

## CONTENTS

<u>SECTION I. - MANAGEMENT AND CURRENT STATUS</u>	1
THE DALL SHEEP AND ITS MANAGEMENT IN ALASKA by Lyman Nichols	2
THE DESERT BIGHORN OF ARIZONA by John P. Russo	9
BIGHORN SHEEP MANAGEMENT IN NEW MEXICO by Parry A. Larsen	16
THE BIGHORN SHEEP IN COLORADO by Wayne W. Sandfort and William B. Rutherford	22
THE BIGHORN SHEEP IN UTAH - PAST AND PRESENT by Larry B. Dalton and J. Juan Spillet	32
<u>SECTION II. - PHYSIOLOGY AND PATHOLOGY</u>	55
DEVELOPMENT OF A PROTECTIVE BACTERIN AGAINST PASTEURELLOSIS IN BIGHORN SHEEP by Peter Nash	56
THE CLINICAL AND PATHOLOGICAL EFFECT OF <u>PROTOSTRONGYLUS</u> <u>STILESI</u> ON BIGHORN X MOUFLON HYBRID SHEEP by Sara Ellen McGlinchy	66
THE LIFE CYCLE OF <u>PROTOSTRONGYLUS</u> <u>STILESI</u> IN BIGHORN SHEEP by Ruth Ann Monson	76
APPLICATION OF PHYSIOLOGIC VALUES TO BIGHORN SHEEP MANAGEMENT by Albert W. Franzmann	87
A DIE-OFF DUE TO PNEUMONIA IN A SEMI-CAPTIVE HERD OF ROCKY MOUNTAIN BIGHORN SHEEP by Tom Thorne	92
THE PNEUMONIA COMPLEX IN BIGHORN SHEEP by George Post	98
<u>SECTION III. RESEARCH TECHNIQUES</u>	
ESTIMATING PLANT COMPOSITION OF WILD SHEEP DIET by R. M. Hansen	108

AN INEXPENSIVE METHOD OF MARKING LARGE NUMBERS OF DALL SHEEP FOR MOVEMENT STUDIES by Norman M. Simmons	116
THE USE OF M-99 ETORPHINE AND ACETYLPROMAZINE IN THE IMMOBILIZATION AND CAPTURE OF FREE RANGING ROCKY MOUNTAIN BIGHORN SHEEP by Tom Thorne	127
ANALYSIS OF WINTER HABITAT BY MULTISPECTRAL REMOTE SENSING by Ralph R. Root	135
<u>SECTION IV. MANAGEMENT PROBLEMS, PROCEDURES AND NEEDS</u>	149
AN ECOLOGICAL VIEW OF BIGHORN HABITAT ON MT. SAN ANTONIO by Jerome T. Light, Jr.	150
HABITAT MANAGEMENT FOR THE DESERT BIGHORN by Jim Yoakum	158
HUMAN DISTURBANCE AS A LIMITING FACTOR OF SIERRA NEVADA BIGHORN SHEEP	165
THE WIND RIVER BIGHORN HERD - A NEW APPROACH TO SHEEP HABITAT MANAGEMENT by William Crump	174
Appendix A	
Registered Attendance	183
Appendix B	
Conference Program	186