

Refereed (and Invited) Publications

(in approximate chronological order)

1. Measurement of the Evolution in Phase Space of an Electron Beam Interacting with a Plasma, *Plasma Physics*, 15, 826 (1973), W. Carr, D. Boyd, R. Jones and M. Seidl.
2. Energy Lost by an Electron Beam in Interaction with a Plasma, *Phys. Lett.*, 45A, 421 (1973), D. Boyd, W. Carr, R. Jones and M. Seidl.
3. Saturation of Beam-Plasma Instability in a Lossy Plasma, *Phys. Flu.*, 17, 1638 (1974), W. Carr, R. Jones, D. Boyd, J. Manickam and M. Seidl.
4. Saturation of Absolute Beam-Plasma Instability by Beam Trapping, *Plasma Physics*, 17, 623 (1975). W. Carr, R. Jones and M. Seidl.
5. Nonlinear Development of Absolute and Convective Instabilities, *Phys. Flu.*, 19, 78 (1976), M. Seidl, W. Carr, D. Boyd, and R. Jones.
6. Transition from Particle Trapping to Quasi-linear-like Beam-Plasma System, *Phys. Flu.*, 19, 548 (1976), R. Jones, W. Carr and M. Seidl.
7. Beam Trapping Subsequent to the Parametric Pump Depletion Saturation of a Beam-Plasma Instability, *Phys. Flu.*, 19, 607 (1976), R. Jones, W. Carr, and M. Seidl.
8. Evolution of Nonlinear Magnetohydrodynamic Mode Structures, *Phys. Flu.*, 19, 1425 (1976), R. Jones.
9. Synergistic Effects of Simultaneous Beam and RF Plasma Heating, *Phys. Lett.* 58A, 307, (1976), R. Jones.
10. Dispersion Relation Mediated Wave and Particle Acceleration Into Increasing Plasma Gradients, *Plasma Physics*, 19, 259 (1977), R. Jones.
11. Improved Feedback Stabilization of Interior Plasma Modes, *Phys. Lett.* 60A, 117 (1977), R. Jones.
12. Comparison of Amplifying Modes and Feedback Oscillations in a Beam-Plasma Experiment, *Phys. Flu.*, 20, 791 (1977), R. Jones, W. Carr and M. Seidl.
13. Stationary Turbulence as a Confinement Layer for Fusion Reactors, *Nuovo Cimento*, 40B, N.1, 182 (1977), R. Jones.
14. Oscillating Beam-Plasma Instabilities Excited by Single and Counterstreaming Beams, *Phys. Flu.*, 20, 1029 (1977), R. Jones.
15. Accelerated Thermalization of an Inhomogeneous Beam-Plasma System, *Plasma Phys.*, 19, 925 (1977), R. Jones.
16. The Mode Transition Process in Collisional Drift Waves and Self-Consistent Plasma Diffusion Across a Magnetic Field, *Can. J. Phys.*, 55, 1356 (1977), R. Jones.
17. A High Q Resonant Probe for Plasma Wave Diagnostics, *J. Phys. E*, 10, 1108 (1977), R. Jones.
18. Wall Stabilized, High Beta Equilibria in Tokamaks of Arbitrary Cross Section, *Nuovo Cimento*, 40B, 303 (1977), R. Jones.
19. Formation, Evolution, and Diffusion of an Electrostatic Wave Coupled, Multicomponent Plasma, *Nuovo Cimento*, 40B, 261 (1977), R. Jones.
20. Intense Ion Beam Extraction Through a Non-equilibrium Plasma Sheath, *Phys. Lett.* 62A, 493 (1977), R. Jones.
21. Ambient Boundary Layer Flow As A Mechanism For Diverting Plasma Impurities, *Kaku Yugo Kenkyu*, 38, 35 (1977), R. Jones.
22. Theory of A Stable Ion Source Discharge, *J. Ind. Inst. Sci.* 60, 71 (1978), R. Jones.
23. Optimization and Performance of Electrostatic Particle Analyzers. *Rev. Sci. Inst.* 49, 21 (1978). R. Jones
- errata, 50, 392 (1979) R. Jones.
24. The Delay of Arc Starvation Saturation in an Intense Ion Source Discharge, *Phys. Lett.*, 67A, 194 (1978), R. Jones.
25. Coupling Between A Plasma and an RF Heating Antenna, *Plasma Phys.* 20, 713 (1978), R. Jones.
26. Origin and Confinement of Energetic Ions in a Multipole Plasma, *Plasma Phys.*, 20, 717 (1978), R. Jones.
27. A Directional Probe for the Analysis of Energetic Plasma Electrons, *A. J. Phys.*, 46, 1192 (1978), R. Jones.
28. Design of Hot Cathodes for Plasma and Electron Physics Experiments, *A.J. Phys.*, 47, 198 (1979), R. Jones.
29. A Demonstration of Plasma-Laser Beam Focusing Using Paint Stripper Flames, *A. J. Phys.*, 46, 1197 (1978), R. Jones.
30. Optimization of Plasma Quiescence, *J. Plasma Phys.*, 20, 221, (1978), R. Jones.
31. Exterior Electric Probes for Plasma Physics Experiments, *Phys. Ed.*, 14, 59 (1979), R. Jones.
32. Transverse Beam Motion Acquired During Beam-Plasma Heating, *Plasma Phys.*, 20, 1291 (1978), R. Jones.
33. Ionization Enhancement of the Differential Pumping of Gas Discharge Columns, *Vacuum*, 29, 27 (1979), R. Jones.
34. Observations of the Cross-Field Ion Acoustic Instability in the Asymptotic Quasilinear Limit, *S. African J. Phys.*, 2, 37 (1979), R. Jones.
35. Impurity Control Techniques for Thermonuclear Fusion Devices (Review Paper), *S. African J. Sci.*, 74, 470 (1978), R. Jones.
36. Self-Propelling Pellets for Fusion Reactor Refueling, *Lett. Nuovo Cimento*, 23, 198 (1978), R. Jones.
37. Ionization Stability of Discharges Sustained by Primary Electrons, *Plasma Phys.*, 21, 399 (1979), R. Jones.
38. The Resolution of a Paradox Which Arises in the Elementary Discharge Theory of an Ion Source, *Pramana*, 12, 1 (1979), R. Jones .
39. Turbulent Heating of Tokamak Plasmas by Runaway Electron Beam-Plasma Instability, *J. Plasma Phys.*, 21, 445 (1979), R. Jones.
40. Effects of Time Variable Boundaries on End Loss in Open System Magnetic Confinement of Plasmas, *Nuovo Cimento*, 49B, 169 (1979), R. Jones.
41. A Source of Error in Cusp Plasma Leak Measurements, *Plasma Phys.*, 21, 505 (1979), R. Jones.
42. Categorization of High-Beta Equilibria in Tokamaks of Arbitrary Cross-Section, *Can. J. Phys.*, 57, 635 (1979), R. Jones.
43. A Compact Experiment to Determine the Efficacy of Colliding Macroscopic Pellet Fusion, *J. Ind. Inst. Sci.*, 61, 1 (1979), R. Jones.
44. Nonlinear Cross-Field Ion Acoustic Instability and Plasma Heating, *Phys. Flu.*, 23, 956 (1980), R. Jones and P.J. Barrett.
45. Ambient Boundary Layer Flow as a Mechanism for Diverting Plasma Impurities, *J. Ind. Inst. Sci.*, 61, 9 (1979), R. Jones (only a slight modification of paper #21).
46. Adjustment Of The Ion Energy Distribution In Double Plasma And Other Synthesized Plasma Devices, *Pramana*, 13, 329 (1979), R. Jones.

