

Catalogue of monographs, pamphlets, reprints and journals of the  
British Society of Rheology's

## **SCOTT BLAIR COLLECTION**

Deposited in Room 420 of the Physical Sciences Building, University of  
Wales, Aberystwyth

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## **A. Monographs and pamphlets**

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**TP967.A8**

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**TS1892.A4**

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**QC189.5.A5**

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**QC189.5.A1.S6**

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**QC718.5.E45.V5 Pam**

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**TC153.A7**

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**TP967.A8**

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**QA929.5.A8**

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**TS1540.A8**

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**RC691.C4**

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**TX531.B7**

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**QC189.A1.C7 Qto**

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### **QP105.C7**

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**TJ267.5.B5.F6**

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**QC189.5.W6**

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**QP525.C7**

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**R300.M6**

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**TA405.F3**

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**TA405.F3**

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**QC191.F3**

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**TS1548.5.F4**

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**QP105.C7**

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Technique routière, La/De Wegentechniek 24 no.4 (1979); 25 nos.1-3 (1980); 26-29 (1981-84); 30 nos.1-4 (1985); 31 no.1 (1986).

Thrombosis research 1 no.1 (1972); 4 no.1 (1974); 8 supplement no.11 (1976).

Transactions of the Society of Rheology 1-22 (1957-1978)

### C. Reprints donated by Ken Walters

**Reference Type:** Journal Article

**Author:** Abbott, T.N.G.; Walters, K.

**Year:** 1970

**Title:** Rheometrical flow systems part 2: theory for the orthogonal rheometer, including an exact solution of the Navier-Stokes equations

**Journal:** Journal of fluid mechanics

**Volume:** 40

**Issue:** 1

**Pages:** 205-213

**Call Number:** K.W.205

**Reference Type:** Journal Article

**Author:** Adams, N.; Lodge, A.S.

**Year:** 1964

**Title:** Rheological properties of concentrated polymer solutions. 2: a cone-and-plate and parallel-plate pressure distribution apparatus for determining normal stress differences in steady shear flow.

**Journal:** Philosophical transactions of the Royal Society of London A

**Volume:** 256

**Issue:** 1068

**Pages:** 149-184

**Call Number:** K.W.78

**Reference Type:** Journal Article

**Author:** Adbdel-Khalik, S.I.; Hassager, O.; Bird, R. Byron

**Year:** 1974

**Title:** The Goddard expansion and the kinetic theory for solutions of rodlike macromolecules

**Journal:** Journal of chemical physics

**Volume:** 61

**Issue:** 10

**Pages:** 4312-4316

**Call Number:** K.W.203

**Reference Type:** Journal Article

**Author:** Alvarez, G.A.; Lodge, A.S.; Cantow, H.-J.

**Year:** 1985

**Title:** Measurement of the first and second normal stress differences: correlation of four experiments on a polyisobutylene/decalin solution "D1"

**Journal:** Rheologica Acta

**Volume:** 24

**Pages:** 368-376

**Call Number:** K.W.193

**Reference Type:** Journal Article

**Author:** Ashare, Edward; Bird, R. Byron

**Year:** 1965

**Title:** Falling cylinder viscometer for non-Newtonian fluids

**Journal:** AiCHE journal

**Issue:** September

**Pages:** 910-916

**Call Number:** K.W.201

**Reference Type:** Journal Article

**Author:** Astarita, Gianni

**Year:** 1966

**Title:** Spherical gas bubble motion through Maxwell liquids

**Journal:** I & EC fundamentals

**Volume:** 5

**Pages:** 548-553

**Call Number:** K.W.208

**Reference Type:** Journal Article

**Author:** Astarita, Gianni

**Year:** 1967

**Title:** Two dimensionless groups relevant in the analysis of steady flows of viscoelastic materials

**Journal:** I & EC fundamentals

**Volume:** 6

**Pages:** 257-262

**Call Number:** K.W.207

**Reference Type:** Journal Article

**Author:** Astarita, Gianni; Greco, Guido; Nicodemo, Luigi

**Year:** 1969

**Title:** A phenomenological interpretation and correlation of drag reduction

**Journal:** AiCHE journal

**Volume:** 15

**Issue:** 4

**Pages:** 564-567

**Call Number:** K.W.210

**Reference Type:** Journal Article

**Author:** Astarita, Gianni; Nicodemo, Luigi

**Year:** 1972

**Title:** Transport phenomena in turbulent flow of rheologically complex fluids

**Journal:** Progress in heat and mass transfer

**Volume:** 5

**Pages:** 37-50

**Call Number:** K.W.206

**Reference Type:** Journal Article

**Author:** Astin, J.; Jones, R.S.; Lockyer, P.

**Year:** 1973

**Title:** Boundary layers in non Newtonian fluids

**Journal:** Journal de mécanique

**Volume:** 12

**Pages:** 527-539

**Call Number:** K.W.204

**Reference Type:** Journal Article

**Author:** Balasubramanyam, R.; Jones, R.S.; Wheeler, A.B.

**Year:** 1989  
**Title:** Modelling transverse flows of reinforced thermoplastic materials.  
**Journal:** Composites  
**Volume:** 20  
**Issue:** 1  
**Pages:** 33-38  
**Call Number:** K.W.77

**Reference Type:** Journal Article  
**Author:** Ballman, R.L.  
**Year:** 1965  
**Title:** Extensional flow of polystyrene melt.  
**Journal:** Rheologica Acta  
**Volume:** 4  
**Issue:** 2  
**Pages:** 137-140  
**Reprint Edition:** Received January 28

**Reference Type:** Journal Article  
**Author:** Barnes, H. A.; Townsend, P.; Walters, K.  
**Year:** 1971  
**Title:** On pulsatile flow of non-Newtonian liquids.  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 517-527  
**Call Number:** K.W. 67

**Reference Type:** Journal Article  
**Author:** Barnes, H. A.; Walters, K.  
**Year:** 1967  
**Title:** Flow of elastic liquids through curved pipes.  
**Journal:** Nature  
**Volume:** 216  
**Issue:** 5113  
**Pages:** 366-367  
**Call Number:** K.W. 66

**Reference Type:** Journal Article  
**Author:** Barnes, H. A.; Walters, K.  
**Year:** 1968  
**Title:** Dynamic similarity and drag reduction in flow of lastic liquids through curved pipes  
**Journal:** Nature  
**Volume:** 219  
**Issue:** 5149  
**Pages:** 57-59  
**Call Number:** K.W.199

**Reference Type:** Journal Article  
**Author:** Berker, R.  
**Year:** 1979  
**Title:** A new solution of the Navier-Stokes equation for the motion of a fluid contained between

two parallel plates rotating about the same axis

**Journal:** Archives of mechanics

**Volume:** 31

**Issue:** 2

**Pages:** 265-280

**Call Number:** K.W. 196

**Reference Type:** Journal Article

**Author:** Berker, R.

**Year:** 1981

**Title:** An exact solution of the Navier-Stokes equation: the vortex with curvilinear axis.

**Journal:** International journal of engineering science

**Volume:** 20

**Issue:** 2

**Pages:** 217-230

**Call Number:** K.W.60

**Reference Type:** Journal Article

**Author:** Berry, J.P. and Batchelor, J.

**Year:** 1968

**Title:** Determination of  $(p_{22}-p_{33})$  for depolymerized natural rubber and bulk polyisobutylene.

**Journal:** ?

**Call Number:** K.W.70

**Reference Type:** Journal Article

**Author:** Binnington, R.J.; Boger, D.V.

**Year:** 1987

**Title:** Entry flow of semi-rigid rod solutions.

**Journal:** JNNFM

**Volume:** 26

**Pages:** 115-123

**Call Number:** K.W.57

**Reference Type:** Journal Article

**Author:** Bird, R. Byron

**Year:** 1960

**Title:** New variation principle for incompressible non-Newtonian flow

**Journal:** Physics of fluids

**Volume:** 3

**Issue:** 4

**Pages:** 539-541

**Call Number:** K.W.200

**Reference Type:** Journal Article

**Author:** Bird, R. Byron

**Year:** 1972

**Title:** A modification of the Oldroyd model for rigid dumbbell suspensions with Brownian motion.

**Journal:** Journal of applied mathematics and physics (ZAMP)

**Volume:** 23

**Pages:** 157-159

**Call Number:** K.W.75

**Reference Type:** Journal Article  
**Author:** Bird, R. Byron  
**Year:** 1976  
**Title:** Useful non-Newtonian models  
**Journal:** Annual review of fluid mechanics  
**Volume:** 8  
**Pages:** 13-34  
**Call Number:** K.W. 69

**Reference Type:** Journal Article  
**Author:** Bird, R. Byron  
**Year:** 1982  
**Title:** Polymer kinetic theories and elongational flows.  
**Journal:** Chemical Engineering Science  
**Volume:** 16  
**Pages:** 175-187  
**Call Number:** K.W.76

**Reference Type:** Journal Article  
**Author:** Bird, R. Byron  
**Year:** 1985  
**Title:** Kinetic theory of polymeric liquids.  
**Journal:** Accounts of chemical research  
**Volume:** 18  
**Pages:** 364-371  
**Call Number:** K.W. 74

**Reference Type:** Conference Proceedings  
**Author:** Bland, D.R.  
**Year of Conference:** 1957  
**Title:** Application of the one-sided Fourier transform to the stress analysis of linear visco-elastic materials  
**Conference Name:** Conference on the properties of materials at high rates of strain  
**Conference Location:** Institution of Mechanical Engineers, London  
**Publisher:** Institution of Mechanical Engineers  
**Pages:** 1-10  
**Series Title:** Session 4: Impulse loading and stress waves  
**Date:** 1st May  
**Call Number:** K.W.209  
**Notes:** Session 4: Impulse loading and stress waves

**Reference Type:** Journal Article  
**Author:** Bland, D.R.  
**Year:** 1959  
**Title:** On the foundations of linear isotropic visco-elasticity  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 250  
**Pages:** 524-549  
**Call Number:** K.W.198

**Reference Type:** Journal Article  
**Author:** Bland, D.R.; Lee, E.H.  
**Year:** 1955  
**Title:** Calculation of the complex modulus of linear viscoelastic materials from vibrating reed measurements  
**Journal:** Journal of applied physics  
**Volume:** 26  
**Issue:** 2  
**Pages:** 1497-1503  
**Call Number:** K.W.202

