

CONTENTS

I.	THE ATMOSPHERE	1
II.	ONSERVING TENPERATURE, PRESSURE, AND WIND	12
III.	OBSERVING MOISTURE, SUNSHINE, VISIBILITY, AND UPPER AIR CONDITIONS	38
IV.	SOLAR RADIATION AND ITS EFFECTS	77
V.	CONDENSATION OF WATER IN THE ATMOSPHERE	111
VI.	INTERRELATIONS OF TEMPERATURE, PRESSURE, AND WIND	129
VII.	THE GENERAL CIRCULATION	141
VIII.	THE SECONDARY CIRCULATION	157
IX.	AIR MASSES AND FRONTS	186
X.	LESSER DISTURBANCES	201
XI.	WEATHER ANALYSIS AND FORECASTING	221
XII.	AVIASTION AND THE WEATHER	254
XIII.	CLIMATE	264
XIV.	WORLD WEATHER RELATIONS AND CLIMATIC INFLUENCES	298
XV.	ELECTRICAL AND OPTICAL PHENOMENA	323
XVI.	THE UNITED STATES WEATHER BUREAU	332
	APPENDIX I. BIBLIOGRAPHY	347
	APPENDIX II. CONVERSION FACTORS AND TABLES	354
	APPENDIX III. MEAN MONTHLY AND ANNUAL TEMPERATURES AND PRECIPITATION (TABLES)	358
	INDEX	365