

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Nebraska Anthropologist

Anthropology, Department of

1983

The Nebraska Anthropologist Volume 6 (1983) Contents

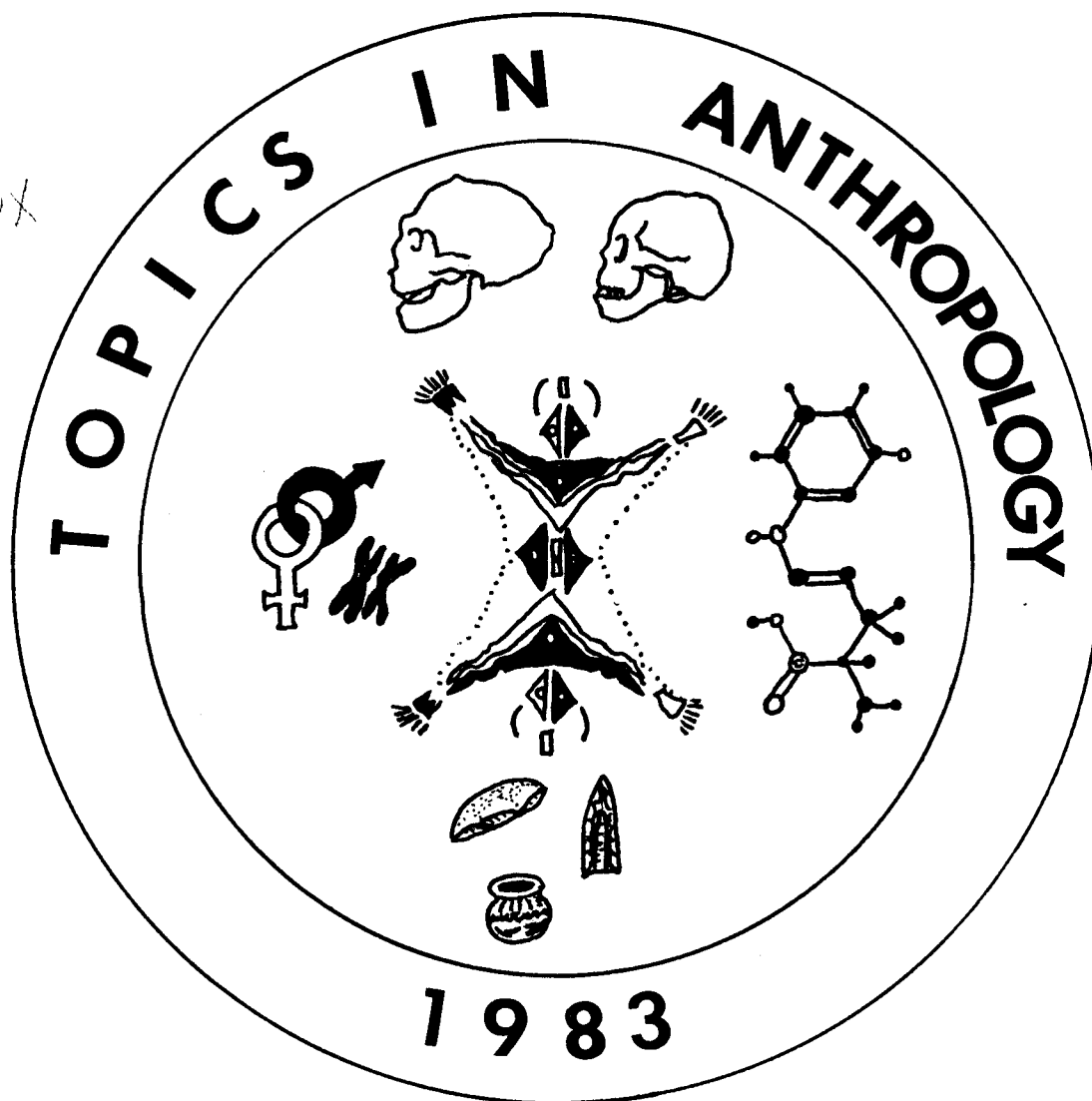
Follow this and additional works at: <https://digitalcommons.unl.edu/nebanthro>



Part of the [Anthropology Commons](#)

"*The Nebraska Anthropologist* Volume 6 (1983) Contents" (1983). *Nebraska Anthropologist*. 155.
<https://digitalcommons.unl.edu/nebanthro/155>

This Article is brought to you for free and open access by the Anthropology, Department of at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Nebraska Anthropologist by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.