47. RF Injection For Refueling And Impurity Control Of Fusion Reactors, *J. Ind. Inst. Sci.*, *61*, 187 (1979), R. Jones.
48. Laboratory Plasma Devices (Review Paper), *Phys. Reports*, *61*, 295 (1980), R. Jones.
49. RF Feedback Stabilization Of A Thin Line Cusp Magnetoplasma Sheath, *Plasma Phys.*, *22*, 355 (1980), R. Jones.
50. Experimental Studies Of Plasma Turbulence, Anisotropic Resistivity, And Particle Diffusion Across A Magnetic Field, *I.E.E.E. Trans. On Plasma Sci.*, *8*, 14 (1980), R. Jones.
51. Preliminary Experimental Observations Of Turbulent Thermal Insulation, *Plasma Phys.*, *22*, 753 (1980), R. Jones.
52. Experimental Observations Of Refueling Pellet Self-Propulsion, *Plasma Phys.*, *22*, 813 (1980), R. Jones.
53. RF Stabilization Of Reentrant End Plugs And High Beta Stellarators, *L. Il Nuovo Cimento*, *31*, 592 (1981), R. Jones.
54. Fusion Reactor Start-up By RF Cavity Mode Heating Of A Gas, *Pramana*, *15*, 137 (1980), R. Jones.
55. Preliminary Observations Of Electrostatic Endplugging In Tandem Cusp Experiments, *Plasma Phys.*, *23*, 31 (1981), R. Jones.
56. Electron Space Charge Ion Heating In An Aerosol Discharge Plasma, *Ind. J. Phys.*, *55B*, 397 (1981), R. Jones.
57. Cusp Leak Width Reduction By Electron Beam Injection, *Plasma Phys.*, *23*, 381 (1981), R. Jones.
58. Subclassical Particle Diffusion Across Magnetic Induction, *Plasma Phys.*, *23*, 609 (1981), R. Jones.
59. Plasma Physics Studies In Singapore (Invited Review Paper), *Bul. Fizik*, *2*, 21 (1981), R. Jones.
60. A Subsonic Steady State Theory Of The Spherical Expansion Of A Heated Gas Source, *Ind. J. of Pure and Appl. Phys.*, *19*, 1031 (1981), R. Jones.
61. Volterra Type Ionization Fluctuations in a Tokamak Divertor, *Phil. J. Sci.*, *110*, 37 (1981), R. Jones.
62. Turbulent End Plugging and Experimental Observations Of Ion Cyclotron Instability, *Ind. J. Phys.*, *56B*, 44 (1982), R. Jones.
63. The Relationship Between Density and Potential Fluctuations In Low Frequency Magnetoplasma Turbulence, *Curr. Sci.*, *50*, 613 (1981), R. Jones.
64. Stationary Plasma Double Layers Sustained By Differential Vacuum Pumping, *J. Ind. Inst. Sci.*, *63*, 1 (1981), R. Jones.
65. A Unidirectional Ion Source Discharge, *I.E.E.E. Trans. On Plasma Sci.*, *10*, 8 (1982), R. Jones, K.L. Tan and A. Rajaratnam.
66. An Introductory Review of Current Research In Controlled Thermonuclear Fusion (Review Paper), *J. Sing. Nat. Acad. Sci.*, *9*, 71 (1980), R. Jones.
67. Stationary Turbulence As Plasma Thermal Insulation, *Plasma Phys.*, *24*, 445 (1982), R. Jones.
68. Neutral Particle Modeling Assumptions: Theory and Experiment, *Pramana*, *18*, 99 (1982), R. Jones.
69. Experimental Observations Of The Effect Of Time-Variable Boundaries On End Loss In Open-System Magnetic Confinement Of Plasmas, *Ind. J. Phys.*, *56B*, 127 (1982), R. Jones.
70. Refereeing Justice, *Physics Today*, *35*, 5, 131 (1982), R. Jones. and *Physics Today*, *35*, 10, 114 (1982), R. Jones.
71. Leak Width Scaling Of A Turbulent Magnetoplasma Line Cusp, *L. Nuovo Cimento*, *34*, 157 (1982), R. Jones.
72. Plasma Physics Studies In Singapore, in *Fusion Energy 1981*, I.A.E.A. - SMR - 82, pg. 372, R. Jones (a condensed version of paper 59).
73. Electrostatic Boundary Conditions And The Cusp Leak Width Problem, *Ind. J. Physics.*, *56B*, 257 (1982) R. Jones.
74. Ion Source Scaling Laws, *Pramana*, *19*, 279 (1982) R. Jones.
75. Catastrophes In Certain Plasma Physical Models, *PMS Journal*, *74* (1982), R. Jones.

