

CONTENTS

	PAGE
DEDICATION	v
PREFACE	vii
LIST OF PROBLEMS	3
SOLUTIONS TO THE PROBLEMS IN THE VARIOUS COMPETITIONS	
First	73
Second	95
Third	133
Fourth	161
Fifth	184
Sixth	206
Seventh	223
Eighth	243
Ninth	264
Tenth	288
Eleventh	317
Twelfth	340
Thirteenth	364
Fourteenth	387
Fifteenth	402
Sixteenth	418
Seventeenth	433
Eighteenth	454
Nineteenth	476
Twentieth	497
Twenty-first	516
Twenty-second	538
Twenty-third	554
Twenty-fourth	569
Twenty-fifth	586
APPENDICES: FROM THE AMERICAN MATHEMATICAL MONTHLY	
G. Birkhoff article, vol. 72 (1965)	603
L. E. Bush article, vol. 72 (1965), with up-dates and revisions as of 1977	609
L. J. Mordell article, vol. 70 (1963)	623
L. M. Kelly rejoinder, vol. 70 (1963)	634
GENERAL INDEX	639