**Reference Type:** Journal Article  
**Author:** Booij, H.C.  
**Year:** 1966  
**Title:** Influence of superimposed steady shear flow on the dynamic properties of non-Newtonian fluids.  
**Journal:** Rheologica Acta  
**Volume:** 5  
**Issue:** 3  
**Pages:** 222-227  
**Call Number:** K.W.63

**Reference Type:** Journal Article  
**Author:** Bourne, J.R.  
**Year:** 1965  
**Title:** Letters to the editor: Further relationships for rotating sphere viscometers.  
**Journal:** British journal of applied physics  
**Volume:** 16  
**Call Number:** K.W.73

**Reference Type:** Journal Article  
**Author:** Bowen, G.W.; Broadbent, J.M.; Walters, K.  
**Year:** 1973  
**Title:** Some suggestions for new rheometer designs: III. Anomalous results for highly viscous fluids  
**Journal:** Journal of Physics D: Applied Physics  
**Volume:** 6  
**Pages:** 909-921  
**Call Number:** K.W.197

**Reference Type:** Journal Article  
**Author:** Brenner, Howard  
**Year:** 1962  
**Title:** Effect of finite boundaries on the Stokes resistance of an arbitrary particle.  
**Journal:** Journal of fluid mechanics  
**Volume:** 12  
**Issue:** 1  
**Pages:** 35-48  
**Call Number:** K.W.62

**Reference Type:** Journal Article  
**Author:** Brindley, G.; Keene, D.E.  
**Year:** 1974  
**Title:** On using a Weissenberg rheogoniometer for oscillatory testing of stiff materials  
**Journal:** Journal of Physics E: Scientific instruments  
**Volume:** 7  
**Pages:** 934-937  
**Call Number:** K.W.195

**Reference Type:** Journal Article  
**Author:** Brindley, G.; Broadbent, J.M.  
**Year:** 1973  
**Title:** The measurement of normal stress differences in a cone-and-plate rheogoniometer using flush-mounted pressure transducers.  
**Journal:** Rheologica Acta  
**Volume:** 12  
**Pages:** 48-52  
**Call Number:** K.W.65

**Reference Type:** Journal Article  
**Author:** Brindley, G.; Waterhouse, W.M.  
**Year:** 1975  
**Title:** A note on the measurement and prediction of non-Newtonian material behaviour.  
**Journal:** Rheologica Acta  
**Volume:** 14  
**Pages:** 1032-1035  
**Call Number:** K.W. 68

**Reference Type:** Journal Article  
**Author:** Broadbent, J.M.; Lodge, A.S.  
**Year:** 1971  
**Title:** Determination of normal-stress differences in steady shear flow.  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 557-573  
**Call Number:** K.W. 61

**Reference Type:** Journal Article  
**Author:** Broadbent, J.M. and Mena, B.  
**Year:** 1974  
**Title:** Slow flow of an elastico-viscous fluid past cylinders and spheres.  
**Journal:** Chemical Engineering Science  
**Volume:** 8  
**Pages:** 11-19  
**Call Number:** K.W.71

**Reference Type:** Journal Article  
**Author:** Broadbent, J.M.;Walters, K  
**Year:** 1971  
**Title:** Some suggestions for new rheometer designs 2: interpretation of experimental results.  
**Journal:** Journal of Physics D: Applied Physics

**Volume:** 4  
**Pages:** 1863-1879  
**Call Number:** K.W. 72

**Reference Type:** Journal Article  
**Author:** Broadbent, J.M. et al  
**Year:** 1968  
**Title:** Possible systematic error in the measurement of normal stress differences in polymer solutions in steady shear flow.  
**Journal:** Nature  
**Volume:** 217  
**Issue:** 5123  
**Call Number:** K.W.59

**Reference Type:** Journal Article  
**Author:** Carreau, Pierre J.  
**Year:** 1972  
**Title:** Rheological equations from molecular network theories.  
**Journal:** Transactions of the Royal Society of Rheology  
**Volume:** 16  
**Issue:** 1  
**Pages:** 99-127  
**Call Number:** K.W. 54

**Reference Type:** Journal Article  
**Author:** Cheng, D.C. -H  
**Year:** 1968  
**Title:** The effect of secondary flow on the viscosity measurement using the cone-and-plate viscometer.  
**Journal:** Chemical Engineering Science  
**Volume:** 23  
**Pages:** 895-899  
**Call Number:** K.W.48

**Reference Type:** Journal Article  
**Author:** Clermont, J.R., Pierrard, J.M.; Scrivener, O.  
**Year:** 1976  
**Title:** Experimental study of a non-viscometric flow: kinematics of a viscoelastic fluid at the exit of a cylindrical tube.  
**Journal:** JNNFM  
**Volume:** 1  
**Pages:** 175-182  
**Call Number:** K.W. 55

**Reference Type:** Journal Article  
**Author:** Coleman, B.D.  
**Year:** 1968  
**Title:** On the use of symmetry to simplify the constitutive equations of isotropic materials with memory.  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 306

**Pages:** 449-476  
**Call Number:** K.W.50

**Reference Type:** Journal Article  
**Author:** Coleman, B.D.; Noll, Walter  
**Year:** 1961  
**Title:** Normal stresses in second-order viscoelasticity.  
**Journal:** Transactions of the Society of Rheology  
**Volume:** 5  
**Pages:** 41-46  
**Call Number:** K.W.51

**Reference Type:** Journal Article  
**Author:** Coleman, C.J.  
**Year:** 1978  
**Title:** The effect of extrusion on the mechanical properties for paste polytetrafluoroethylene.  
**Journal:** Polymer engineering and science  
**Volume:** 13  
**Issue:** 4  
**Pages:** 260-263  
**Call Number:** K.W. 56

**Reference Type:** Journal Article  
**Author:** Cousins, R.R.  
**Year:** 1972  
**Title:** Stability of plane Poiseuille flow to finite-amplitude disturbances in viscoelastic fluids.  
**Journal:** International journal of engineering science  
**Volume:** 10  
**Pages:** 511-524  
**Call Number:** K.W. 52

**Reference Type:** Book Section  
**Author:** Davies, A.R.  
**Year:** 1982  
**Title:** Finite difference methods for viscoelastic flow  
**Editor:** Morton, K.W.; Baines, M.J.  
**Book Title:** Numerical methods for fluid mechanics  
**Publisher:** Academic Press  
**Pages:** 323-339  
**Call Number:** K.W. 33

**Reference Type:** Journal Article  
**Author:** Davies, A.R., Cochrane, T.; Al-Faour, O.M.  
**Year:** 1980  
**Title:** The numerical inversion of truncated autocorrelation functions  
**Journal:** Optica Acta  
**Volume:** 27  
**Issue:** 1  
**Pages:** 107-118  
**Call Number:** K.W.31

**Reference Type:** Journal Article  
**Author:** Davies, A.R.  
**Year:** 1982  
**Title:** Finite difference methods for viscoelastic flow  
**Journal:** Numerical methods for fluid dynamics  
**Volume:** ?  
**Pages:** 323-339  
**Call Number:** K.W.33

**Reference Type:** Journal Article  
**Author:** Davies, A.R., Lee, S.J.; Webster, M.F  
**Year:** 1984  
**Title:** Numerical simulation of viscoelastic flow: the effect of mesh size.  
**Journal:** JNNFM  
**Volume:** 16  
**Pages:** 117-139  
**Call Number:** K.W.35

**Reference Type:** Journal Article  
**Author:** Davies, A.R.  
**Year:** 1984  
**Title:** Numerical filtering and the high Weissenberg number problem.  
**Journal:** JNNFM  
**Volume:** 16  
**Pages:** 195-209  
**Call Number:** K.W. 34

**Reference Type:** Journal Article  
**Author:** Davies, A.R.  
**Year:** 1988  
**Title:** Reentrant corner singularities in non-Newtonian flow.  
**Journal:** JNNFM  
**Volume:** 29  
**Pages:** 269-293  
**Call Number:** K.W. 37

**Reference Type:** Journal Article  
**Author:** Davies, J.M, Hutton,J.F.; Walters, K  
**Year:** 1973  
**Title:** Theory for normal stresses in slits and capillaries.  
**Journal:** Journal of Physics D: Applied Physics  
**Volume:** 6  
**Pages:** 2259-2266  
**Call Number:** K.W. 45

**Reference Type:** Journal Article  
**Author:** Davies, J. M.; Walters, K.  
**Year:** 1974  
**Title:** On the measurement of dynamic properties of lubricants under E.H.L. conditions using a disc machine.  
**Journal:** Journal of mechanical engineering science

**Volume:** 16  
**Issue:** 5  
**Pages:** 331-338  
**Call Number:** K.W. 46

**Reference Type:** Journal Article  
**Author:** Davis, William M.; Macosko, Christopher W.  
**Year:** 1974  
**Title:** Mechanical equilibrium for eccentric rotating disks.  
**Journal:** AiCHE journal  
**Volume:** 20  
**Issue:** 3  
**Pages:** 600-602  
**Call Number:** K.W.27

**Reference Type:** Journal Article  
**Author:** Dealy, John M.  
**Year:** 1984  
**Title:** Official nomenclature for material functions describing the response of a viscoelastic fluid to various shearing and extensional deformations  
**Journal:** Journal of Rheology  
**Volume:** 28  
**Issue:** 3  
**Pages:** 181-195  
**Call Number:** K.W. 39

**Reference Type:** Journal Article  
**Author:** Dekee, D., Carreau, P.J.; Mordarski, J.  
**Year:** 1986  
**Title:** Bubble velocity and coalescence in viscoelastic liquids.  
**Journal:** Chemical Engineering Science  
**Volume:** 41  
**Pages:** 2273-2283  
**Call Number:** K.W. 36

**Reference Type:** Journal Article  
**Author:** Denn, Morton M.; Marrucci, G.  
**Year:** 1971  
**Title:** Stretching of viscoelastic liquids.  
**Journal:** AiCHE journal  
**Volume:** 17  
**Pages:** 101-  
**Reprint Edition:** Revised mss. Dec 12 1969  
**Call Number:** K.W. 44

**Reference Type:** Journal Article  
**Author:** Denn, Morton M., Petrie, C.J.S.; Avenas, Pierre  
**Year:** 1975  
**Title:** Mechanics of steady spinning of a viscoelastic liquid.  
**Journal:** AiCHE journal  
**Volume:** 21

