Contents

Pr	eface .		•				٠		•			•	v
Lis	st of Conti	ribute	ers	•						•			хi
	SESSION	۱ I—			DEV PRE					U LT I	RASC	ONICS	
	Develop Vessels G. J. Dau			•					ation	of !	Pressi	ure	3
	ench Devo Vessels P. Dимом									of I	Pressi	ure	19
	panese De Vessels S. Takam				he Ul	ltrasc	onic E	xami	natio	n of l	Press	ure	25
	K Develo Vessels M. J. Wні	•			Ultr	asoni	ic Ex	amin	ation	of :	Press	ure	49
	erman Dev Vessels V. Sснміт											ure	65

viii Contents

Italian Developments in the Ultrasonic Examination of Pressure	
Vessels	83
V. Regis (Italy)	
Discussion on Session I	119
SESSION II—RECENT DEVELOPMENTS IN OTHER NDE TECHNIQUES	
European Developments in Radiological Methods P. S. Jehenson (Italy)	123
US Developments in Radiological Methods	139
European Developments in Eddy Current Methods D. CHIRON, F. BODSON and J. P. LAUNAY (France)	163
Indian Developments in Ultrasonics and Acoustic Emission Methods	171
General Review of Developments in Acoustic Emission Methods F. TONOLINI, A. SALA and G. VILLA (Italy)	179
US Developments in NDE for Steam Generators A. S. Birks, S. D. Brown, A. E. Curtis, III and C. S. Welty, Jr (USA)	203
European Developments in NDE for Steam Generators B. S. $GRAY(UK)$	209
European Developments in NDE for Primary Pipework P. J. MUDGE (UK)	219
European Developments in Theoretical Modelling of NDE for Pipework	227
Discussion on Session II	269

SESSION III—ASSES	SM	ENT	OF 1	NDE	EFF:	ECTI	VEN	ESS	
A Review and Further Ar Detection Trials . R. A. MURGATROYD and l					lts o	f the	Defe	ect	275
Status of Stainless Steel Pipe G. J. Dau, M. M. Behrav						USA)		•	295
Discussion on Session III			•	•			•		307
SESSION IV-	-TH	E PIS	SC II	PRC)GR/	AMM	E		
Summary of the PISC II Pro S. CRUTZEN (Italy)	ject:	PISC	II R	eport	No.	1—Ju	ine 19	85	311
Discussion on Session IV			•		•			•	347
SESSION VFUTURE		PECT STUE	-	F NI	E EI	FFEC	TIVI	ENE	SS
PISC III Proposals . S. CRUTZEN (Italy)	•		•		•			•	355
Discussion on Session V					•	•			365
Index									367