

PREFACE CONTENTS

PREFACE vii

1 INTRODUCTION 1

2 IMPULSES, SYNAPSES, AND CIRCUITS 13

3 THE EYE 33

4 THE PRIMARY VISUAL CORTEX 59

5 THE ARCHITECTURE OF THE VISUAL CORTEX 93

6 MAGNIFICATION AND MODULES 127

7 THE CORPUS CALLOSUM AND STEREOPSIS 137

8 COLOR VISION 159

9 DEPRIVATION AND DEVELOPMENT 191

10 PRESENT AND FUTURE 219

FURTHER READING 225

SOURCES OF ILLUSTRATIONS 229

INDEX 233