROLINA AND OTHER POINTS TO JACKSONVILLE, FLORIDA). S. C. Agr. Expt. Sta. Bul. 383, 32 pp., illus. Clemson. May 1950. (RMA, BAE cooperating.) [Printed.]

Approximately 43 percent of the South Carolina tomatoes observed were lost through deterioration in quality between the time of harvest and time they were retailed in Jacksonville, Fla.

**PARSONS, M. S., FRICK, G. E., PULLEN, W. E., and BREDO, WILLIAM.** THE SEASONAL ADJUSTMENT OF MILK PRODUCTION IN THE BOSTON MILKSHED. 57 pp., illus. Bur. Agr. Econ.; The Me., N. H., and Vt. Agr. Expt. Stas.; and the Admin. of Fed. Milk Mktg. Order No. 4. Washington, D. C. June 1950.

Further reducing the seasonality is not likely to reduce materially the costs of assembling, receiving, and transporting fluid milk. Substantial reduction from the seasonal production pattern of 1947-49 would tend to raise production costs and would raise prices to consumers.

**PUBOLS, BEN H.** CITRUS FRUIT DURING WORLD WAR II. U. S. Dept. Agr. Agr. Monog. 3, 77 pp., illus. June 1950. [Printed.]

Equitable distribution and pricing of citrus fruit became a major problem. Special programs, regulations, and actions, which conditioned the wartime behavior of the citrus economy, were instituted. These programs are described.

**SITLER, HARRY G., and BURDICK, R. T.** THE ECONOMICS OF SUGAR BEET MECHANIZATION. Colo. Agr. Expt. Sta. Bul. 411-A, 56 pp., illus. April 1950. (RMA; Colo. Agr. Ext. Serv. and BAE cooperating.) [Printed.]

In 1947 and 1948, on the farms studied, it cost \$1.03 to mechanically harvest and load 1 ton of sugar beets into trucks, as opposed to \$1.93, the cost of harvesting 1 ton by hand-topping and mechanical loading.

**STEANSON, OSCAR, and DAVIS, JOE F.** ELECTRICITY ON FARMS IN THE UPPER PIEDMONT OF GEORGIA. Ga. Expt. Sta. Bul. 263, 62 pp., illus. Experiment. June 1950. (RMA, BAE cooperating.) [Printed.]

This study is directed primarily toward the development of comprehensive information (1) that will be useful in estimating the probable future use of electricity on farms; and (2) that would indicate the types of electrical equipment now being used on farms of various types and sizes.

UNITED STATES BUREAU OF AGRICULTURAL ECONOMICS. MARKETING MARGINS ON ONE SHIPMENT OF WISCONSIN EGGS TO AN EASTERN CITY OCTOBER-NOVEMBER 1948. 12 pp., illus. Washington, D. C. June 1950. (RMA)

Shows that the average price spread was 22.9 cents between consumers and farmers, although margins differed for the different grades of eggs.

UTAH AGRICULTURAL EXPERIMENT STATION, COLORADO AGRICULTURAL EXPERIMENT STATION, and UNITED STATES DEPARTMENT OF AGRICULTURE. CONSUMER DEMAND FOR PEACHES OF VARYING STAGES OF MATURITY, 1949. Utah Agr. Expt. Sta. Bul. 339, 20 pp. Logan. June 1950. [Printed.]

Shows that under normal transit conditions, peaches advance about one stage of maturity between intermountain shipping points and midwestern markets.

**VOELKER, STANLEY W., and HUNTER, ELMER C.** VALUE OF WATER FOR IRRIGATION IN THE ROARING FORK BASIN OF COLORADO. 68 pp. Bur. Agr. Econ. and Colo. Agr. Expt. Sta. May 1950.

Presents several refinements of the income-to-land method for determining the value of water.

**WALLRABENSTEIN, PAUL P., and MESICK, DAVID O.** WAGES AND WAGE RATES OF HIRED FARM WORKERS, UNITED STATES AND REGIONS, APRIL AND SEPT. 1948. U. S. Bur. Agr. Econ. Rept. 22, Surveys of Wages and Wage Rates in Agriculture, 43 pp. Map. 1950.

Results obtained from interview sample surveys of farm wages and farm-wage rates. Gives hourly and weekly cash wages, and time worked.



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