



A division of Canadian Science Publishing
a not-for-profit publisher

[Login](#) [Register](#) [Shibboleth](#) [Mobile](#)
[Cart](#)

[Advanced Search](#)

All Journals

Canadian Journal of Zoology

[Home](#) [CSP](#) [Journals](#) [Books](#) [Open Access](#) [Authors](#) [Librarians](#) [Societies](#) [About the Press](#) [Contact](#) [Help](#) [Français](#)

[Home](#) > [Journals](#) > [Canadian Journal of Zoology](#) > [List of Issues](#) > [Volume 57, Number 9, September 1979](#) > Comparison of blood characteristics in plains bison, wood bison, and t...



Performing your original search, **[Anywhere in Content:: peden d g j kraay 1979 comparison blood characteristics plains bison wood bison hybrids can j zool 57] AND [Anywhere in Content:: 1778 1784]**, in NRC Research Press will retrieve **2 citations**.

Article

[« Previous](#) [TOC](#) [Next](#)

Comparison of blood characteristics in plains bison, wood bison, and their hybrids

D. G. Peden, G. J. Kraay

Canadian Journal of Zoology, 1979, 57(9): 1778-1784, 10.1139/z79-231

[PDF \(867 K\)](#)
[PDF-Plus \(403 K\)](#)
[Citing articles](#)

ABSTRACT

Two hundred and eight blood samples were collected from four plains bison herds, one wood bison herd, and one herd that is assumed to be a hybrid between wood and plains bison. Haemolytic tests were made using 13 cattle blood typing reagents. Red cell carbonic anhydrase alleles were checked using electrophoresis. The frequencies of each blood trait within each of the six herds were determined. Comparisons of all possible pairs of herds for each trait were made and at least two significant differences ($P < 0.05$) were found in every case. Ten blood characteristics were used to discriminate among the six herds. Bison from Santa Catalina Island, California, were similar to those from the National Bison Range, Montana, and they jointly differed from the herd from Oklahoma and the three from Canada. The Canadian herds, which included wood bison, hybrid bison, and plains bison, were relatively similar to each other. Differences among the plains bison herds were at least as great as those among the two subspecies and their hybrids. These findings are discussed in relation to herd histories and to the variability among North American bison populations.

Cited by

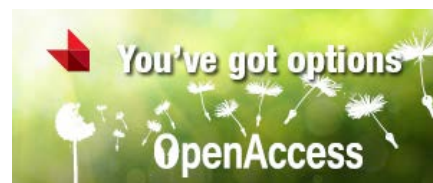
[View all 4 citing articles](#)

Article Tools

- [Like](#) 0
- [Add to Favorites](#)
- [Download Citation](#)
- [Email a Colleague](#)
- [Reprints & Permissions](#)
- [Citation Alerts](#)
- [Download Adobe Reader for PDFs](#)

Journal Tools

- [Get an email alert for the latest issue](#)
- [Check out the journal's featured content](#)
- [Follow the Journal](#)
- [Subscribe Now](#) or [click here](#) for more information



The CSP Blog

Learn more about the
ADVANTAGES

of publishing in an
NRC Research Press
journal

Get the latest
NEWS
from
NRC Research Press
journals



What we're blogging about

➤ **Balancing the BENEFITS and RISKS of physical activity in children - CSEP takes a stand**
Posted: Aug 21, 2014

Earlier this week, the Canadian Society of Exercise Physiology (CSEP) took a stand on the promotion of childhood physical activity...

➤ **Assessing the science attitudes, engagement and knowledge of Canadians**
Posted: Aug 17, 2014

Coming Soon - Science Culture: Where Canada Stands - A new report from the Council of Canadian Academies due August...

Canadian Science Jobs

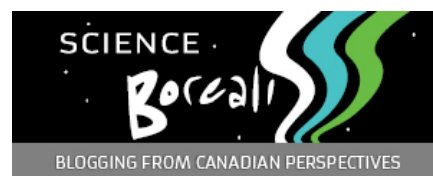
Latest Jobs

[Post a job »](#)

Electrical Heat Tracing Specialist
Job Location: Canada-Alberta-Calgary
Job Category: Engineering
Posting Date: 11-Aug-2014

Intermediate Environmental Scientist (Emergency Response)
Job Location: Canada-British Columbia-Burnaby
Job Category: Engineering

[View all jobs »](#)



Connect With Us



Alerts



CSP Blog



Facebook



Twitter



YouTube



Flickr



LinkedIn



RSS



© Copyright 2014 – Canadian Science Publishing



