Saturday

(no food available at Touch of Nature on Saturday)
4:00 p.m. - Registration
6:00 p.m. - Posters for Sunday can be set up in Indian Lodge.

8:00 p.m. Peter von Hippel Prof. of Chemistry, U. of Oregon
THERMODYNAMIC AND KINETIC STUDIES OF
FUNCTIONAL TRANSCRIPTION COMPLEXES

9:00 -11:30 - Informal Mixer

Sunday

8:00 - 9:00 a.m. - Breakfast

Session # 1: Methods and Ideas
(Moderators: M. Brenowitz and D. Frank)

9:00 - 9:25 J. Shriver
Error Analysis of Solution Structures Determined from NMR Data

9:30 - 9:55 K. M. Pryse
A Pressure Perturbation Investigation of the Folding
of Cytochrome c

10:00 - 10:25 G. Ramsay
Simultaneous Acquisition and Global Analysis of Multiple
Spectroscopic Parameters to Monitor Unfolding
and Binding Reactions

10:30 - 10:45 - Coffee Break

10:45 - 11:10 H. Qian
Perturbation and Relaxation in Statistical Mechanic System:
The Law of Entropy-Enthalpy Compensation of Hidden
Relaxation

11:15 - 11:40 T. Heyduk
Mapping Protein Domains Involved in Macromolecule
Interactions:
A Simple Protein "Footprinting" Approach

11:45 - 12:10 J. Carey
Protein Folding Coupled to Ligand Binding:
A Way to Modulate Affinity and Specificity Independently

12:30 - 1:30 - Lunch

1:30 - 3:00 p.m. Workshop
M. Johnson and M. Straume
Numerical Analysis

3:00 - 4:00 Free time
4:00 - 6:00 p.m. POSTER SESSION #1
6:30 - 7:30 - Dinner

Session #2: Interactions Involving Nucleic Acids
(Moderator: M. Shea)

8:00 -8:25 D. S. Burz
Single-Site Mutations in the C-Terminal Domain of
Bacteriophage λ cI Repressor Reduce or Eliminate Cooperative
InteractionsBetween Dimers Adjacently Bound to OR

8:30 - 8:55 Y. Xu/**Dorothy Beckett** Kinetic and Thermodynamic
Measurements of the Interaction of BirA with Bio-5'-AMP

9:00 - 9:25 J. M. Crenshaw
Interactions of Novel Antitumor Agents and Nucleic Acids

MARC LEWIS

(Posters for Monday can be set up.)

Monday

8:00 - 9:00 a.m. -Breakfast

Session #3: Protein Ligand Interactions
(Moderators: M. Ferrari and M. Daugherty)

9:00 - 9:25 N. Nayal
Predicting Ca++ Binding Sites in Proteins

9:30 - 9:55 S. Pedigo
Equilibrium Calcium Titrations of Calmodulin Monitored by NMR

10:00 - 10:25 K. P. Murphy
Configurational Effects in Antibody-Antigen
Interactions Studied by Microcalorimetry

10:30 - 10:45 - Coffee Break

10:45 - 11:10 V. J. LiCata - Heterotrophic Allostery in Aspartate
Transcarbamylase: Solution Studies

11:15 - 11:40 C. R. Johnson
Oxygen Binding Constants and Stepwise Enthalpies of Oxygen
Binding for Reindeer Hemoglobin at pH 7.4

11:45 - 12:10 A. Morton
Interplay of Hydrophobic and Steric Energies in an
Engineered Binding Site in T4 Lysozyme

12:30 - 1:30 - Lunch
1:30 - 4:00 - Free time
4:00 - 6:00 POSTER SESSION #2
6:00 - 8:00 - BUFFALO TRO

8:00 Julian Sturtevant
Professor Emeritus of Chemistry Yale University

9:00 - Business Meeting, followed by Informal Mixer

Tuesday

8:00 - 9:00 a.m. - Breakfast

Session #4: Protein Stability and Unfolding (Moderators: W. Bolen and D. Xie)

9:00 - 9:25G. I. Makhatadze
Does Guanidinium Chloride Always Destabilize Proteins?

9:30 - 9:55 K. S. Gajiwala
Dissecting the Stability of Ribonuclease T1

10:00 - 10:25 P. D. Thomas
Modelling the Mechanism of Protein Denaturation by Alcohols

10:30 - 10-45 - Coffee Break

10:45 - 11:10 S. Edmundson Structure of an Extremely
Thermostable Protein

11:15 - 11:40 L. R. Fee The Contribution of Buried and Exposed
Aromatic Amino Acids to the Stability of Ribonuclease T1

11:45 - 12:10 Yu. V. Griko Does "Molten Globule" Melt?

12:30 - 1:30 - Lunch Checkout by 2:00 p.m. Little Grassy Lodge