76. Electron Beam Fusion, Energy Compression, And The Absolute Instability, *Pramana*, 20, 47 (1983) R. Jones
77. Negative Resistance Characteristic Of A Langmuir Probe In A Turbulent Plasma, *L. Nuovo Cimento*, 36, 249 (1983) R. Jones
78. Anode Tufts, Arc Faulting, And Plasma Nonuniformity In Ion Sources, *L. Nuovo Cimento*, 36, 299 (1983) R. Jones
79. Subclassical Diffusion In The Coulomb Regime And In Toroidal Geometry, *Plasma Phys.*, 25, 901 (1983) R. Jones
80. Nonlinear Development Of Absolute And Convective Beam-Plasma Instabilities, R. Jones, 1975, Xerox University Microfilms, Ann Arbor, Michigan, #76-5026
81. Progress Report, Nuclear Fusion And Basic Plasma Physics Studies: Theory-Computation-Experiment, R. Jones, July 1979
82. Progress Report, Nuclear Fusion And Basic Plasma Physics Studies: Theory-Computation-Experiment, R. Jones, January 1983
83. Crossfield Diffusion Of A Hollow Magnetoplasma, *L. Nuovo Cimento*, 37, 330 (1983) R. Jones
84. Crossfield Electrostatic Confinement In Cusps, *Plasma Phys.*, 25, 1535 (1983) R. Jones
85. Plasma Confinement In An Axisymmetric Toroidal Multipole Cusp, *Nuovo Cimento*, 78, 249 (1983) R. Jones
86. Contaminant Deposits In The Reactor Studies Experiment, *Ind. J. Phys.*, 57B, 378 (1983) R. Jones
87. The Conceptual Design Of A Tandem Cusp Thermonuclear Reactor, *Proc. 10th Sym. Fusion Eng.*, 1864 (1984) R. Jones
88. Comment On Collisional Diffusion Of A Plasma In Multipolar And Picket Fence Devices, *Phys. Fluids*, 27, 2780 (1984) R. Jones
89. A Theoretical Model Of Magneto-electrostatic Confinement, *Ind. J. Phys.*, 59B, 63 (1985) R. Jones
90. Magneto-electrostatic Confinement In Tori, *L. Nuovo Cimento*, 41, 107 (1984) R. Jones