THE NEBRASKA ANTHROPOLOGIST Volume 6

**Anthropology Student Group
Department of Anthropology**

**University of Nebraska
Lincoln**

The *Nebraska Anthropologist* is a publication of the UN-L Anthropology Student Group, a group of approximately 40 active graduate and undergraduate anthropology majors and other interested students and individuals. Its publication serves to disseminate unfunded student research in the subfields of anthropology.

The *Nebraska Anthropologist* welcomes original contributions on anthropology or related fields. Manuscripts for submission should be typed, double spaced throughout and should closely follow style and editorial policy of the *American Anthropologist*. An informal review system, involving faculty and students, is employed in article/mongraph selection.

Volume 1 of the *Nebraska Anthropologist* is out of print; Volumes 2 and 3 are available for \$1.00 each. Volume 4 may be purchased for \$2.50. Volume 5 and the present Volume are available for \$3.50.

Address all correspondence to:

The NEBRASKA ANTHROPOLOGIST
Anthropology Student Group
Department of Anthropology
University of Nebraska
Lincoln, Nebraska 68588-0619

Eric Petersen
Chris Schoen
Elizabeth Barker
Editors, Volume 6

TOPICS IN
ANTHROPOLOGY

THE NEBRASKA ANTHROPOLOGIST

Volume 6

Anthropology Student Group
Department of Anthropology
University of Nebraska
Lincoln

1983

JUN 02 1995
UNIVERSITY OF NEBR.
LIBRARY

ACKNOWLEDGEMENTS

The Anthropology Student Group would like to thank the following for their assistance in the production of this publication:

Department of Anthropology, UN-L

Dr. Alan Osborn, Faculty Advisor/Editor

Barrett P. Brenton, Illustrator

Eric C. Petersen, Senior Editor

Dorothy McEwen, Typist

with

Financial Assistance Provided by Champe Fund

TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	i
HUMAN ADAPTATIONS IN THE ANDES: A LOOK AT NUTRITION AND BRAIN FUNCTION WITH RESPECT TO COCA AND HIGH ALTITUDE PHSIOLOGICAL ADAPTATIONS	1
<i>(Barrett P. Brenton)</i>	
Introduction	2
Biochemical Aspects of Tryptophan and Serotonin.....	2
Nutritional Control of Brain Tryptophan and Serotonin..	3
Food and Nutrition in the South American Andes.....	7
Diet Composition and Tryptophan/Serotonin Production...	9
The Affects of Coca Chewing and Serotonin in Thermoregulation.....	16
Possible Effects of Coca Alkaloids and Serotonin in Hypoxia.....	18
Conclusion.....	23
References	25
MANIOC AND FISH: A "METHIONONIAN" COMPROMISE IN AMAZONIA?	28
<i>(Tom Langdon)</i>	
References.....	59
EARLY AUSTRALOPITHECINE SEED EATERS: A VALID HYPOTHESIS..	63
<i>(Cathie Masters)</i>	
Expectations for climate	68
Expectations for available wild grasses and grains.....	68
Expectations for niche availability.....	70
Expectations for a seed eating technology in the archaeological record	74
Expectations for a seed eating physiology.....	77
Expectations for a seed eating dental morphology.....	79
Expectations for optimal foraging	85
Conclusion	86
References	88

TABLE OF CONTENTS (cont.)

	Page
AN ATTEMPT TO PUT ONE ASPECT OF THE CENTRAL PLAINS TRADITION INTO FOCUS	92
<i>(Elizabeth Barker)</i>	
Introduction	93
Eight Basic Assumptions of Relevance to Archaeological Research	93
The Pomona Focus	101
A New Perspective	104
Conclusion	106
Footnotes	107
References	108
PRECIPITATION AND DIVERSITY IN FARMING	111
<i>(Janis Dial)</i>	
Introduction	112
Precipitation as a Limiting Factor	112
Diversification in Farming	113
Problem Statement	116
Methodology	116
Results Regarding Data Sources	123
Results Regarding Precipitation and Diversity	129
Conclusions	131
References	132
AFRICAN INFLUENCE IN MEXICAN FOLKTALES	136
<i>(Carla Mundt)</i>	
References	150
THE PLOW AND ITS INFLUENCE ON THE RISE OF CIVILIZATION	152
<i>(Tom Langdon)</i>	