



# **ADVANCES IN LIPID RESEARCH**

**Volume 4**

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# **Advances in Lipid Research**

**Volume 4**

*Edited by*

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## PREFACE

In the fourth volume of this serial publication we have collected chapters in different areas of physiology, all of which are in some way related to lipid metabolism. The field of blood coagulation has been studied for many years and only recently have the effects of lipids, principally phospholipids, been elucidated. The first chapter in this volume summarizes the best current information in this area. Another area of lipid research which is assuming great importance is that inter-relating carbohydrate and lipid metabolism. The second chapter discusses this field. The effects of various substances on lipid metabolism have been discussed in earlier volumes in this serial publication, and the current volume contains a chapter relating the actions of catecholamines to lipid metabolism. Two of the chapters are devoted to lipid metabolism in microorganisms; one of these relates specifically to the fatty acids of microorganisms and the other to general aspects of lipid metabolism in microorganisms. The last two chapters are both concerned with methodology, an area which has to be reviewed from time to time as new advances in techniques are made. One chapter relates specifically to the analysis of vitamin D-like compounds and the other to procedures for assessing the purity of the labeled lipids with which so many of us work.

*December, 1966*

RODOLFO PAOLETTI  
DAVID KRITCHEVSKY



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# The Role of Lipids in Blood Coagulation\*

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## I. Introduction

When a venipuncture is performed on a normal subject and the blood is placed in a glass test tube, it remains fluid for a few minutes,

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