91. Plasma Confinement Geometries Obtainable With Permanent Magnets, Eur. J. Phys., 6, 91 (1985) R. Jones
92. Particle Injection For Magneto-electrostatic Confinement, L. Nuovo Cimento, 42, 117 (1985) R. Jones
93. Filament Cathode Emission Asymmetry In Low Pressure Magnetized Arcs, Ind. J. Phys., 59B, 320 (1985) R. Jones
94. Surface Barrier Confinement Of Plasmas, L. Nuovo Cimento, 42, 305 (1985) R. Jones
95. A Magnetically Guarded Dipole Limiter, L. Nuovo Cimento 42, 421 (1985) R. Jones
96. Magneto-electrostatic Confinement In RSX-I, L. Nuovo Cimento, 42, 357 (1985) R. Jones
97. Plasma Confinement In Squared Tori, L. Nuovo Cimento, 43, 127 (1985) R. Jones
98. Improved Plasma Confinement In Spindle Cusp Ion Sources, Ind. J. Phys., 59B, 325 (1985) R. Jones
99. Magnetoreaction Confinement of Plasmas, L. Nuovo Cimento, 43, 369 (1985) R. Jones
100. Ambipolar Electrostatic Plugging of Field Error Losses, Ind. J. Phys., 60B, 474 (1986) R. Jones
101. Turbulent Thermal Insulation of a Plasma Confined in a Stochastic Magnetic Field, L. Nuovo Cimento, 44, 109 (1985), R. Jones
102. Magneto-electrostatic Confinement in RSX-II, L. Nuovo Cimento, 44, 223 (1985) R. Jones
103. Tandem Mirrors Sustained by High Voltage D. C. Nuovo Cimento, 9D, 247 (1987), R. Jones
104. Plasma Confinement Augmentation by ExB Drifts, Sing. Jour. Physics, 4, 109 (1987) R. Jones

105. Limitations on Magneto-electrostatic Confinement, Ind. J Phys., 60B, 549 (1986), R. Jones
106. Magneto-electrostatic Confinement With Negative Potentials, Ind. J. Phys., 61B , 51 (1987), R. Jones
107. A Magnetic Ash Extractor for Thermonuclear Reactors, Sing. J. Phys., 4, 125 (1987), R. Jones
108. A New Low Pressure Gas Discharge Device, Trans. of Kan. Acad. Sci., 90 , 120 (1987), R. Jones
109. Magneto-electrostatic Confinement in Tandem Mirror Geometry, Il Nuovo Cimento, 9D, 337 (1987), R. Jones
110. Magneto-electrostatic Confinement With Symmetric Surface Potentials, Ind. J. Phys. 61B, 547 (1987), R. Jones
111. Hysteresis in Gas Discharges, Phys. Education, 23, 123 (1988) R. Jones
112. Intermittent High Temperatures in Pulsed Plasmas, Sing. J. Phys., 5, 27 (1988), R. Jones
113. Turbulent Thermal Insulation of Toroidal Plasmas, Current Science, 57, 991 (1988) R. Jones
114. Kapitza Boundary Layers for Improved Plasma Confinement, Trans. Kansas Acad. Sci., 91, 163 (1988) R. Jones
115. Plasma: The Fourth State of Matter, Kan. Sci. Teacher, 5, 18 (1988) R. Jones
116. Characteristics of Magnetically Guarded Electrodes, Trans. Kansas Acad. Sci., 92, 176 (1989) R. Jones
117. Confinement of Fusion Plasmas With Electric Fields, J. of Ind. Inst. Sci., 69, 373 (1989) R. Jones
118. Letter on Cold Fusion, Physics Today, 42, 9, 142 (1989) R. Jones
119. Maintaining Magneto-electrostatic Confinement Layers, Sing. J. Phys., 7, 55 (1990) R. Jones
120. A Theory of Magneto-electrostatic Confinement, Phil. J. of Sci., 119, 171 (1990) R. Jones

