

Symposium Program

General Chairman, N. K. HIESTER

Program Chairman, D. D. CUBICCIOTTI

<i>Keynote Address</i>	1
E. TELLER	

TECHNIQUES AND MEASUREMENTS

Chairman, P. DUWEZ

Assistant Chairman, R. MIXER

<i>Image Furnace Research</i>	7
C. P. BUTLER	
<i>Experiments with High Intensity Electric Discharges</i>	21
G. M. GIANNINI, A. C. DUCATI, W. F. VON JASKOWSKY, D. RAGUSA	
<i>The Accuracy and Precision of Measuring Temperatures Above 1000°K</i>	33
H. J. KOSTKOWSKI	
<i>Measurement of Flux, Emittance, and Related Properties</i>	45
H. H. BLAU, JR.	
<i>The Interaction of High Temperature Air with Materials During Re-entry</i>	54
M. C. ADAMS AND E. SCALA	

MATERIALS

Chairman, E. EPREMIAN

Assistant Chairman, F. HALDEN

<i>Refractory Metals</i>	61
R. I. JAFFEE	
<i>Oxides for High Temperature Applications</i>	76
W. D. KINGERY	
<i>Graphite, Carbide, Nitride and Sulfide Refractories</i>	90
L. M. LITZ	
<i>Silicides, Borides, Aluminides, Intermetallics and Other Unique Refractories</i>	113
J. H. WESTBROOK	
<i>Materials and Techniques for Thermal Transfer and Accommodation</i>	129
H. A. KING	

PROCESSES

Chairman, L. BREWER

Assistant Chairman, F. KENESHEA, JR.

<i>High Pressure Methods</i>	145
H. T. HALL	
<i>Condensed State Reactions and Phase Equilibria</i>	157
ALAN W. SEARCY	
<i>Fused Salt Chemistry</i>	169
J. JANZ	
<i>Pyrometallurgy</i>	182
H. H. KELLOGG	
<i>High Temperature Chemical Synthesis</i>	192
R. C. PHILLIPS AND F. A. FERGUSON	

BEHAVIOR OF MATERIALS

Chairman, R. F. WALKER Assistant Chairman, T. MILNE

<i>Mechanical Property Behavior of Metals at Elevated Temperatures</i>	198
N. J. GRANT	
<i>Thermoelectric Power</i>	212
C. M. KELLEY	
<i>Mass Spectrometry Applied to High Temperature Chemistry</i>	219
M. G. INGRAM AND J. DROWART	

RESEARCH ABROAD

Chairman, R. M. BURNS Assistant Chairman, L. BRATT

<i>High Temperature Research in the United Kingdom</i>	241
J. WHITE	
<i>Recent French Contributions to High Temperature Research</i>	253
F. TROMBE AND M. FOEX	
<i>High Temperature Research Activity in Germany</i>	272
W. LOCHTE-HOLTGREVEN	
<i>High Temperature Research in Japan</i>	277
H. MIH	
<i>On the High Temperature Research in Scandinavia</i>	292
H. FLOOD	

DISCUSSION

<i>Comments on the Activities of the IUPAC Commission on High Temperatures and Refractories</i>	303
R. F. WALKER	
<i>Answers to Questions by Speakers and Discussion of Papers by Attendees</i>	
<i>I—Techniques and Measurements</i>	305
<i>II—Materials</i>	320
<i>III—Processes</i>	335
<i>IV—Behavior of Materials</i>	344

