Thursday, January 13th

1:00  Welcome

1:20  Societal and Legislative Challenges for Animal Agriculture
     – Robert G. Zimbelman

2:00  Unsaturated Fats – The Rumen and Beyond - Charles R. Staples

2:40  Ration Management: Impacts and Consequences on Performance
     - Sandra Stokes

3:20  Refreshment Break

B. Haskins, Presiding

3:40  Effects of Carbohydrate Source, Feed Additives and Feeding Systems on
     Response to Supplements for Beef Cattle Fed Forage Based Diets
     - William E. Kunkle

4:20  Planning and Conducting Successful Field Trials to Test Product Effects on
     Animal Performance - H. H. “Jack” Van Horn

Friday, January 14th

MORNING SESSION – W. Kunkle, Presiding

8:00  Effect of Nitrogen Fertilization and Harvest Date on Forage Quality Factors and
     Protein Fractions - Bryan A. Reiling

8:40  Defining Mineral Requirements of the Dairy Cow – Why One Size Does Not Fit
     All – Jesse P. Goff
9:20 Optimizing Immune Competence Through Nutrition - John Arthington

9:50 Refreshment Break

H. H. Van Horn, Presiding

10:10 Physically Effective NDF and Its Use in Formulating Dairy Rations - David R. Mertens

10:50 High Starch Rations for Ruminant Production - Gerald Huntington

11:30 Cottonseed Hulls: Working With A Novel Fiber Source - Mary Beth Hall

12:10 Symposium concludes

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C. R. Staples

Range Cattle REC, Ona, FL

J. Arthington

Guest Speakers

J. Goff US DA, Ames, IA
G. Huntington North Carolina State University
D. Mertens USDFRC, Madison, WI
S. Stokes Texas A & M University
R. Zimbelman FASS, Bethesda, MD

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