121. A Laboratory Demonstration of Strong Particle Focusing, Kan. Sci. Teacher, 6, 17 (1990) R. Jones
122. Controlling the Plasma Potential Across a Magnetic Field, Trans. Kansas Acad. Sci., 93, 125 (1990) R. Jones
123. Magneto-electrostatic Confinement of Tokamak Plasma, Sing. J. Phys. 8, 103 (1991) R. Jones
124. Are Radiation-Free Nuclear Reactions Possible?, Kan. Sci. Teacher, 7, 12 (1990) R. Jones
125. Fusion Boundary Conditions, Phil. J. Sci., 120, 203 (1991), R. Jones
126. Electrostatic Probe Characteristics in a Magnetic Field, Trans. Kansas Acad. Sci. 94, 153 (1991) R. Jones
127. A Theoretical Study of Magneto-electrostatic Confinement Scaling, Phil. J. Sci., 120, 305 (1991), R. Jones
128. The Nature of Scientific Discovery-A Commentary, Kan. Sci. Teacher, 8, 19 (1991) R. Jones
129. Plasma Confinement with Electric and Magnetic Fields, Trans. Kansas Acad. Sci., 95, 122 (1992) R. Jones
130. An Experimental Study of Magneto-electrostatic Confinement Scaling, Phil. J. Sci., 120, 439 (1991) R. Jones
131. Students and Teachers Need to Face Facts, Physics Today, 45, 7, 92 (1992) R. Jones
132. Thermonuclear Neutrons from Magneto-electrostatically Confined Plasmas, Phil. J. Sci., 122, 77 (1993) R. Jones
133. Follow The Bouncing Ball, The Physics Teacher, 31, 313 (1993) R. Jones
134. A Magnetically Guarded Electrostatic Probe, I.E.E.E. Trans. Plasma Sci., 21, 785 (1993), R. Jones
135. Particle Balance Curves for Plasma Devices, Phil. J. Sci. 123, 29 (1994) R. Jones
136. The Ranque Vortex Effect in a Rotating Plasma, Trans. Kansas Acad. Sci. 97, 109 (1994) R. Jones

137. Emergent Phenomena, Kan. Sci. Teacher, 10, 11 (1994) R. Jones
138. Anomalous Losses From A Magneto-electrostatic Confinement Experiment, Phil. J. Sci., 123, 323 (1994) R. Jones
139. Plasma Heating with Electrically Biased Plasma Guns, Trans. Kansas Acad. Sci. 97, 136 (1994) R. Jones
140. Holes in Magneto-electrostatic Traps, Phil. J. Sci., 125, 59 (1995) R. Jones
141. Some Resources and Ideas for Plasma Experiments, The Bell Jar, 4, 3 (1995) S. Hansen and R. Jones
142. Criticism of Self-directed Learning, Am. J. of Physics, 64, 109 (1996) R. Jones
143. A Cheap Metal Vacuum Chamber, The Bell Jar, 4, 9 (1995) R. Jones
144. Plasma Parameter Optimization Using A Neural Network, Trans. Kansas Acad. Sci., 98, 144 (1995) R. Jones
145. Comment on a paradox involving the second law of thermodynamics, Phys. Plasmas, 3, 705 (1996) R. Jones
146. A Low Pressure Gas Discharge Device, Phil. Technology J., 20 (4), 28 (1995) R. Jones
147. An Intelligent Plasma/Ion Source Controller, Trans. Kansas Acad. Sci., 99, 85 (1997) R. Jones
148. Comments on The Introductory Calculus-Based Physics Textbook, Physics Today, 50, 4, 15 (1997) R. Jones
149. Exploring Nature and Solving Physics Problems, Kan. Sci. Teacher, 13, 22 (1998) R. Jones
150. Comments on Peer Instruction: A User's Manual, Physics Today, 50, 163 (1997) R. Jones
151. The Origin of the Negative Resistance found in Langmuir Probe Characteristics, Trans. Kansas Acad. Sci. 101, 49 (1998) R. Jones

152. Expert System Control of Plasma Experiments, Trans. Kansas Acad. Sci. 101, 132 (1998) R. Jones
153. Experiments in Computer-Aided Creativity, Trans. Kansas Acad. Sci. 102, 32 (1999) R. Jones
154. A Highly Automated Laboratory Experiment, Tran. Kansas Acad. Sci. 102, 117 (1999) R. Jones
155. A Popular Demonstration of the Lorentz Force, Am. J. Phys., 68, 773 (2000) R. Jones
156. Neural Network Analysis of Langmuir Probe Data From a Magnetized Plasma, Trans. Kansas Acad. Sci., 104, 31 (2001) R. Jones
157. Magneto electrostatic Confinement of Maxwellian and NonMaxwellian Plasmas, Tran. Kansas Acad. Sci., 105, 72 (2002) R. Jones
158. Neural Network Tuning of Radio Frequency Plasma Sources, Emporia State Research Studies, 42, 73 (2002) R. Jones
159. An Autonomous Software Agent for Industrial Process Control, Trans. Kansas Acad. Sci., 107, 32 (2004) R. Jones
160. Reproducibility and It's Limits, Kan. Sci. Teacher, 15, 29 (2004) R. Jones
161. Asa H: A Hierarchically Structured Autonomous Software Agent, Trans, Kansas Acad. Sci., 109, 159 (2006) R. Jones
162. Artificial Intelligence in Operation Today, Skeptic, Vol. 12, #3, 14 (2006) R. Jones
163. Meeting Challenges and Facing the Music in Physics Education, Physics Today, August, Pg. 10 (2006) R. Jones
164. A Question of Semantics, Scientific America, April 2008, pg.14, R. Jones

Conference Presentations

(in chronological order)

