

P A R T A - C O N T E N T S

E.M. WINKLER, The effect of residual stresses in stone	3
A. ARNOLD, Nature and reactions of saline minerals in walls	13
R. SNETHLAGE, Dissolution of carbonatic grain cement of sandstones by sulfuric acid attack	25
E.N. CANER, Decay zones of limestone and dolomite	37
K. NIESEL, Durability of porous building stone: importance of judgement criteria related to its structure	47
M. MAMILLAN, Connaissances actuelles des problèmes de remontées d'eau par capillarité dans les murs	59
E. LEARY, A preliminary assessment of capillarity tests as indi- cators of the durability of British limestones	73
F. GIRARDET, C. FELIX, Accumulation des composés soufrés dans un mur en molasse abrité de la pluie à l'Eglise St.-Franc.ois - Lausanne - Suisse	91
J.P. PAULY, Analyse des courbes thermiques enregistrées dans les murs	107
M. MONTE SILA, G. TARANTINO, The metabolic state of microorgan- isms of the genus thiobacillus on stone monuments	117
G. ALESSANDRINI, P. BALENCI, C. PIETRAMELLARA, G. TAMPONE, S. VANNUCCI, Investigation on the degradation of stone: X - Effects of finishing techniques on sandstones and marble	139
P. BALENCI, C. PIETRAMELLARA, G. TAMPONE, S. VANNUCCI, Investi- gation on the degradation of stone: XI - Historical research on the techniques of working	165
H. JEDRZEJEWSKA, Physico-chemical factors in the conservation of stone	195
S.Z. LEWIN, A.E. CHAROLA, Stone decay due to foreign inclusions	205
C. FELIX, Caractères pétrographiques et comportement par rapport à l'eau de grès molassiques du Plateau suisse. Comparaison avec d'autres grès	219

S. JAPERTAS, On the main decay factors in unheated stone monuments	233
G. ACCAEDO, S. MASSA, P. ROSSI-DORIA, P. SAMMURI, M. TABASSO, Artificial weathering of Carrara marble: relationships between the induced variations of some physical properties	243
G. HELMS, N.S. BAER, The James B. Duke House: a documentation study	275
R.M. ESEERT, J. ORDAZ, F.J. ALONSO, J.M. ALBA, Petrographic and physical study of the building stones from Leon Cathedral (Spain)	285
E. MELLO, Recherches sur les causes de dégradation d'un grès lombard: la pierre d'Oggiono de la Chapelle Expiatoire de Monza	299
F. ZEZZA, The weathering of the limestone of Trani Cathedral	315
A. BLANC, C. JATON, G. ORIAL, Etude des matériaux et des alterations de la façade de Notre-Dame-La-Grande de Poitiers avant restauration	333
M. CUTTANO, P. MASTRONARDI, R. ROSSI-MANARESI, Alveolar weathering of the "tuff" of Matera. Mechanism of deterioration and effectiveness of preservation treatments	355
O. SALVADORI, A. ZITELLI, Monohydrate and dihydrate calcium oxalate in living lichen incrustations biodeteriorating marble columns of the Basilica of Santa Maria Assunta on the island of Torcello (Venice)	379
B. PENKALA, W. DANILECKI, E. BRALEWSKA, R. KRZYWOBLOCKA-LAUROW, Structure investigations of stone material from the Romanesque Cistercian church in Sulejow, Poland	391
V. FASSINA, A. BONARRIGO, A. ONGARO, An air pollution survey inside the Basilica of Torcello in relation to the deterioration of mosaics	401
G.P. DE VECCHI, L. LAZZARINI, L. MENEGAZZO VITTÜRI, Deterioration due to salt efflorescence on interior marble facings of the church of S. Maria dei Miracoli, Venice	417
S.B. CURRI, A. PALENI, Histochemical procedures for the evaluation of organic components in deteriorated stone materials	445
M. DUPAS, Méthodes d'analyse chimique appliquées à l'étude de l'altération et de la conservation des matériaux pierreux	455
P. TIANO, U. MATTEOLI, C. MANGANELLI DEL FA ¹ , P. FREDIAKI, F. PIACENTI, Humidity in stones - I - A new procedure for the determination of humidity and temperature in stones	465
O. MATTEOLI, C. MANGANELLI DEL FA', P. FREDIANI, P. TIANO, F. PIACENTI, Humidity in stones - II - Humidity and temperature determinations in various lithotypes	475
F. GUIDOBALDI, Acid rain and corrosion of marble. An experimental approach	483

- AHRENS, A supplementary method for determining deterioration of stone reliefs 499
- MEDGYESI, M. BLEUER, G. KRAISEIX, Field examination of load bearing stone structures and the determination of their stability 503
- FANCELLI, Graphic schedule for the diagnosis and conservation practice 513