

CONTENTS

		Page
	ASHRAE Annual Meeting, 1971	1
	The Passing Parade, by Frank H. Bridgers (1970-71)	8
	Personal Involvement: The Impact of Individual Effort, by Dr. Stanley F. Gilman (1971-72)	9
	Program	10
	Host Chapter, Washington, D.C.	13
	KEYNOTE ADDRESS: Engineering Excellence or Societal Regulation? by Dr. David L. Morrison	14
	Abstracts	21
Transaction No.		
2193	Variations in Students' Test Performances and in Classroom Temperatures in Climate Controlled and Non-Climate Controlled Schools, by R. D. Pepler	35
2194	The Thermal Comfort of Teachers in Climate Controlled and Non-Climate Controlled Schools, by R. D. Pepler	43
2195	Efficiency Evaluation of Odor Control Devices, by W. H. Mapes and R. F. Vance	52
2196	Thermal Analysis of Heat Removal Troffers, by R. G. Nevins, H. E. Straub and H. D. Ball	58
2197	A Calorimeter to Determine Cooling Load Caused by Lights, by G. P. Mitalas and K. Kimura	65
2198	Performance Characteristics of an Energy Recovery System, by G. W. Sadler and R. A. Campbell	73
2199	Dynamic Response of a Finned-Coil Refrigerant Evaporator to Step Changes in Refrigerant Flow Rate, by W. F. Stoecker, J. E. Shahan and S. A. Mumma	80
2200	Computer Calculation of the Thermodynamic Properties of Refrigerants 12, 22 and 502, by G. T. Kartsounes and R. A. Erth	88
2201	Refrigerant Forced-Convection Condensation Inside Horizontal Tubes, by S. Bae, J. A. Maulbetsch and W. M. Rohsenow	104
2202	Calculation of Heat Conduction Transfer Functions for Multi-Layer Slabs, by D. G. Stephenson and G. P. Mitalas	117
2203	An Insulation "Dividend" Based on the Comfort Equation, by F. W. Hutchinson	127
2204	The Anisotropy of Clear Sky Diffuse Solar Radiation, by C. W. Morris and J. H. Lawrence	136
2205	Experimental Determination of Transient Thermal Conditions in a Ventilated Ship's Hold, by F. W. Hutchinson	143
2206	Computation of Bearing and Unbalance Forces in Reciprocating Refrigeration Compressors, by G. W. Gatecliff and E. R. Lady	154
2207	Use of an Absorber Heat Exchanger in the Absorption Refrigerating Machine, by E. P. Whitlow	166
2208	Rating Solenoid Valves for Vapor Refrigerant Flow, by G. T. Kartsounes and D. R. Tree	174
2209	Digital Computer Analysis of the Performance of a Refrigerant Forced Draft Cooler, by A. C. Pittas and R. T. B. McKenzie	180
2210	Room Air Distribution Performance of Four Selected Outlets, by P. L. Miller	194
2211	A Further Analysis of Room Air Distribution Performance, by P. L. Miller and R. T. Nash	205
2212	Performance Analysis of Return Air Duct Branch Inlet Fittings, by C. M. Ashley	213
2213	The Behavior of a Downward-Directed Heated Wall Jet, by R. Abdulhadi and C. O. Pedersen	222

CONTENTS (Cont' d.)

Page

ASHRAE Officers – August 1971-June 1972 230
ASHRAE Board of Directors – August 1971-June 1972 230
General Committees – August 1971-June 1972 230
Special Committees – August 1971-June 1972 230
Chapters Regional Committees – August 1971-June 1972 232
ASHRAE Standards Project Committees – August 1971-June 1972 234
Technical Committees and Task Groups – August 1971-June 1972 236
ASHRAE Intersociety Representatives 240
Chapter Officers – August 1971-July 1972 242
Past Presidents 247
Honorary Members 248
Past National Meetings 248
ASHRAE International Affiliate 248
Honors and Awards 249
Fellows 252
In Memoriam 253
Index 254
Bylaws Vol. 77, Part I, 267

TRANSACTIONS EDITORIAL STAFF

Editor David Houston
Associate Editor Norma J. Orsulak