1. Measurement of the Transverse Beam Motion Acquired in a Non-Linear Beam Plasma Instability, *Bull. Am. Phys. Soc.*, 18, 1306 (1973), D. Boyd, W. Carr, R. Jones, and M. Seidl.
2. Effects of Linear Plasma Dissipation in Beam-Plasma Instabilities, *Bull. Am. Phys. Soc.*, 18, 1306 (1973), W. Carr, D. Boyd, R. Jones and M. Seidl.
3. Beam to Plasma Energy Transfer in a Beam-Plasma System, *Bull. Am. Phys. Soc.*, 18, 1306 (1973), R. Jones, D. Boyd, W. Carr, J. Manickam and M. Seidl.
4. Saturation of Absolute Beam-Plasma Instability by Beam Trapping, *Bull. Am. Phys. Soc.*, 19, 907 (1974), W. Carr, M. Seidl and R. Jones.
5. Saturation and Nonlinear Development of Absolute and Convective Instabilities Due to Multiwave Interaction, *Bull. Am. Phys. Soc.*, 19, 907 (1974), R. Jones, W. Carr and M. Seidl.
6. Beam Trapping Subsequent to Parametric Depletion In Beam-Plasma Instabilities, *Bull. Am. Phys. Soc.*, 20, 1375 (1975), R. Jones, W. Carr and M. Seidl.
7. Beam Spread to Higher Energy in Beam-Plasma Instability, *Bull. Am. Phys. Soc.*, 20, 1354 (1975), W. Carr, M. Seidl and R. Jones.
8. Intense Ion Beam Extraction Through a Non-equilibrium Plasma Sheath, *Bull. Am. Phys. Soc.*, 21, 1065 (1976), R. Jones.
9. Thermonuclear Power Device, *Bull. Am. Phys. Soc.*, 21, 1311 (1976), R. Jones.
10. Self-Propelling Pellets for Fusion Reactor Refueling, *Bull. Am. Phys. Soc.*, 22, 1064 (1977), R. Jones.
11. A Thermonuclear Reactor, *Bull. Am. Phys. Soc.*, 23, 320 (1978), R. Jones.
12. Saturation of the Cross-Field Current-Driven Ion Acoustic Instability, S.A.I.P. 23rd Ann. Conf., Pretoria, 1978, R. Jones and P.J. Barrett.
13. Heating of Plasma Ions by Electron Space Charge Fields, S.A.I.P. 23rd Ann. Conf., Pretoria, 1978, R. Jones
14. Nonlinear Behaviour of the Cross-Field Ion Acoustic Instability, *Bull. Am. Phys. Soc.*, 23, 843 (1978), P.J. Barrett and R. Jones.
15. Transient Plasma Inhomogeneities As a Means Of Efficient Electron Space Charge Ion Heating, *Bull. Am. Phys. Soc.*, 24, 75 (1979), R. Jones.
16. Effects of Time Variable Boundaries On End Loss In Open System Magnetic Confinement of Plasmas, *Bull. Am. Phys. Soc.*, 24, 75 (1979), R. Jones.
17. Introduction To Tokamaks; A Classic Comics Edition, Proceedings of the Second Plasma Physics Summer School, Durban R.S.A., (1979), R. Jones.
18. Toroidal Plasma Boundary Layers, Proceedings of the Second Plasma Physics Summer School, Durban, R.S.A., (1979), R. Jones.
19. Nonlinear Drift Wave Induced Plasma Transport, Proceedings of the Second Plasma Physics Summer School, Durban, R.S.A., (1979), R. Jones.
20. High Beta Tokamak Equilibria, Proceedings of the Second Plasma Physics Summer School, Durban, R.S.A., (1979), R. Jones.
21. Advanced Confinement Systems, *Bull. Am. Phys. Soc.*, 24, 1009 (1979), R. Jones.
22. Experimental Studies of Plasma Turbulence, Anisotropic Resistivity, And Particle Diffusion Across A Magnetic Field, *Bull. Am. Phys. Soc.*, 24, 1043 (1979), R. Jones.
23. An Austere Multi-Megajoule Plasma Focus Neutron Source Based On Integral Explosive Flux Compression, *Bull. Am. Phys. Soc.*, 25, 833 (1980), R. Jones.
24. Plasma Diagnosis by Stroboscopic Plasmascope, *Bull. Am. Phys. Soc.*, 25, 916 (1980), R. Jones.
25. Experimental Observation Of Subclassical Particle Diffusion Across Magnetic Induction, *Bull. Am. Phys. Soc.*, 26, 42 (1981), R. Jones.
26. Bohm Diffusion And The Cusp Leak Width Problem, *Bull. Am. Phys. Soc.*, 26, 41 (1981), R. Jones.
27. Pseudoclassical Enhancement of Neoclassical Confinement, *Bull. Am. Phys. Soc.*, 26, 588 (1981), R. Jones.
28. Toroidal Plasma Equilibria In The Absence Of A Rotational Transform, *Bull. Am. Phys. Soc.*, 26, 588 (1981), R. Jones.
29. Centrifugal Two Fluid Choked Cusp Confinement Scheme, *Bull. Am. Phys. Soc.*, 27, 36 (1982), R. Jones.
30. A New Plasma Confinement Device, *Bull. Am. Phys. Soc.*, 27, 36 (1982), R. Jones.
31. An Improved Mirror Machine for Plasma Confinement, *Bull. Am. Phys. Soc.*, 27, 36 (1982), R. Jones.
32. High Order Tandem Multicusp End Plugs, *Bull. Am. Phys. Soc.*, 27, 497 (1982), R. Jones.
33. Hollow Tandem Cusps, *Bull. Am. Phys. Soc.*, 27, 497 (1982), R. Jones.
34. Subclassical Diffusion In The Coulomb Regime And Toroidal Geometry, *Bull. Am. Phys. Soc.*, 27, 963 (1982), R. Jones.
35. Crossfield Diffusion Of A Hollow Plasma, *Bull. Am. Phys. Soc.*, 27, 963 (1982), R. Jones.
36. Turbulent Thermal Insulation Of Magnetoactive Tokamak Plasmas, *Bull. Am. Phys. Soc.*, 27, (1982), R. Jones.
37. Cusp Plasma Stabilization of Axisymmetric Mirrors, *Bull. Am. Phys. Soc.*, 28, (1983), R. Jones.
38. The Plasma Physics Research Programme, *Bull. Fac. Sci. N.U.S.*, 1, 21 (1981), R. Jones, K.L. Tan, P.P. Ong, and A. Rajaratnam.
39. Subclassical Plasma Diffusion, *Bull. Fac. Sci. N.U.S.*, 2, 11 (1982), R. Jones.
40. Crossfield Diffusion of a Hollow Magnetoplasma, *Bull. Fac. Sci. N.U.S.*, 3 (1983), R. Jones.
41. Turbulent Thermal Insulation With Clump Regeneration, *Bull. Fac. Sci. N.U.S.*, 3, (1983), R. Jones.
42. Plasma Confinement In An Axisymmetric Toroidal Multipole Cusp, *Bull. Fac. Sci. N.U.S.*, 4, (1983), R. Jones.
43. Waves In Plasmas, *Bull. Fac. Sci. N.U.S.*, 4, (1983), R. Jones.
44. Magneto Electrostatic Confinement In Tori, *Bull. Fac. Sci. N.U.S.*, 4, (1983), R. Jones.