**Issue:** 4  
**Pages:** 791-799  
**Call Number:** K.W. 30

**Reference Type:** Journal Article  
**Author:** Denson, C.D.  
**Year:** 1973  
**Title:** Implications of extensional flows in polymer fabrication processes.  
**Journal:** Polymer engineering and science  
**Volume:** 13  
**Issue:** 2  
**Pages:** 125-130  
**Call Number:** K.W.46

**Reference Type:** Journal Article  
**Author:** Dobson, G.R.  
**Year:** 1981  
**Title:** Analysis of high shear rate viscosity data for engine oils  
**Journal:** Tribology International  
**Issue:** August  
**Pages:** 195-198  
**Call Number:** K.W. 32

**Reference Type:** Journal Article  
**Author:** Dodson, A.G. Townsend, P.; Walters, K  
**Year:** 1971  
**Title:** On the flow of Newtonian and non-Newtonian liquids through corrugated pipes.  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 508-516  
**Call Number:** K.W.45

**Reference Type:** Journal Article  
**Author:** Dodson, A.G. Townsend, P.; Walters, K  
**Year:** 1974  
**Title:** Non-Newtonian flow in pipes of non-circular cross section  
**Journal:** Computers and Fluids  
**Volume:** 2  
**Pages:** 317-338  
**Call Number:** K.W. 28

**Reference Type:** Journal Article  
**Author:** Doraiswamy, Deepak  
**Year:** 200?  
**Title:** The origins of rheology: a short historical excursion.  
**Journal:** ?  
**Pages:** 1-9  
**Call Number:** K.W. 79

**Reference Type:** Journal Article

**Author:** Entov, V.M.; Yarin, A.L.  
**Year:** 1984  
**Title:** Influence of elastic stresses on the capillary breakup of jets of dilute polymer solutions  
**Journal:** Fluid dynamics  
**Volume:** 19  
**Issue:** 1  
**Call Number:** K.W.244

**Reference Type:** Journal Article  
**Author:** Ericksen, J.L.  
**Year:** 1960  
**Title:** Anisotropic fluids.  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 4  
**Issue:** 3  
**Pages:** 231-237  
**Call Number:** K.W. 24

**Reference Type:** Journal Article  
**Author:** Ericksen, J.L.  
**Year:** 1960  
**Title:** Theory of anisotropic fluids.  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 4  
**Pages:** 29-39  
**Call Number:** K.W. 29-39

**Reference Type:** Journal Article  
**Author:** Ericksen, J.L.  
**Year:** 1960  
**Title:** Transversely isotropic fluids  
**Journal:** Sonderdruck aus der Kolloid-Zeitschrift  
**Volume:** 173  
**Issue:** 2  
**Pages:** 117-122  
**Call Number:** K.W. 22

**Reference Type:** Conference Proceedings  
**Author:** Fabula, A.G.  
**Year of Conference:** 1965  
**Title:** The Toms phenomenon in the turbulent flow of very dilute polymer solutions.  
**Conference Name:** Proceedings of the 4th International Congress on Rheology, Part 3  
**Pages:** 455-479  
**Call Number:** K.W. 19

**Reference Type:** Journal Article  
**Author:** Ferguson, J. and Hudson, N. E.  
**Year:** 1975  
**Title:** A new viscometer for the measurement of apparent viscosity.  
**Journal:** Journal of physics E: Scientific Instruments  
**Volume:** 8

**Pages:** 526-530  
**Call Number:** K.W.87

**Reference Type:** Conference Proceedings  
**Author:** Ferguson, J.; Nuki, G  
**Year of Conference:** 1972  
**Title:** The rheology of a synthetic joint lubricant.  
**Conference Name:** Rheology of lubricants  
**Conference Location:** Trent Polytechnic, Nottingham  
**Date:** 6-7 July  
**Call Number:** K.W. 25

**Reference Type:** Journal Article  
**Author:** Fisher, Robert J.; Denn, Morton  
**Year:** 1975  
**Title:** Draw resonance in melt spinning.  
**Journal:** Applied polymer symposium  
**Volume:** 27  
**Pages:** 103-109  
**Call Number:** K.W. 29

**Reference Type:** Journal Article  
**Author:** Fisher, Robert J.; Denn, Morton  
**Year:** 1976  
**Title:** A theory of isothermal melt spinning and draw resonance  
**Journal:** AiCHE journal  
**Volume:** 22  
**Issue:** 2  
**Pages:** 236-246  
**Call Number:** K.W. 21

**Reference Type:** Journal Article  
**Author:** Fong, C.F. Chan Man  
**Year:** 1970  
**Title:** Nonlinear Taylor stability of viscoelastic fluids  
**Journal:** Applied science research  
**Volume:** 23  
**Issue:** October  
**Pages:** 16-22  
**Call Number:** K.W.47

**Reference Type:** Journal Article  
**Author:** Fong, C.F. Chan Man  
**Year:** 1970  
**Title:** Conditions under which stress matrix is diagonal.  
**Journal:** Rheologica Acta  
**Volume:** 9  
**Issue:** 1  
**Pages:** 144-145  
**Call Number:** K.W. 49

**Reference Type:** Journal Article  
**Author:** Fraenkel, L.E.  
**Year:** 1990  
**Title:** On a linear partly hyperbolic model of viscoelastic flow past a plate.  
**Journal:** Proceedings of the Royal Society of Edinburgh  
**Volume:** 114A  
**Pages:** 299-354  
**Call Number:** K.W. 18

**Reference Type:** Journal Article  
**Author:** Fredrickson, A.G.  
**Year:** 1962  
**Title:** On stress-relaxing solids 1: flow and normal stress effects.  
**Journal:** Chemical Engineering Science  
**Volume:** 17  
**Pages:** 155-166  
**Call Number:** K.W. 26

**Reference Type:** Journal Article  
**Author:** Fuller, Gerald G. et al  
**Year:** 1987  
**Title:** Extensional viscosity measurements for low-viscosity fluids.  
**Journal:** Journal of Rheology  
**Volume:** 31  
**Issue:** 3  
**Pages:** 235-249  
**Call Number:** K.W.20

**Reference Type:** Journal Article  
**Author:** Georgiou, G; Momani, S; Crochet, M.J.; Walters, K.  
**Year:** 1991  
**Title:** Newtonian and non-Newtonian flow in a channel obstructed by an antisymmetric array of cylinders  
**Journal:** JNNFM  
**Volume:** 40  
**Pages:** 231-260  
**Accession Number:** K.W. 145

**Reference Type:** Journal Article  
**Author:** Giesekus, Hanswalter  
**Year:** 1962  
**Title:** Elasto-viskose Flussigkeiten, fur die in stationaren schichtstromungen samtliche normal spannungskomponenten verschieden gros sind.  
**Journal:** Rheologica Acta  
**Volume:** 2  
**Issue:** 1  
**Pages:** 50-62  
**Call Number:** K.W. 13

**Reference Type:** Conference Proceedings

**Author:** Giesekus, Hanswalter

**Year of Conference:** 1962

**Title:** Statistical rheology of suspensions and solutions with special reference to normal stress effects.

**Conference Name:** Proceedings of the International Symposium on second-order effects in elasticity, plasticity and fluid dynamics

**Conference Location:** Haifa

**Publisher:** Pergamon Press

**Pages:** 553-584

**Call Number:** K.W. 129

**Reference Type:** Journal Article

**Author:** Giesekus, Hanswalter

**Year:** 1966

**Title:** Die Elastizität von Flüssigkeiten

**Journal:** Rheologica Acta

**Volume:** 5

**Issue:** 1

**Pages:** 29-35

**Call Number:** K.W.14

**Reference Type:** Journal Article

**Author:** Giesekus, Hanswalter

**Year:** 1967

**Title:** Die Sekundärströmung in einer Kegel-Platte-Anordnung: Abhängigkeit von der Rotationsgeschwindigkeit bei verschiedenen Polymersystemen.

**Journal:** Rheologica Acta

**Volume:** 6

**Issue:** 4

**Pages:** 339-353

**Call Number:** K.W.15

**Reference Type:** Journal Article

**Author:** Giesekus, Hanswalter

**Year:** 1970

**Title:** Zur formulierung der Randbedingungen in Strömungen viskoelastischer Flüssigkeiten mit.....

**Journal:** Rheologica Acta

**Volume:** 9

**Pages:** 474-487

**Call Number:** K.W. 16

**Notes:** English translation available in mss. format

**Reference Type:** Journal Article

**Author:** Giesekus, Hanswalter

**Year:** 1989

**Title:** A short survey of the work of H. Giesekus with a list of his research papers on rheological subjects.

**Journal:** Rheologica Acta

**Volume:** 28

**Pages:** 437-448

**Call Number:** K.W.17

**Reference Type:** Journal Article  
**Author:** Giesekus, Hanswalter  
**Year:** 1996  
**Title:** Secondary flows in viscoelastic fluid: a retrospect  
**Journal:** Applied rheology  
**Volume:** 6  
**Issue:** August  
**Pages:** 155-165  
**Call Number:** K.W.42  
**Notes:** Text in German and English

**Reference Type:** Journal Article  
**Author:** Gilligan, Stephanie A. and Jones, Rowland S.  
**Year:** 1970  
**Title:** Unsteady flow of an elastico-viscous fluid past a circular cylinder.  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 21  
**Issue:** 5  
**Pages:** 786-797  
**Call Number:** K.W.3

**Reference Type:** Conference Proceedings  
**Author:** Ginn, R.F.; Metzner, A. B.  
**Year of Conference:** 1963  
**Title:** Normal stresses in polymeric solutions.  
**Conference Name:** Fourth International Congress on Rheology  
**Conference Location:** Brown University, Providence, R.I.  
**Publisher:** Interscience  
**Number of Volumes:** 4v.  
**Pages:** 583-601  
**Call Number:** K.W. 128

**Reference Type:** Book  
**Author:** Goddard, J.D.  
**Year:** 1979  
**Title:** Polymer fluid mechanics  
**Series Title:** Advances in applied mechanics  
**Volume:** 1979  
**Number of Pages:** 143-218  
**ISBN:** 012002019x  
**Call Number:** K.W. 126

**Reference Type:** Journal Article  
**Author:** Goldsmith, H. L. and Mason, S.G.  
**Year:** 1962  
**Title:** The flow of suspensions through tubes. 1: single spheres, rods and discs.  
**Journal:** Journal of colloid science  
**Volume:** 17  
**Issue:** 5  
**Pages:** 448-476  
**Call Number:** K.W.4

