



# FATS AND PROTEINS RESEARCH FOUNDATION, INC.

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THE DIRECTOR'S DIGEST  
D. M. DOTY  
TECHNICAL DIRECTOR

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## RESEARCH COMMITTEE AND BOARD OF DIRECTORS MEET

The FPRF Research Committee met June 11 in Chicago, and the Board of Directors met the following day. At these meetings the current research program was very carefully evaluated and recommendations developed for the new fiscal year beginning October 1, 1968. Specific proposals for the following new projects will be solicited immediately because of their special timely importance to the rendering industry.

1. Edible protein concentrate from renderer's materials.
2. The available amino acid content of feather meal as influenced by processing conditions.

Unfortunately it may be necessary to interrupt some of our current important studies because of lack of funds during the coming year. The tentative budget approved by the Board of Directors for the coming year includes \$189,700 for research and a total budget of \$255,000. This is a reduction of \$45,000 from the current year's budget and reflects the present price "squeeze" in the rendering industry as the result of low fat prices. It is hoped that this reduced research budget will not seriously affect our research program and that we can resume the steady expansion of our research activities soon.

The next meeting of the Research Committee will be held November 19, 1968 at the Water Tower Hyatt House in Chicago and the Annual Meeting of the members and the Board of Directors Meeting will be held the following day, November 20, at the same location.

## BROILER FEEDING TRIALS

For the past several years, Professor T. D. Runnels of the University of Delaware, with grant support from FPRF, has been evaluating meat and bone meal as an ingredient in broiler rations. Some of the results have been reported from time to time in "The Director's Digest." Professor Runnels has summarized his results in a paper that should appear soon in a popular feed trade magazine. The following conclusions were reached by Professor Runnels and will appear in the published article.

High energy least-cost computer formulated broiler diets containing up to 10% meat and bone meal have been fed without any adverse effects on rate of gain or feed utilization.

Least-cost computer diets containing up to 10% meat and bone meal reduced feed ingredient cost from \$1 to \$2.50 per ton at current prices as compared to the ingredient cost for feeds calculated to the same nutrient levels without meat and bone meal.

Broiler diets containing up to 1.3% calcium and 1.0% phosphorus mostly from bone in meat and bone meal produced results equal in all respects to those from diets containing lower levels of calcium and phosphorus.

Good quality 50% protein meat and bone meal has been shown to be an economical ingredient for use in broiler diets and can be used effectively at higher levels than is now practiced.

Statements like this from Professor Runnels, and other respected nutritionists should be most helpful in convincing feed manufacturers that meat and bone meal is an effective, economical source of protein and minerals for high energy broiler rations.