45. Experiment in Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 29, 44 (1984) R. Jones
46. A Theoretical Model of Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 29, 368 (1984) R. Jones
47. Recent Work on Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 29, 751 (1984) R. Jones
48. RF Plasma Cooling, Bull. Am. Phys. Soc., 29, 752 (1984) R. Jones
49. Turbulent Thermal Insulation of a Magnetoplasma with Material End Plugs, Bull. Am. Phys. Soc., 29, 1346 (1984) R. Jones
50. A Magnetic Ash Extracter for Thermonuclear Reactors, Bull. Am. Phys. Soc., 29, 1216 (1984) R. Jones
51. An MHD Ram, Bull. Am. Phys. Soc., 30, 42 (1985) R. Jones
52. Magneto-electrostatic Confinement of Charged Particle Beams and in Astrophysics, Bull. Am. Phys. Soc., 30, 342 (1985) R. Jones
53. An Austere Microprocessor Controlled Plasma Device, Bull. Am. Phys. Soc., 30, 713 (1985) R. Jones
54. Surface Barrier Confinement of Hot Plasmas, Bull. Am. Phys. Soc., 30, 714 (1985) R. Jones
55. Magnetoreaction Plasma Confinement, Bull. Am. Phys. Soc., 30, 1390 (1985) R. Jones
56. Magneto-electrostatic Confinement Studies, Bull. Am. Phys. Soc., 30, 1631 (1985) R. Jones
57. The Economics of Plasma Chemical Processing, Bull. Am. Phys. Soc., 31, 37 (1986) R. Jones
58. Enhanced Confinement in Rotating Magnetoplasmas, Bull. Am. Phys. Soc., 31, 37 (1986) R. Jones

