Omaha’s Henry Doorly Zoo
Omaha Nebraska
Nutrition Internship
June 1st to August 18th
7:30-Close

Nathan O’Brate

Omaha’s Henry Doorly Zoo

- Established in 1894.
- #1 Attraction
- 1963 Margaret Doorly - $750,000
- 1992 Leid Jungle
- 2002 Desert Dome
- 4 Missions of Zoos
- Bill and Berniece Grewcock Center for Conservation and Research

Background

- Lee Richardson Zoo
- National Aviary
- Dairy Research
- Nutrition Classes
  - Fundamentals of Nutrition, Principles of Feeding, Monogastric, Swine, Equine, Ruminant, Dairy, Feedlot, Formulation of Poultry and Livestock Diets

Dr. Cheryl Morris

- Background:
  - Human Nutrition
  - Ruminant Nutrition
  - Comparative Nutrition
- Felid TAG
- Small Carnivore TAG
- Different Style
- Diet Research, Formulation, Bureaucratic things

Zoo Nutrition

- Intent?

Zoo Nutrition

- Classes of Nutrients
  - Water, Protein, Carbohydrates, Fat
  - Vitamins, and Minerals
  - Also Total Energy
- Water – All diet research based on Dry Matter (DM)
Nutrients

- Carbohydrates
  - Fiber
  - Total Digestible

- Proteins
  - Crude Protein

- Fats
  - Fat Extractor, Gas Chromatography

- Vitamins & Minerals
  - Midwest & Ash

Lab

- Routine was different everyday
- Lemur Project
- Miscellaneous testing
- There for half the day
  - Plus weekends

Lab Work

- Creating Supplements
- Making Specialty Diets
- Prepping Samples
- Running Energies - Calories

Diet Kitchen

- Make Diets
- There for the other half of the day
Experience

- Worked approx. 8 hours a day 5-7 days a week
- Finding an Internship
- Expectations for Internship
- Benefits/Drawbacks

Questions?