**Reference Type:** Journal Article  
**Author:** Goldsmith, H. L. and Mason, S.G.  
**Year:** 1963  
**Title:** The flow of suspension through tubes. 2: single large bubbles.  
**Journal:** Journal of colloid science  
**Volume:** 18  
**Issue:** 3  
**Pages:** 237-261  
**Call Number:** K.W.5

**Reference Type:** Journal Article  
**Author:** Goldsmith, H. L.; Mason, S.G.  
**Year:** 1964  
**Title:** The flow of suspensions through tubes. 3: collisions of small uniform spheres  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 282  
**Pages:** 569-591  
**Call Number:** K.W. 6

**Reference Type:** Journal Article  
**Author:** Gordon, R.J.; Schowlater, W.R.  
**Year:** 1970  
**Title:** On the relation between complex viscosity and steady state shearing in the Maxwell orthogonal rheometer.  
**Journal:** AiCHE journal  
**Issue:** March  
**Pages:** 318-320  
**Call Number:** K.W. 135

**Reference Type:** Journal Article  
**Author:** Gray, R.W; Harrison, G; Lamb, J  
**Year:** 1977  
**Title:** Dynamic viscoelastic behaviour of low-molecular-mass polystyrene melts  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 356  
**Pages:** 77-102  
**Accession Number:** K.W. 143

**Reference Type:** Journal Article  
**Author:** Green, A.E.  
**Year:** 1964  
**Title:** Anisotropic simple fluids.  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 279  
**Pages:** 437-445  
**Call Number:** K.W.1

**Reference Type:** Journal Article  
**Author:** Green, A.E.

**Year:** 1964  
**Title:** A continuum theory of anisotropic fluids.  
**Journal:** Proceedings of the Cambridge Philosophical Society  
**Volume:** 60  
**Pages:** 123-128  
**Call Number:** K.W.2

**Reference Type:** Journal Article  
**Author:** Green, A.E., Naghdi, P.M.; Rivlin, R.S.  
**Year:** 1965  
**Title:** Directors and multipolar displacements in continuum mechanics.  
**Journal:** International journal of engineering science  
**Volume:** 2  
**Pages:** 611-620  
**Call Number:** K.W. 11

**Reference Type:** Journal Article  
**Author:** Green, A.E.; Rivlin, R. S.  
**Year:** 1956  
**Title:** Steady flow of non-Newtonian fluids through tubes.  
**Journal:** Quarterly of applied mathematics  
**Volume:** 14  
**Pages:** 299-308  
**Call Number:** K.W. 134

**Reference Type:** Journal Article  
**Author:** Green, A.E.; Rivlin, R. S.  
**Year:** 1957  
**Title:** The mechanics of non-linear materials with memory . Part 1  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 1  
**Issue:** 1  
**Pages:** 1-21  
**Call Number:** K.W. 130

**Reference Type:** Journal Article  
**Author:** Green, A.E.; Rivlin, R. S.  
**Year:** 1960  
**Title:** The mechanics of non-linear materials with memory. Part 3  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 4  
**Issue:** 5  
**Pages:** 387-404  
**Call Number:** K.W. 132

**Reference Type:** Journal Article  
**Author:** Green, A.E.; Rivlin, R. S.; Spencer, A.J.M.  
**Year:** 1959  
**Title:** The mechanics of non-linear materials with memory . Part 2  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 3

**Issue:** 1  
**Pages:** 82-90  
**Call Number:** K.W. 131

**Reference Type:** Journal Article  
**Author:** Green, A.E. ; Jones, W.M.  
**Year:** 1982  
**Title:** Couette flow of dilute solutions of macromolecules: embryo cells and overstability  
**Journal:** Journal of fluid mechanics  
**Volume:** 119  
**Pages:** 491-505  
**Call Number:** K.W. 9

**Reference Type:** Journal Article  
**Author:** Green, A.E.; Rivlin, R.S.  
**Year:** 1960  
**Title:** The mechanics of non-linear materials with memory. Part 3  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 4  
**Issue:** 5  
**Pages:** 387-404  
**Call Number:** K.W.12

**Reference Type:** Journal Article  
**Author:** Griffiths, J.D.; Thomas, R.H.  
**Year:** 1966  
**Title:** The stability of the spiral flow of an elastico-viscous liquid.  
**Journal:** Journal de mécanique  
**Volume:** 5  
**Issue:** 1  
**Pages:** 101-113  
**Call Number:** K.W. 8

**Reference Type:** Journal Article  
**Author:** Grimm, Roger J.  
**Year:** 1987  
**Title:** Squeezing flows of polymeric liquids  
**Journal:** AiCHE journal  
**Volume:** 24  
**Issue:** 3  
**Pages:** 427-440  
**Call Number:** K.W. 7

**Reference Type:** Journal Article  
**Author:** Gunn, R.W.; Mena, B.; Walters, K.  
**Year:** 1974  
**Title:** On Newtonian and non-Newtonian flow in a rotating pipe.  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 25  
**Pages:** 591-606  
**Call Number:** K.W. 133

**Reference Type:** Journal Article

**Author:** Harris, J

**Year:** 1963

**Title:** A note on the generalized Reynolds number in non-Newtonian flow.

**Journal:** British journal of applied physics

**Volume:** 14

**Pages:** 817-818

**Call Number:** K.W. 83

**Reference Type:** Conference Proceedings

**Author:** Harris, J

**Year of Conference:** 1963

**Title:** The measurement of a normal stress effect using a tube viscometer

**Conference Name:** Fourth International Congress on Rheology

**Conference Location:** Brown University, Providence, R.I.

**Publisher:** Brown University

**Pages:** 417-428

**Call Number:** K.W.172

**Reference Type:** Journal Article

**Author:** Harris, J

**Year:** 1967

**Title:** Hysteresis experiment in rheology.

**Journal:** Nature

**Volume:** 214

**Issue:** 5090

**Pages:** 796-797

**Date:** May 20

**Call Number:** K.W. 84

**Reference Type:** Journal Article

**Author:** Hasegawa, T., Fukutomi, K. and Narumi, T.

**Year:** 1988

**Title:** Experimental estimation of elongational stresses of dilute polymer solutions and a related examination of some constitutive equations.

**Journal:** JNNFM

**Volume:** 27

**Pages:** 133-151

**Call Number:** K.W. 89

**Reference Type:** Book

**Author:** Hayward, A.T.J.; Findlay, A.C.; Gibb, G.

**Year:** 1967

**Title:** Rheological research in Britain, 1966: a survey made jointly by the British Society of Rheology and the National Engineering Laboratory.

**Series Title:** N.E.L report no. 292

**City:** Glasgow

**Publisher:** Ministry of Technology: National Engineering Laboratory

**Number of Pages:** 149

**Call Number:** K.W. 80

**Reference Type:** Book

**Author:** Hayward, A.T.J.; Findlay, A.C.; Gibb, G.

**Year:** 1969

**Title:** Rheological research in Britain, 1968: a survey made jointly by the British Society of Rheology and the National Engineering Laboratory

**Series Title:** N.E.L. Report no.408

**City:** Glasgow

**Publisher:** National Engineering Laboratory

**Call Number:** K.W.178

**Reference Type:** Journal Article

**Author:** Henriksen, P.; Hassager, O.

**Year:** 1989

**Title:** Corner flow of power law fluids

**Journal:** Journal of Rheology

**Volume:** 33

**Issue:** 6

**Pages:** 865-879

**Call Number:** K.W.176

**Reference Type:** Journal Article

**Author:** Hill, Christopher T., Huppler, John D.; Bird, R.B.

**Year:** 1966

**Title:** Secondary flows in the disk-and-cylinder system.

**Journal:** Chemical Engineering Science

**Volume:** 21

**Pages:** 815-817

**Call Number:** K.W. 85

**Reference Type:** Book

**Author:** Hobbs, J.M.; Martins, R.R.; Findlay, A.C.

**Year:** 1970

**Title:** Rheological research in Britain 1970: a survey

**City:** Glasgow

**Publisher:** National Engineering Laboratory

**Call Number:** K.W.179

**Reference Type:** Journal Article

**Author:** Hoppmann, W.H. and Baronet, Clifford N.

**Year:** 1964

**Title:** Flow generated by cone rotating in a liquid.

**Journal:** Nature

**Volume:** 201

**Issue:** 4925

**Pages:** 1205-1206

**Date:** March 21

**Call Number:** K.W.86

**Reference Type:** Journal Article

**Author:** Huilgol, R.R  
**Year:** 1969  
**Title:** On the properties of the motion with constant stretch history occurring in the Maxwell rheometer  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 13  
**Issue:** 4  
**Pages:** 513-526  
**Call Number:** K.W.175

**Reference Type:** Journal Article  
**Author:** Huilgol, R.R  
**Year:** 1970  
**Title:** A class of motions with constant stretch history  
**Journal:** Quarterly of applied mathematics  
**Volume:** 29  
**Issue:** 1  
**Pages:** 1-15  
**Call Number:** K.W.174

**Reference Type:** Journal Article  
**Author:** Huilgol, R.R; Phan-Thien, N.  
**Year:** 1986  
**Title:** Recent advances in the continuum mechanics of viscoelastic liquids.  
**Journal:** International journal of engineering science  
**Volume:** 24  
**Issue:** 2  
**Pages:** Special issue  
**Call Number:** K.W.81

**Reference Type:** Journal Article  
**Author:** Hutton, J.F.  
**Year:** 1964  
**Title:** Fracture of liquids in shear.  
**Journal:** Nature  
**Volume:** 203  
**Issue:** 4941  
**Pages:** 175-177  
**Date:** July 11  
**Call Number:** K.W. 82

**Reference Type:** Journal Article  
**Author:** Hutton, J.F.  
**Year:** 1975  
**Title:** The British Standard glossary of rheological terms, BS 5168: 1975: a personal I view of the work of the glossary committee  
**Journal:** Rheologica Acta  
**Volume:** 14  
**Pages:** 1112-1114  
**Call Number:** K.W.182

**Reference Type:** Conference Proceedings  
**Author:** Hutton, J.F.; Jackson, K.P.; Williamson, B.P.  
**Year of Conference:** 1984  
**Title:** The effects of lubricant rheology on the performance of journal bearings  
**Conference Name:** ASLE/ASME Lubrication Conference  
**Conference Location:** San Diego, California  
**Publisher:** American Society of Lubricant Engineers  
**Call Number:** K.W.177