59. A Magnetically Guarded Nonperturbing Electrostatic Probe, Bull. Am. Phys. Soc., 31, 408 (1986) R. Jones
60. Confinement Augmentation by Plasma Gun Injection into Tokamaks, Bull. Am. Phys. Soc., 31, 870 (1986) R. Jones
61. Refueling of Magneto-electrostatic Fusion Reactors, Bull. Am. Phys. Soc., 31, 870 (1986) R. Jones
62. Plasma Hot Spots: Are they MHD Turbulent Spots?, Bull. Am. Phys. Soc., 31, 1434 (1986) R. Jones
63. Plasma Confinement Augmentation by EXB Drifts, Bull. Am. Phys. Soc., 31, 1629 (1986) R. Jones
64. A Plasma Confinement Augmenter, Bull. Am. Phys. Soc., 32, 65 (1987) R. Jones
65. Compression of a Compact Toroidal Plasma, Bull. Am. Phys. Soc., 32, 1099 (1987) R. Jones
66. Attainment of the Lawson Conditions in the Core of RSX-III, Bull. Am. Phys. Soc., 32, 1097 (1987) R. Jones
67. Fusion Boundary Conditions, Bull. Am. Phys. Soc., 32, 1954 (1987) R. Jones
68. Advanced Floating Ring Devices, Bull. Am. Phys. Soc., 32, 1764 (1987) R. Jones
69. Turbulence and the Tormac Sheath, Bull. Am. Phys. Soc., 33, 41 (1988) R. Jones
70. Low Pressure Plasmas Confined by Grids, Bull. Am. Phys. Soc., 33, 41 (1988) R. Jones
71. Centrifugal Confinement Augmentation in Multispecies Plasmas, Bull. Am. Phys. Soc., 33, 484 (1988) R. Jones
72. Plasma Potential Energy, Bull. Am. Phys. Soc., 33, 485 (1988) R. Jones

73. Magneto-electrostatic Confinement in Tokamaks, Bull. Am. Phys. Soc., 33, 1045, 1086 (1988) R. Jones
74. A Fusion Research Reactor, Bull. Am. Phys. Soc., 33, 1045, 1086 (1988) R. Jones
75. A Theory of Magneto-electrostatic Confinement, 120 Ann. Mtg. Kan. Acad. Sci., U. of Kan., Lawrence, April 8, 1988, R. Jones
76. Magneto-electrostatic Thermal Insulation, Bull. Am. Phys. Soc., 33, 213 (1988) R. Jones
77. Plasma Current Drawn to Magnetically Guarded Electrodes, Bull. Am. Phys. Soc., 33, 2070 (1988) R. Jones
78. Plasma Chemistry, Bull. Am. Phys. Soc., 34, 121 (1989) R. Jones
79. Virtual Electrodes for Fusion Plasmas, Bull. Am. Phys. Soc., 34, 121 (1989) R. Jones
80. The Inverse Penning Discharge Geometry, AOT-AAPT mtg. Wichita, 22 Oct. (1988) R. Jones
81. EXB Intense Plasma Ion Source, Bull. Am. Phys. Soc., 34, 881 (1989) R. Jones
82. Superthermal Space Charge Layers for Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 34, 875 (1989) R. Jones
83. Fusion Research at Emporia State University-Recent Results, Bull. Am. Phys. Soc., 34, 1158 (1989) R. Jones
84. Electrostatic Plugging of Low Density Plasma, Bull. Am. Phys. Soc., 34, 1157 (1989) R. Jones
^{and 1567}
85. Pressure Limits for Plasma Cathodes, 121 Ann. Mtg. Kan. Acad. Sci., Fort Hays State Univ., Hays, April 7, 1989, R. Jones
86. Fusion Research at Emporia State University-Recent Results, Bull. Am. Phys. Soc., 34, 2170 (1989) R. Jones

87. Plasmas Dominated by Anode Tufting, Bull. Am. Phys. Soc., 34, 2127 (1989) R. Jones
88. RF Power Penetration Into Tori, Bull. Am. Phys. Soc., 35, 38 (1990) and 37, 138 (1992) R. Jones
89. A Gas Discharge With A Plasma Cathode And Plasma Anode, Bull. Am. Phys. Soc., 35, 38 (1990) and 37, 100 (1992) R. Jones
90. Alternative Explanation for Tayler's Cold Fusion Notion, Bull. Am. Phys. Soc., 35, 371 (1990) R. Jones
91. RF Discharges In Magnetic Fields, Bull. Am. Phys. Soc., 35, 646 (1990) R. Jones
92. Flowing Plasma Thermal Barriers, Bull. Am. Phys. Soc., 35, 1051 (1990) R. Jones
93. Plasma Physics Applied to Electric Space Propulsion, Bull. Am. Phys. Soc., 35, 1051 (1990) R. Jones
94. Gas Discharge Experiments, Ann. Mtg. Kan. Acad. Sci., K. State Univ., Manhattan, March 30, 1990, R. Jones
95. The Confinement Augmentation Program (CAP) for Fusion Reactors, Bull. Am. Phys. Soc., 35, 2131 (1990) R. Jones
96. Thermal Barriers in Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 36, 1032 (1991) R. Jones
97. An Inexpensive Microwave Plasma Source, AOK-AAPT mtg, Norman, Oklahoma, 3 Nov. (1990) R. Jones
98. Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 36, 1032 (1991) R. Jones
99. A Model of Plasma Bridges, Bull. