

CONTENTS

	Page
I. FRICTION IN MACHINERY	1
II. FUNDAMENTALS OF LUBRICATION	23
III. FRICTIONAL TEMPERATURE RISE	54
IV. PHYSICAL PROPERTIES OF LUBRICANTS	85
V. DIMENSIONS AND ZN/P	123
VI. THEORY AND TESTING OF THRUST BEARINGS	159
VII. STEADY-LOAD JOURNAL BEARINGS	201
VIII. RECIPROCATING MACHINES	248
IX. GAS-LUBRICATED BEARINGS	279
X. ROLLING CONTACT	320
XI. GEAR LUBRICATION	368
XII. VIBRATIONS AND WHIRL	408
XIII. THIN FILM RESEARCH	432
XIV. EPILOG: LOOKING BACK AND LOOKING AHEAD	460
INDEX	481