**Reference Type:** Book  
**Author:** Institution, British Standards  
**Year:** 1975  
**Title:** Glossary of rheological terms  
**Publisher:** British Standards Institution  
**ISBN:** 0580085406  
**Call Number:** K.W.136

**Reference Type:** Journal Article  
**Author:** Isaac, P.J.; Williams, I.B.; Jones, W.M.  
**Year:** 1959  
**Title:** Variations in the value of Reynolds number at the transition from streamline to turbulent flow  
**Journal:** Nature  
**Volume:** 183  
**Issue:** 22nd February  
**Pages:** 531-532  
**Call Number:** K.W.168

**Reference Type:** Journal Article  
**Author:** James, David F.  
**Year:** 1975  
**Title:** A method for measuring normal stresses in dilute polymer solutions  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 19  
**Issue:** 1  
**Pages:** 67-80  
**Call Number:** K.W.164

**Reference Type:** Journal Article  
**Author:** James, David F.  
**Year:** 1991  
**Title:** Flow in a converging channel at moderate Reynolds numbers  
**Journal:** AiCHE journal  
**Volume:** 37  
**Issue:** 1  
**Pages:** 59-64  
**Call Number:** K.W.167

**Reference Type:** Journal Article  
**Author:** James, David F.; McLean, Brian D.; Saringer, J.H.  
**Year:** 1987

**Title:** Presheared extensional flow of dilute polymer solutions  
**Journal:** Journal of Rheology  
**Volume:** 31  
**Issue:** 6  
**Pages:** 453-481  
**Call Number:** K.W.166

**Reference Type:** Journal Article  
**Author:** James, David F.; Saringer, J.H.  
**Year:** 1980  
**Title:** Extensional flow of dilute polymer solutions  
**Journal:** Journal of fluid mechanics  
**Volume:** 97  
**Issue:** 4  
**Pages:** 655-671  
**Call Number:** K.W.159

**Reference Type:** Journal Article  
**Author:** Jenkinson, Ian R.  
**Year:** 1986  
**Title:** Oceanographic implications of non-Newtonian properties found in phytoplankton cultures  
**Journal:** Nature  
**Volume:** 323  
**Pages:** 435-437  
**Call Number:** K.W. 157  
**Notes:** Note of thanks from author to K.W.

**Reference Type:** Journal Article  
**Author:** Jones, D.T.; Walters, K.  
**Year:** 1968  
**Title:** Some remarks on the stability of parallel of non-Newtonian fluids  
**Journal:** AiCHE journal  
**Issue:** July  
**Pages:** 658-659  
**Call Number:** K.W. 161

**Reference Type:** Journal Article  
**Author:** Jones, J.R.; Jones, R.S.  
**Year:** 1966  
**Title:** Flow of elastico-viscous liquids in pipes with cores. Part 3  
**Journal:** Journal de mécanique  
**Volume:** 5  
**Issue:** 3  
**Pages:** 375-395  
**Call Number:** K.W.181

**Reference Type:** Journal Article  
**Author:** Jones, J.R.; Walters, T.S.  
**Year:** 1968  
**Title:** A vibrating-rod elastoviscometer  
**Journal:** Rheologica Acta

**Volume:** 7  
**Issue:** 4  
**Pages:** 360-363  
**Call Number:** K.W. 156

**Reference Type:** Journal Article  
**Author:** Jones, R.S.  
**Year:** 1967  
**Title:** The incipient flow of non-Newtonian fluids in straight pipes  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 18  
**Issue:** 3  
**Pages:** 312-319  
**Call Number:** K.W. 158

**Reference Type:** Journal Article  
**Author:** Jones, R.S.  
**Year:** 1967  
**Title:** Flow of an elastico-viscous liquid in a corrugated pipe  
**Journal:** Journal de mécanique  
**Volume:** 6  
**Issue:** 3  
**Pages:** 443-448  
**Call Number:** K.W.180

**Reference Type:** Journal Article  
**Author:** Jones, R.S.; Oakley, D.  
**Year:** 1990  
**Title:** An interpretation of rheological data in terms of model systems  
**Journal:** Composites  
**Volume:** 21  
**Issue:** 5  
**Pages:** 415-418  
**Call Number:** K.W.170

**Reference Type:** Journal Article  
**Author:** Jones, R.S.; Thomas, O.D.J.  
**Year:** 1989  
**Title:** The coextrusion of two incompressible elastico-viscous fluids through a rectangular channel  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 40  
**Issue:** May  
**Pages:** 425-439  
**Call Number:** K.W. 169

**Reference Type:** Journal Article  
**Author:** Jones, T.E.R.; Walters, K.  
**Year:** 1971  
**Title:** An interpretation of discontinuities occurring in dynamic testing near the natural frequency  
**Journal:** Rheologica Acta

**Volume:** 10  
**Pages:** 365-367  
**Call Number:** K.W. 160

**Reference Type:** Journal Article

**Author:** Jones, W.M.

**Year:** 1979

**Title:** The flow of dilute aqueous solutions of macromolecules in various geometries: 6 properties of solutions

**Journal:** Journal of Physics D: Applied Physics

**Volume:** 12

**Pages:** 369-382

**Accession Number:** K.W.162

**Reference Type:** Journal Article

**Author:** Jones, W.M.

**Year:** 1988

**Title:** The effect of weak elasticity on couette flow between rotating cylinders: 1: spiral flow 2: Eccentric cylinders

**Journal:** JNNFM

**Volume:** 28

**Pages:** 255-263

**Call Number:** K.W.165

**Reference Type:** Journal Article

**Author:** Jones, W.M.; Davies, D.M.; Thomas, M.C.

**Year:** 1973

**Title:** Taylor vortices and the evaluation of material constants: a critical assessment

**Journal:** Journal of fluid mechanics

**Volume:** 60

**Issue:** part1

**Pages:** 19-41

**Call Number:** K.W.163

**Reference Type:** Journal Article

**Author:** Jones, W.M.; Marshall, D.E.

**Year:** 1970

**Title:** Stabilization and destabilization in the flow of dilute polyacrylamide solutions

**Journal:** Journal of physics D: Applied physics

**Volume:** 3

**Pages:** 1486-1487

**Call Number:** K.W. 155

**Reference Type:** Journal Article

**Author:** King, M.J.; Waters, N.D.

**Year:** 1970

**Title:** The effect of secondary flows in the use of a rheogoniometer

**Journal:** Rheologica Acta

**Volume:** 9

**Issue:** 2

**Pages:** 164-170

**Call Number:** K.W. 153

**Reference Type:** Journal Article

**Author:** Knight, D.G.

**Year:** 1980

**Title:** Flow between eccentric disks rotating at different speeds: inertia effects

**Journal:** Journal of applied mathematics and physics (ZAMP)

**Volume:** 31

**Pages:** 309-317

**Call Number:** K.W. 154

**Reference Type:** Journal Article

**Author:** Knight, D.G.; Walters, K.

**Year:** 1973

**Title:** Nearly viscometric flows in the new rheometers

**Journal:** Rheologica Acta

**Volume:** 12

**Pages:** 524-532

**Call Number:** K.W. 152

**Reference Type:** Journal Article

**Author:** Langlois, William E.

**Year:** 1963

**Title:** Steady flow of a slightly viscoelastic fluid between rotating spheres

**Journal:** Quarterly of applied mathematics

**Volume:** 21

**Issue:** 1

**Pages:** 61-71

**Call Number:** K.W.194

**Reference Type:** Journal Article

**Author:** Leslie, F.M.

**Year:** 1966

**Title:** Some constitutive equations for anisotropic fluids

**Journal:** Quarterly of mechanics and applied mathematics

**Volume:** 19

**Issue:** 3

**Pages:** 357-370

**Accession Number:** K.W.147

**Reference Type:** Journal Article

**Author:** Leslie, F.M.

**Year:** 1968

**Title:** Some constitutive equations for liquid crystals

**Journal:** Archive for rational mechanics and analysis

**Volume:** 28

**Issue:** 4

**Pages:** 265-283

**Call Number:** K.W. 148

**Reference Type:** Journal Article  
**Author:** Leslie, F.M.  
**Year:** 1971  
**Title:** Continuum theory of liquid crystals  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 91-95  
**Call Number:** K.W.149

**Reference Type:** Report  
**Author:** Liu, Yaoqi; Joseph, Daniel D.  
**Year:** 1993  
**Title:** Sedimentation of particles in polymer solutions: experimental data  
**City:** Minneapolis  
**Institution:** University of Minnesota  
**Pages:** 106  
**Date:** 1993  
**Report Number:** Preprint 93-032  
**Call Number:** K.W.171

**Reference Type:** Journal Article  
**Author:** Lockett, F.J.  
**Year:** 1969  
**Title:** On Squire's theorem for viscoelastic fluids  
**Journal:** International journal of engineering science  
**Volume:** 7  
**Pages:** 337-349  
**Call Number:** K.W.192

**Reference Type:** Journal Article  
**Author:** Lodge, A.S.  
**Year:** 1956  
**Title:** A network theory of flow birefringence and stress in concentrated polymer solutions  
**Journal:** Transactions of the Faraday Society  
**Volume:** 52  
**Issue:** 397  
**Pages:** 127-137  
**Date:** January  
**Call Number:** K.W.

**Reference Type:** Journal Article  
**Author:** Lodge, A.S.  
**Year:** 1958  
**Title:** A theory of elastic recovery in concentrated solutions of elastomers  
**Journal:** Rheology of elastomers  
**Pages:** 70-85  
**Call Number:** K.W. 151

**Reference Type:** Journal Article  
**Author:** Lodge, A.S.  
**Year:** 1972

**Title:** On the description of rheological properties of viscoelastic continua 1  
**Journal:** Rheologica Acta  
**Volume:** 11  
**Pages:** 106-118  
**Call Number:** K.W. 144

**Reference Type:** Report  
**Author:** Lodge, A.S.; Walters, K.  
**Year:** 1973  
**Title:** Some examples of the use of body coordinate systems in the kinematics of continuous media  
**Institution:** University of Wisconsin-Madison  
**Pages:** 1-18  
**Date:** October  
**Report Number:** 1393  
**Call Number:** K.W. 146

**Reference Type:** Journal Article  
**Author:** Manero, O; Mena, B.  
**Year:** 1977  
**Title:** An interesting effect in non-newtonian flow in oscillating pipes  
**Journal:** Rheologica Acta  
**Volume:** 16  
**Pages:** 573-576  
**Accession Number:** K.W.138

**Reference Type:** Journal Article  
**Author:** Markovitz, Hershel  
**Year:** 1952  
**Title:** A property of Bessel functions and its application to the theory of two rheometers  
**Journal:** Journal of applied physics  
**Volume:** 23  
**Issue:** 10  
**Pages:** 1070-1077  
**Accession Number:** K.W.137

**Reference Type:** Journal Article  
**Author:** Marrucci, Giuseppe; Astarita, Gianni  
**Year:** 1967  
**Title:** Linear, steady, two-dimensional flows of viscoelastic liquids  
**Journal:** AiCHE journal  
**Volume:** 13  
**Issue:** 5  
**Pages:** 931-935  
**Accession Number:** K.W.140

**Reference Type:** Journal Article  
**Author:** Maxwell, Bryce; Chartoff, R.P.  
**Year:** 1965  
**Title:** Studies of a polymer melt in an orthogonal rheometer  
**Journal:** Trans. of the Soc. of Rheol.

