

## CONTENTS

ASHRAE Semiannual Meeting, 1974 .....	6
Host Chapters, California and Los Angeles .....	8
State-of-the-Society Report by Roderick R. Kirkwood .....	9
<b>KEYNOTE ADDRESS:</b>	
Improved Energy Utilization: Key to the Resolution of the Energy Crisis, by Robert T. Jaske .....	11
Guest Speaker: The Hon. Mike Gravel, U.S. Senator - Alaska .....	20
Program and Abstracts .....	22

### **TECHNICAL SESSIONS: (listed by Technical Paper Nos.)**

2294 Air Temperature and Humidity Response to Cleaning Water Loads in Laboratory Animal Storage Facilities, By Robert L. Gorton and Emerson L. Besch .....	37
2295 Perception of Odor Intensity and the Time-Course of Olfactory Adaptation, by William S. Cain .....	53
2296 Determination of Odor Components in Tobacco Smoke, by Andrew Dravnieks, Joyce Whitfield and Joan Shah .....	76
2297 Physiological Effects of Locally Cooling the Head in a 95F and 75% RH Environment, by N.Z. Azer and Ralph G. Nevins .....	93
2298 The Effects of Air Movement and Temperature on the Thermal Sensations of Sedentary Man, by Frederick H. Rohles, Jr, James E. Woods and Ralph G. Nevins .....	101
2299 A Composite Ensemble Method for Estimating Thermal Insulating Values of Clothing, by Clyde H. Sprague and Deanna M. Munson .....	120
2300 The Prediction of Thermal Sensation for Man in Moderate Thermal Environments via a Simple Thermoregulatory Model, by Clyde H. Sprague, R.B. Jai, Ralph G. Nevins and N.Z. Azer .....	130
2301 Off Peak Domestic Hot Water Systems for Large Apartment Buildings, by Venkata S. Manian and William Chackeris .....	147
2302 Propeller Fan Stresses and Vibrations, by Werner Soedel .....	166
2303 Dynamic Response Characteristics of a Discharge Air Temperature Control System at Near Full and Part Heating Load, by Douglas C. Hamilton, Robert G. Leonard and Joseph T. Pearson .....	180
2304 Refrigeration Compressor Performance as Affected by Suction Vapor Superheating, by William D. Cooper .....	195

### **SYMPOSIA: (listed by Code Nos. For Individual Paper Titles, see Program and Abstracts, p. 22; for Authors, see Authors' Index, p.207)**

LA-74-1 Industrial Environment - Evaporative Cooling .....	209
LA-74-2 Control of Fire and Smoke .....	229
LA-74-3 Energy Factors in the Design and Use of Room Air Conditioners and Refrigerators .....	263
LA-74-4 Reliability of Compressors in Large Field-Erected Systems .....	283
LA-74-5 Heat Recovery .....	309
LA-74-6 Refrigeration in the Postharvest Handling of Perishable Produce and Cut Flowers .....	335
LA-74-7 Hot Water Supplies to Laundries .....	363
LA-74-8 Practical Applications of Computer Controlled Systems .....	393
LA-74-9 Control Applications for Energy Conservation .....	411
LA-74-10 Air Conditioning for Particulate Control in Industrial Processes .....	439
LA-74-11 Variable Air Volume Systems .....	473

## **CONTENTS (Cont'd)**

<b>SOCIETY BUSINESS</b>	
Honorary Members .....	506
ASHRAE Past Meetings .....	506
ASHRAE International Associates .....	506
Honors and Awards .....	507
Fellows .....	509
Authors' Index .....	207

The following items will appear in Volume 80, Part II:

Officers, Directors, Committeemen, Staff

Chapters Regional Committees

Chapter Officers

ASHRAE Technical Committees & Task Groups

ASHRAE Standard Project Committees

ASHRAE Intersociety Representatives

Past Presidents (Presidential Members)

In Memoriam

Bylaws

**TRANSACTIONS EDITOR: James J. Farrell**