

E. R. VANCE, L. CARTZ and F. G. KARIORIS X-ray diffraction and leaching of $\text{CsAlSi}_5\text{O}_{12}$ and $\text{CsZr}_2(\text{PO}_4)_3$ irradiated by argon (3 MeV) ions	2943
H. HANEDA, I. SHINDO, A. YAMAMURA and S. SHIRASAKI Oxygen self-diffusion in single and polycrystalline magnesio-ferrites	2948
M. RIGDAHL and N. L. SALMEN Dynamic mechanical properties of paper: effect of density and drying restraints	2955
E. D. CASE and C. J. GLINKA Characterization of microcracks in YCrO_3 using small-angle neutron scattering and elasticity measurements	2962
F. POVOLO and J. C. CAPITANI Influence of temperature and stress-relieving treatment of the stress relaxation in bending of Zircaloy-4 near 673 K	2969
J. M. PRADO and J. L. ARQUES Influence of retained austenite on the fatigue endurance of carbonitrided steels	2980
A. BOUDET Characterization of striations in polyethylene single crystals	2989
H. S. Y. HSICH, M. J. HRONAS, H. E. HILL and R. J. AMBROSE Composite rheology Part 2 Effect of filler on the mechanical properties of filled elastomers	2997
S. SURINACH, M. D. BARO, M. T. CLAVAGUERA-MORA and N. CLAVAGUERA Glass formation and crystallization in the $\text{GeSe}_2-\text{Sb}_2\text{Te}_3$ system	3005
H. TSUBAKINO and R. NOZATO Discontinuous precipitation in Cu–Mg alloys	3013
A. PRASAD, R. M. SINGRU, D. BAHAUDUR and D. CHAKRAVORTY Mössbauer studies of the effect of nucleating agents on the crystallization of YIG in the $\text{Na}_2\text{O}-\text{SiO}_2-\text{Y}_2\text{O}_3\text{Fe}_2\text{O}_3$ glass system	3021
M. M. CHAUDHRI The deformation stress of highly brittle explosive crystals from real contact area measurements	3028
C. B. ECKSTEIN and J. R. C. GUIMARÃES Microstructure-property correlation in martensite–austenite mixtures	3043
G. A. HAYES Linear shaped-charge (LSC) collapse model	3049
R. P. BURFORD and M. PITTOLO The mechanical properties of rubber compounds containing soft fillers Part 1 Tensile properties and fracture morphology	3059
A. ATKINSON and A. K. NICKERSON The diffusion of ions through water-saturated cement	3068
J. F. LARTIGUE, M. DUCARROIR and B. ARMAS Calculation of deposition conditions for Si_3N_4 from a SiL_4-NH_3 gas phase ($L = \text{H}, \text{Cl}, \text{Br}, \text{CH}$)	3079
L. SALMEN Viscoelastic properties of <i>in situ</i> lignin under water-saturated conditions	3090
A. INOUE, T. MASUMOTO and H. TOMIOKA Microstructure and mechanical properties of rapidly quenched L2_0 and $\text{L2}_0 + \text{L1}_2$ alloys in Ni–Al–Fe and Ni–Al–Co systems	3097
Y. KIMURA, Y. MISHIMA, S. UMEKAWA and T. SUZUKI Compatibility between carbon fibre and binary aluminium alloys	3107
F. IZUMI, M. MITOMO and Y. BANDO Rietveld refinements for calcium and yttrium containing α -sialons	3115

Addendum

A. M. DONALD and A. H. WINDLE, *J. Mater. Sci.* **19** (1983) 2085.
Fig. 4a is rotated through 180° relative to Figs. 4b and c.