**Volume:** 9  
**Issue:** 1  
**Pages:** 41-52  
**Call Number:** K.W.190

**Reference Type:** Journal Article  
**Author:** Mena, B.; Caswell, Bruce  
**Year:** 1974  
**Title:** Slow flow of an elastic-viscous fluid past an immersed body  
**Journal:** Chemical Engineering Journal  
**Volume:** 8  
**Pages:** 125-134  
**Call Number:** K.W.64

**Reference Type:** Journal Article  
**Author:** Mena, Baltasar; Levinson, Ernest; Caswell, Bruce  
**Year:** 1972  
**Title:** Torque on a sphere inside a rotating cylinder  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 23  
**Issue:** 2  
**Pages:** 173-181  
**Call Number:** K.W.189

**Reference Type:** Journal Article  
**Author:** Metzner, A. B., White, J.L.; Denn, M.M.  
**Year:** 1966  
**Title:** Behavior of viscoelastic materials in short-time processes.  
**Journal:** Chemical Engineering Science  
**Volume:** 62  
**Issue:** 12  
**Pages:** 81-92  
**Call Number:** K.W. 38

**Reference Type:** Journal Article  
**Author:** Metzner, A. B.  
**Year:** 1967  
**Title:** Behavior of suspended matter in rapidly accelerating viscoelastic fluids: the Uebler effect  
**Journal:** AiCHE journal  
**Volume:** 13  
**Issue:** 2  
**Pages:** 316-318  
**Call Number:** K.W.183

**Reference Type:** Journal Article  
**Author:** Metzner, A. B.; Caswell, Bruce  
**Year:** 1974  
**Title:** Slow flow of an elastic-viscous fluid past an immersed body  
**Journal:** Chemical Engineering Science  
**Volume:** 8  
**Pages:** 125-134

**Reference Type:** Journal Article

**Author:** Metzner, A. B.; White, J.L.; Denn, M.M.

**Year:** 1966

**Title:** Constitutive equations for viscoelastic fluids for short deformation periods and for rapidly changing flows: significance of the Deborah number

**Journal:** AiCHE journal

**Volume:** 12

**Issue:** 5

**Pages:** 863-866

**Call Number:** K.W.139

**Reference Type:** Journal Article

**Author:** Nally, M.C.

**Year:** 1965

**Title:** The oscillatory motion of an elastico-viscous liquid in a cone-and-plate viscometer

**Journal:** British journal of applied physics

**Volume:** 16

**Pages:** 1023-1031

**Call Number:** K.W.191

**Reference Type:** Journal Article

**Author:** Nijenhuis, K.Te

**Year:** 1990

**Title:** The dynamic moduli and the first normal stress difference of the test fluid M1: a combination of results of measurements by various research groups.

**Journal:** JNNFM

**Volume:** 35

**Pages:** 169-177

**Call Number:** K.W. 96

**Reference Type:** Journal Article

**Author:** Olabisi, Olagoke; Williams, Michael C.

**Year:** 1972

**Title:** Secondary and primary normal stresses, hole error and reservoir edge effects in cone-and-plate flow of polymer solutions

**Journal:** Journal of applied physics

**Volume:** 16

**Issue:** 4

**Pages:** 727-759

**Call Number:** K.W.238

**Reference Type:** Journal Article

**Author:** Oldroyd, J.G.

**Year:** 1940-

**Title:** Various papers published by J.G. Oldroyd

**Journal:** Various

**Date:** 1940's-1970's

**Call Number:** Box files 1 and 2

**Reference Type:** Journal Article  
**Author:** Oldroyd, J.G.  
**Year:** 1950  
**Title:** On the formulation of rheological equations of state  
**Journal:** Proceedings of the Royal Society of London A  
**Volume:** 200  
**Pages:** 523-541  
**Call Number:** K.W.239

**Reference Type:** Journal Article  
**Author:** Overton, G.D.N.; Trevena, David H.  
**Year:** 1980  
**Title:** Cavitation experiments with water in a steel Berthelot tube.  
**Journal:** Journal of applied physics D: Applied Physics  
**Volume:** 13  
**Pages:** 1309-1314  
**Call Number:** K.W. 98

**Reference Type:** Journal Article  
**Author:** Papenhuijzen, J.M.P.  
**Year:** 1971  
**Title:** Superimposed steady and oscillatory shear in dispersed systems. 2: influence of the inhomogeneity of the large deformation  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 503-507  
**Accession Number:** K.W. 141

**Reference Type:** Journal Article  
**Author:** Papenhuijzen, J.M.P.  
**Year:** 1971  
**Title:** Superimposed steady and oscillatory shear in dispersed systems. 1: experimental and some results  
**Journal:** Rheologica Acta  
**Volume:** 10  
**Pages:** 493-502  
**Call Number:** K.W.142

**Reference Type:** Journal Article  
**Author:** Pearson, Dale S.  
**Year:** 1987  
**Title:** Recent advances in the molecular aspects of polymer viscoelasticity  
**Journal:** Rubber chemistry and technology  
**Volume:** 60  
**Issue:** 3  
**Pages:** 439-496  
**Call Number:** K.W.188

**Reference Type:** Book Section  
**Author:** Pearson, J.R.A.  
**Year:** 1976

**Title:** Instability in non-Newtonian flow  
**Book Title:** Annual review in fluid mechanics  
**Volume:** 8  
**Pages:** 163-181  
**Call Number:** K.W.187

**Reference Type:** Journal Article  
**Author:** Petrie, Christopher J. S.; Denn, M.M.  
**Year:** 1976  
**Title:** Instabilities in polymer processing  
**Journal:** AiCHE journal  
**Volume:** 22  
**Issue:** 2  
**Pages:** 209-236  
**Call Number:** K.W.185

**Reference Type:** Journal Article  
**Author:** Philippoff, Wladimir  
**Year:** 1954  
**Title:** Further dynamic investigations on polymers  
**Journal:** Journal of applied physics  
**Volume:** 25  
**Issue:** 9  
**Pages:** 1102-1107  
**Call Number:** K.W.237

**Reference Type:** Conference Proceedings  
**Author:** Pipkin, A.C.  
**Year of Conference:** 1963  
**Title:** Some non-Newtonian effects in flow through tubes  
**Conference Name:** Fourth International Congress on Rheology  
**Conference Location:** Brown University, Providence, R.I.  
**Pages:** 213-222  
**Call Number:** K.W.186

**Reference Type:** Journal Article  
**Author:** Pipkin, A.C.  
**Year:** 1964  
**Title:** Alternating flow of non-Newtonian fluids in tubes of arbitrary cross-section  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 15  
**Issue:** 1  
**Pages:** 1-13  
**Call Number:** K.W.236

**Reference Type:** Journal Article  
**Author:** Pipkin, A.C.  
**Year:** 1968  
**Title:** Small displacements superposed on viscometric flow  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 12

**Issue:** 3  
**Pages:** 397-408  
**Call Number:** K.W.184

**Reference Type:** Book  
**Author:** Pipkin, A.C.  
**Year:** 1968  
**Title:** Lectures on steady viscoelastic flow  
**Publisher:** Dept. of Theoretical Mechanics, University of Nottingham  
**Number of Pages:** 43  
**Call Number:** K.W.241

**Reference Type:** Journal Article  
**Author:** Pipkin, A.C.; Owen, D.R.  
**Year:** 1967  
**Title:** Nearly viscometric flows  
**Journal:** Physics of fluids  
**Volume:** 10  
**Issue:** 4  
**Pages:** 836-843  
**Call Number:** K.W.235

**Reference Type:** Journal Article  
**Author:** Pipkin, A.C.; Rivlin, R. S.  
**Year:** 1958  
**Title:** Note on a paper "Further remarks on the stress-deformation relations for isotropic materials"  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 1  
**Issue:** 5  
**Pages:** 469

**Reference Type:** Book  
**Author:** Pipkin, A.C. and Tanner, R.I.  
**Year:**  
**Title:** A survey of theory and experiment in viscometric flows of viscoelastic liquids.  
**City:** Providence, R.I.  
**Publisher:** Division of Applied Mathematics, Brown University  
**Call Number:** K.W. 43

**Reference Type:** Journal Article  
**Author:** Rajagopal, K.R.  
**Year:** 1982  
**Title:** On the flow of a simple fluid in an orthogonal rheometer.  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 79  
**Issue:** 1  
**Pages:** 39-47  
**Call Number:** K.W.120

**Reference Type:** Journal Article  
**Author:** Rallison, J.M.; Hinch, E.J.  
**Year:** 1988  
**Title:** Do we understand the physics in the constitutive equation?  
**Journal:** JNNFM  
**Volume:** 29  
**Pages:** 37-55  
**Call Number:** K.W.228

**Reference Type:** Journal Article  
**Author:** Ramacharyulu, N. Ch. Patabhi  
**Year:** 1967  
**Title:** Slow steady flow of an idealized elastico-viscous liquid through a cone with a source/sink at the vertex.  
**Journal:** ZAMM  
**Volume:** 47  
**Issue:** 1  
**Pages:** 9-17  
**Call Number:** K.W. 121

**Reference Type:** Journal Article  
**Author:** Ramamurthy, A.V.  
**Year:** 1986  
**Title:** Wall slip in viscous fluids and influence of materials of construction  
**Journal:** Journal of Rheology  
**Volume:** 30  
**Issue:** 2  
**Pages:** 337-357  
**Call Number:** K.W.229

**Reference Type:** Journal Article  
**Author:** Rao, P. Raghupathi; Rao, A. Ramachandra  
**Year:** 1982  
**Title:** Flow between torsionally oscillating disks rotating about different axes at different speeds.  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 33  
**Pages:** 358-369  
**Call Number:** K.W. 119

**Reference Type:** Journal Article  
**Author:** Rea, David R.; Schowlater, W.R.  
**Year:** 1967  
**Title:** Velocity profiles of a non-Newtonian fluid in helical flow.  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 11  
**Issue:** 1  
**Pages:** 125-143  
**Call Number:** K.W. 116

**Reference Type:** Journal Article  
**Author:** Rea, David R.; Schowlater, W.R.

**Year:** 1967

**Title:** Velocity profiles of a non-Newtonian fluid in helical flow.

**Reference Type:** Journal Article

**Author:** Reiner, M

**Year:** 1951

**Title:** The rheological aspect of hydrodynamics.

**Journal:** Quarterly of applied mathematics

**Volume:** 8

**Issue:** 4

**Pages:** 341-349

**Call Number:** K.W. 118

**Reference Type:** Journal Article

**Author:** Reiner, M

**Year:** 1954

**Title:** Second order effects in elasticity and hydrodynamics.

**Journal:** Bulletin of the Research Council of Israel

**Volume:** 3

**Issue:** 4

**Pages:** 372-379

**Call Number:** K.W. 125

**Reference Type:** Journal Article

**Author:** Reiner, M

**Year:** 1960

**Title:** Cross stresses in the laminar flow of liquids

**Journal:** Physics of fluids

**Volume:** 3

**Issue:** 3

**Pages:** 427-432

**Call Number:** K.W.225

**Reference Type:** Journal Article

**Author:** Richards, B.E., Trevena, David H.; Edwards, D.H.

**Year:** 1980

**Title:** Cavitation experiments using a water shock tube.

**Journal:** Journal of physics D: Applied physics

**Volume:** 13

**Pages:** 1315-1523

**Call Number:** K.W. 99

**Reference Type:** Journal Article

**Author:** Rivlin, R. S.

**Year:** 1948

**Title:** The hydrodynamics of non-Newtonian fluids. 1

**Journal:** Proceedings of the Royal Society of London A

**Volume:** 193

**Pages:** 260-281

**Call Number:** K.W. 122

**Notes:** The British Rubber Producers' Research Association Publication no. 100

**Reference Type:** Conference Proceedings

**Author:** Rivlin, R. S.

**Year of Conference:** 1960

**Title:** Constitutive equations for classes of deformations.

**Conference Name:** Viscoelasticity: phenomenological aspects

**Conference Location:** Lancaster, Pennsylvania

**Publisher:** Academic Press

**Pages:** 93-107

**Call Number:** K.W. 124

**Notes:** A symposium sponsored by the Armstrong Cork Company, held at its Research and Development Center.

**Reference Type:** Journal Article

**Author:** Rivlin, R. S.

**Year:** 1962

**Title:** Constraints on flow invariants due to incompressibility.

**Journal:** Z. Angew. Math. Phys. (Switzerland)

**Volume:** 13

**Pages:** 589-591

**Date:** 25 November

**Call Number:** K.W.123

**Reference Type:** Journal Article

**Author:** Rivlin, R. S.; Smith, G. F.

**Year:** 1987

**Title:** A note on material frame indifference

**Journal:** Int. J. Solids Structures

**Volume:** 23

**Issue:** 12

**Pages:** 1639-1643

**Call Number:** K.W.226

**Reference Type:** Journal Article

**Author:** Rivlin, R. S.; Smith, G. F.

**Year:** 1987

**Title:** The description of material symmetry in materials with memory

**Journal:** Int. J. Solids Structures

**Volume:** 23

**Issue:** 2

**Pages:** 325-334

**Call Number:** K.W.227

**Reference Type:** Journal Article

**Author:** Roscoe, R.

**Year:** 1964

**Title:** An empirical constitutive equation for elasto-viscous liquids

**Journal:** British journal of applied physics

**Volume:** 15

**Pages:** 1095-1101

**Call Number:** K.W.224

**Reference Type:** Journal Article  
**Author:** Roscoe, R.  
**Year:** 1969  
**Title:** Free damped oscillations in viscoelastic materials  
**Journal:** British journal of applied physics (J.Phys.D)  
**Volume:** 2  
**Pages:** 1261-1266  
**Call Number:** K.W.230

**Reference Type:** Journal Article  
**Author:** Rouse, Prince E.  
**Year:** 1953  
**Title:** A theory of the linear viscoelastic properties of dilute solutions of coiling polymers.  
**Journal:** Journal of chemical physics  
**Volume:** 21  
**Pages:** 1272-1280  
**Date:** July  
**Call Number:** K.W. 117

**Reference Type:** Journal Article  
**Author:** Savins, J. G.  
**Year:** 1961  
**Title:** Some comments on pumping requirements for non-Newtonian fluids.  
**Journal:** Journal of the Institute of Petroleum  
**Volume:** 47  
**Issue:** 454  
**Pages:** 329-335  
**Call Number:** K.W. 111

**Reference Type:** Journal Article  
**Author:** Schowlater, W.R.  
**Year:** 1960  
**Title:** The application of boundary-layer theory to power-law pseudoplastic fluids: similar solutions.  
**Journal:** AiCHE journal  
**Issue:** March  
**Pages:** 24-28  
**Call Number:** K.W.107

**Reference Type:** Journal Article  
**Author:** Sedgewick, S.A.;Trevena, David H.  
**Year:** 1976  
**Title:** Limiting negative pressure of water under dynamic stressing.  
**Journal:** Journal of physics D: Applied physics  
**Volume:** 9  
**Pages:** 1983-1990  
**Call Number:** K.W. 104

**Reference Type:** Journal Article

**Author:** Seyer, F.A.; Metzner, A.B.  
**Year:** 1969  
**Title:** Turbulence phenomena in drag reducing systems.  
**Journal:** AiCHE journal  
**Issue:** May  
**Pages:** 426-434  
**Call Number:** K.W. 110

**Reference Type:** Conference Proceedings  
**Author:** Shertzer, C.R.; Metzner, A.B.  
**Year of Conference:** 1963  
**Title:** Measurement of normal stresses in viscoelastic materials at high shear rates.  
**Conference Name:** International Congress on Rheology (4th)  
**Conference Location:** Providence R.I.  
**Pages:** 603-618  
**Call Number:** K.W. 115

**Reference Type:** Conference Proceedings  
**Author:** Slibar, A.; Paslay, P.R.  
**Year of Conference:** 1962  
**Title:** On the analytical description of the flow of thixotropic materials.  
**Conference Name:** International symposium on second-order effects in elasticity, plasticity and fluid dynamics  
**Conference Location:** Haifa  
**Pages:** 1-16  
**Date:** 21-29 April  
**Call Number:** K.W. 114

**Reference Type:** Journal Article  
**Author:** Spencer, A.J.M.; Rivlin, R.S.  
**Year:** 1960  
**Title:** Further results in the theory of matrix polynomials.  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 4  
**Issue:** 3  
**Pages:** 214-230  
**Call Number:** K.W. 112

**Reference Type:** Journal Article  
**Author:** Spriggs, Thomas W.; Bird, R. Byron  
**Year:** 1965  
**Title:** Some nonlinear viscoelastic models with inclusion of results from molecular theory.  
**Journal:** I & EC fundamentals  
**Volume:** 4  
**Pages:** 182-186  
**Call Number:** K.W. 109

**Reference Type:** Journal Article  
**Author:** Sridhar, T.; Gupta, R. K.  
**Year:** 1985  
**Title:** A simple extensional viscometer.

**Journal:** Rheologica Acta  
**Volume:** 24  
**Pages:** 207-209  
**Call Number:** K.W. 127

**Reference Type:** Journal Article  
**Author:** Sridhar, T.; Gupta, R. K.  
**Year:** 1991  
**Title:** Material properties of viscoelastic liquids in uniaxial extension.  
**Journal:** Journal of Rheology  
**Volume:** 35  
**Issue:** 3  
**Pages:** 363-377  
**Call Number:** K.W. 10

**Reference Type:** Journal Article  
**Author:** Struik, L.C.E.  
**Year:** 1967  
**Title:** Free damped vibrations of linear viscoelastic materials  
**Journal:** Rheologica Acta  
**Volume:** 6  
**Issue:** 2  
**Pages:** 119-129  
**Call Number:** K.W. 113  
**Notes:** Paper read at the Annual Meeting of the German Rheologists, Berlin-Dahlem, June 7-10, 1966.

**Reference Type:** Journal Article  
**Author:** Sturges, Leroy D., Chaffey, C.E.; Brenner, Howard  
**Year:** 1968  
**Title:** Rheological behavior of a dilute emulsion.  
**Journal:** Journal of colloid and interface science  
**Volume:** 26  
**Pages:** 152-160  
**Call Number:** K.W. 108

**Reference Type:** Journal Article  
**Author:** Sturges, Leroy D.; Joseph, Daniel D.  
**Year:** 1975  
**Title:** Slow motion and viscometric motion. Part 5: the free surface on a simple fluid flowing down a tilted trough.  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 59  
**Issue:** 4  
**Pages:** 359-387  
**Call Number:** K.W. 106

**Reference Type:** Journal Article  
**Author:** Sturges, Leroy D.; Joseph, Daniel D.  
**Year:** 1977  
**Title:** The free surface on a simple fluid between cylinders undergoing torsional oscillations. Part

3: Oscillating planes.

**Journal:** Archive for rational mechanics and analysis

**Volume:** 64

**Issue:** 3

**Pages:** 245-267

**Call Number:** K.W. 105

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Title:** Various papers published by R.I. Tanner

**Call Number:** Box files 3 and 4

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Year:** 1962

**Title:** Note on the Rayleigh problem for a visco-elastic fluid.

**Journal:** ZAMP

**Volume:** 13

**Issue:** 6

**Pages:** 573-580

**Call Number:** K.W. 90

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Year:** 1963

**Title:** Helical flow of elastico-viscous liquids. Part 1: Theoretical

**Journal:** Rheologica Acta

**Volume:** 3

**Issue:** 1

**Pages:** 21-26

**Call Number:** K.W. 100

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Year:** 1963

**Title:** Helical flow of elastico-viscous liquids. Part 11: Experimental

**Journal:** Rheologica Acta

**Volume:** 3

**Issue:** 1

**Pages:** 26-34

**Call Number:** K.W. 101

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Year:** 1967

**Title:** Some almost-parallel viscoelastic flows.

**Journal:** Trans. of the Soc. of Rheol.

**Volume:** 2

**Issue:** 1

**Pages:** 39-53

**Call Number:** K.W.91

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.

**Year:** 1970

**Title:** Some methods for estimating the normal stress functions in viscometric flows.

**Journal:** Trans. of the Soc. of Rheol.

**Volume:** 14

**Issue:** 4

**Pages:** 483-507

**Call Number:** K.W.92

**Reference Type:** Journal Article

**Author:** Tanner, Roger I.; Huilgol, R.R

**Year:** 1975

**Title:** On a classification scheme for flow fields

**Journal:** Rheologica Acta

**Volume:** 14

**Pages:** 959-962

**Call Number:** K.W.173

**Reference Type:** Journal Article

**Author:** Thomson, James

**Year:** 1876-1877

**Title:** On the origins of windings of rivers in alluvial plains with remarks on the flow of water round bends in pipes.

**Journal:** Proceedings of the Royal Society of London

**Volume:** 25

**Pages:** 5-8

**Call Number:** K.W. 102

**Reference Type:** Journal Article

**Author:** Thomson, James

**Year:** 1879

**Title:** Flow round river bends.

**Journal:** Proceedings of the Institute of Mechanical Engineering

**Pages:** 456-460

**Call Number:** K.W. 103

**Reference Type:** Journal Article

**Author:** Toms, B.A.

**Year:** 1958

**Title:** Elastic and viscous properties of dilute solutions of poly(methyl) methacrylate in certain solvent/non-solvent mixtures

**Journal:** Rheologica Acta

**Volume:** 2/3

**Pages:** 137-141

**Call Number:** K.W.94

**Reference Type:** Conference Proceedings

**Author:** Toms, B.A.; Strawbridge, D.J.

**Year of Conference:** 1953

**Title:** Elastic and viscous properties of dilute solutions of polymethyl methacrylate in pyridine.

**Editor:** Harrison, V.G.W.

**Conference Name:** Proceedings of the second international congress on rheology

**Conference Location:** Oxford

**Publisher:** Butterworths

**Pages:** 99-106

**Date:** 26-31 July

**Call Number:** K.W.88

**Reference Type:** Journal Article

**Author:** Toms, B.A.; Strawbridge, D.J.

**Year:** 1953

**Title:** Elastic and viscous properties of dilute solutions of polymethyl methacrylate in organic liquids.

**Journal:** Transactions of the Faraday Society

**Volume:** 49

**Issue:** 10

**Pages:** 1225-1232

**Call Number:** K.W.95

**Reference Type:** Journal Article

**Author:** Trevena, David H.

**Year:** 1976

**Title:** The stretching and superheating of liquids.

**Journal:** Contemporary physics

**Volume:** 17

**Issue:** 2

**Pages:** 109-126

**Call Number:** K.W. 97

**Reference Type:** Journal Article

**Author:** Turian, Raffi M.

**Year:** 1972

**Title:** Perturbation solution of the steady Newtonian flow in the cone and plate and parallel plate system.

**Journal:** I & EC fundamentals

**Volume:** 11

**Issue:** August

**Pages:** 361-368

**Call Number:** K.W. 93

**Reference Type:** Personal Communication

**Author:** Various

**Year:** 1980

**Title:** Correspondence concerning the "simple fluid" controversy of the 1980's.

**Recipient:** Walters, K.

**Reference Type:** Journal Article

**Author:** Vernon, J.H.C.

**Year:** 1965

**Title:** The teaching of rheology  
**Journal:** British Society of Rheology Bulletin  
**Pages:** 95-103  
**Date:** March  
**Call Number:** K.W.211

**Reference Type:** Book  
**Author:** Voituriez, M.  
**Year:** 1975  
**Title:** Lexique Francais-Allemand-Anglais de rheologie  
**Number of Pages:** 8  
**Call Number:** K.W.240  
**Notes:** This work is a logical extension of the 'German-French glossary of rheology' published in 1972- preface.

**Reference Type:** Journal Article  
**Author:** Walters, K.  
**Year:** 1961  
**Title:** Use of idealized relaxation spectra in the interpretation of experimental results concerning polymer solutions  
**Journal:** Journal of applied physics  
**Volume:** 32  
**Issue:** 10  
**Pages:** 1975-1978  
**Call Number:** K.W.234

**Reference Type:** Journal Article  
**Author:** Walters, K.  
**Year:** 1962  
**Title:** A note on the rectilinear flow of elastico-viscous liquids through straight pipes of circular cross-section  
**Journal:** Archive for rational mechanics and analysis  
**Volume:** 9  
**Issue:** 5  
**Pages:** 411-414  
**Call Number:** K.W.222

**Reference Type:** Journal Article  
**Author:** Walters, K.  
**Year:** 1965  
**Title:** The computation of Rivlin-Ericksen tensors in a general curvilinear coordinate system  
**Journal:** Physics of fluids  
**Call Number:** K.W.243

**Reference Type:** Journal Article  
**Author:** Walters, K.  
**Year:** 1970  
**Title:** On a boundary-layer controversy  
**Journal:** Journal of applied mathematics and physics (ZAMP)  
**Volume:** 21  
**Issue:** 2

**Pages:** 276-281  
**Call Number:** K.W.217

**Reference Type:** Journal Article

**Author:** Walters, K.

**Year:** 1970

**Title:** Rheometrical flow systems part 1: Flow between concentric spheres rotating about different axes

**Journal:** Journal of fluid mechanics

**Volume:** 40

**Issue:** 1

**Pages:** 191-203

**Call Number:** K.W.218

**Reference Type:** Conference Proceedings

**Author:** Walters, K.

**Year of Conference:** 1974

**Title:** Polymers as additives in lubricating oils

**Conference Name:** Colloques internationaux du C.N.R.S.

**Conference Location:** Brest

**Publisher:** C.N.R.S.

**Pages:** 27-36

**Call Number:** K.W.232

**Reference Type:** Journal Article

**Author:** Walters, K.; Barnes, H. A.; Dobson, A.G.

**Year:** 1971

**Title:** Drag reduction in unconventional flow situations

**Journal:** Chemical Engineering Progress Symposium series

**Volume:** 67

**Issue:** 111

**Pages:** 1-5

**Call Number:** K.W.219

**Reference Type:** Conference Proceedings

**Author:** Walters, K.; Jones, T.E.R.

**Year of Conference:** 1970

**Title:** Further studies on the usefulness of the Weissenberg rheogoniometer

**Editor:** Onogi, Shigeharu

**Conference Name:** Proceedings of the Fifth international Congress on Rheology

**Conference Location:** Kyoto

**Publisher:** University of Tokyo Press and University Park Press

**Volume:** 4

**Pages:** 337-350

**Call Number:** K.W.221

**Reference Type:** Journal Article

**Author:** Walters, K.; Kemp, R.A.

**Year:** 1968

**Title:** On the use of a rheogoniometer. Part III: Oscillatory shear between parallel-plates

**Journal:** Rheologica Acta

**Volume:** 7  
**Issue:** 1  
**Pages:** 1-8  
**Call Number:** K.W.213

**Reference Type:** Journal Article  
**Author:** Walters, K.; Savins, J. G.  
**Year:** 1965  
**Title:** A rotating-sphere elastoviscometer  
**Journal:** Trans. of the Soc. of Rheol.  
**Volume:** 9  
**Issue:** 1  
**Pages:** 407-416  
**Call Number:** K.W.215

**Reference Type:** Conference Proceedings  
**Author:** Walters, K.; Townsend, P.  
**Year of Conference:** 1970  
**Title:** The flow of viscous and elastico-viscous liquids in straight pipes under a varying pressure gradient  
**Editor:** Onogi, Shigeharu  
**Conference Name:** Proceedings of the fifth International Congress on Rheology  
**Conference Location:** Kyoto  
**Publisher:** University of Tokyo Press and University Park Press  
**Volume:** 4  
**Pages:** 471-483  
**Call Number:** K.W.216

**Reference Type:** Journal Article  
**Author:** Walters, K.; Waters, N.D.  
**Year:** 1964  
**Title:** The interpretation of experimental results obtained from a rotating-sphere elastoviscometer  
**Journal:** British journal of applied physics  
**Volume:** 15  
**Pages:** 989-991  
**Call Number:** K.W.220

**Reference Type:** Correspondence  
**Author:** Walters, K.  
**Year:** 1980's  
**Title:** Correspondence to and from Ken Walters  
**Collection Title:** Correspondence concerning the 'simple fluid' controversy of the 1980's  
**Call Number:** K.W. Box file no. 5

**Reference Type:** Journal Article  
**Author:** Waters, N.D.; King, M.J.  
**Year:** 1970  
**Title:** The steady flow of an elastico-viscous liquid induced by a rotating spheroid  
**Journal:** Quarterly journal of mechanics and applied mathematics  
**Volume:** 24  
**Issue:** 3

**Pages:** 331-346  
**Call Number:** K.W.214

**Reference Type:** Journal Article  
**Author:** Wilkinson, W.  
**Year:** 1970  
**Title:** The drainage of a Maxwell liquid down a vertical plate  
**Journal:** Chemical Engineering Journal  
**Volume:** 1  
**Pages:** 255-257  
**Call Number:** K.W.223

**Reference Type:** Journal Article  
**Author:** Williams, Michael C.; Bird, R. Byron  
**Year:** 1962  
**Title:** Three-constant Oldroyd model for viscoelastic fluids  
**Journal:** Physics of fluids  
**Volume:** 5  
**Issue:** 9  
**Date:** September  
**Call Number:** K.W.231

**Reference Type:** Journal Article  
**Author:** Wineman, A.S.; Pipkin, A.C.  
**Year:** 1966  
**Title:** Slow viscoelastic flow in tilted troughs  
**Journal:** Acta mechanica  
**Volume:** 2  
**Issue:** 1  
**Pages:** 104-115  
**Call Number:** K.W.233

**Reference Type:** Journal Article  
**Author:** Zahorski, Stefan  
**Year:** 1972  
**Title:** Flows with proportional stretch history  
**Journal:** Archives of mechanics  
**Volume:** 24  
**Issue:** 5-6  
**Pages:** 681-699  
**Call Number:** K.W.212

