

# SYMPOSIUM ON STRENGTH AND DUCTILITY OF METALS AT ELEVATED TEMPERATURES

WITH PARTICULAR REFERENCE TO  
EFFECTS OF NOTCHES AND  
METALLURGICAL CHANGES

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Presented at the Fifty-fifth Annual Meeting  
(FIFTIETH ANNIVERSARY MEETING)  
AMERICAN SOCIETY FOR TESTING MATERIALS  
New York, N. Y., June 23, 1952



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*ASTM Special Technical Publication No. 128*  
FIFTIETH ANNIVERSARY PUBLICATION

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## FOREWORD

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The papers and discussions in the Symposium on Strength and Ductility of Metals at Elevated Temperatures with Particular Reference to Effects of Notches and Metallurgical Changes were presented at the First, Third, and Sixth Sessions of the Fifty-fifth Annual Meeting of the American Society for Testing Materials held in New York, N. Y., June 23, 1952. The paper by D. E. Furman and A. M. Talbot, "Notch Rupture Tests on Inconel X and Nimonic 80A," is also being included as being of interest.

This Symposium was sponsored by the Joint ASTM-ASME Committee on Effect of Temperature on the Properties of Metals. Mr. G. V. Smith, Research Laboratory, U. S. Steel Corp., acted as Symposium chairman, while Mr. E. L. Robinson, General Electric Co., Mr. J. D. Lubahn, General Electric Research Laboratory, and Mr. H. C. Cross, Battelle Memorial Institute, acted as chairmen for the First, Third, and Sixth Sessions, respectively.

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NOTE.—The Society is not responsible, as a body, for the statements  
and opinions advanced in this publication.

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## CONTENTS

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	PAGE
Introduction—J. D. Lubahn and G. V. Smith . . . . .	1
A Survey of Embrittlement and Notch Sensitivity of Heat Resisting Steels—George Sachs and W. F. Brown, Jr. . . . .	6
Discussion . . . . .	21
Influence of Sharp Notches on the Stress-Rupture Characteristics of Several Heat-Resisting Alloys—W. F. Brown, Jr., M. H. Jones, and D. P. Newman . . . . .	25
Discussion . . . . .	46
Effect of a Notch and of Hardness on the Rupture Strength of "Discaloy"—F. C. Hull, E. K. Hann, and H. Scott . . . . .	49
Discussion . . . . .	58
Notch Rupture Tests on Inconel X and Nimonic 80A—D. E. Furman and A. M. Talbot . . . . .	59
Effect of Notch Geometry on Rupture Strength at Elevated Temperatures—E. A. Davis and M. J. Manjoine . . . . .	67
Discussion . . . . .	88
Investigations into the Influence of Notches on Creep Strength at High Temperatures—W. Siegfried . . . . .	93
Theory of Time-Dependent Rupture and Interpretation of Some Stress-Rupture Data—D. N. Frey . . . . .	131
Discussion . . . . .	138
The Effect of Grain Size Upon the Fatigue Properties at 80, 1200 and 1600 F of "Precision Cast" Alloy X-40—P. R. Toolin . . . . .	142
Discussion . . . . .	160
Recovery and Creep in an Alloy Steel—H. A. Lequear and J. D. Lubahn . . . . .	163
Discussion . . . . .	180
An Experimental Study of the Strength and Ductility of Steel at Elevated Temperatures—J. Glen . . . . .	184
Discussion . . . . .	222
Effect of Sigma on Strength and Ductility of 25 Cr, 20 Ni Steel—G. V. Smith and E. J. Dulis . . . . .	225
Discussion . . . . .	236
The Structure and Properties of Stainless Steels After Exposure at Elevated Temperatures—A. B. Wilder and E. F. Ketterer . . . . .	237
Discussion . . . . .	247

THIS PUBLICATION is one of many issued by the American Society for Testing Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the A.S.T.M. technical committees, or compilations of data developed in special Society groups with many organizations co-operating. A list of A.S.T.M. publications and information on the work of the Society will be furnished on request.