

MOOSE CONFERENCE WORKSHOP, MAY 12, 1992
THEME - PRODUCTIVITY

H.R. Timmermann, Chairman

**SESSION A - INTRODUCTION TO
MOOSE BREEDING**

Reproductive biology of male and female moose breeding period, estrous cycle, heat period, gestation length and environmental factors affecting the role of the male in breeding

- see paper "Reproductive biology of North American moose: by C.C. Schwartz - (this volume)

Reproductive behavior of tundra and taiga moose - A.B. Bubenik (no manuscript produced)

SESSION B - REPRODUCTIVE OUTPUT (FECUNDITY)

Comparison of the reproductive performance of N. Am. moose including pregnancy rates reproductive output or twinning rates and fetal sex ratios. A discussion on how many cows get pregnant, how many calves are produced, and what influences these rates.

- see paper - "Fecundity of North American moose (*Alces alces*): a review by A.H. Boer, *Alces* Suppl. 1:1:1-10.
- see paper - Six year study of in utero productivity of Manitoba moose" by V. Crichton - (this volume).

**SESSION C - ADULT - BULL/COW
SEX RATIOS AND
SOCIAL STRUCTURE**

Brief overview of bull/cow sex ratios in hunted and unhunted areas from published and unpublished studies see paper "Moose sociobiology and implications for harvest" by H.R. Timmermann (this volume).

Current adult sex ratios in British Columbia and analysis of 14 years of reproductive data from a selective harvest in Central British Columbia.

- see paper "Relationship between in utero productivity of moose and population sex ratio: an exploratory analysis by D.A. Aitken and K. Child - (this volume).

Importance of a balanced social structure and maintenance of adult sex-ratios - A.B. Bubenik (no manuscript produced).

**SESSION D - MANAGEMENT AND
RESEARCH
IMPLICATIONS**

Setting clear policy objectives including population and harvest targets, season timing, maintaining adult sex ratios, and adjusting harvest rates

- see paper "Moose sociobiology and implication for harvest by H.R. Timmermann - (this volume).

Research needs including coordinated studies in breeding physiology - C.C. Schwartz and A.B. Bubenik (no manuscript produced).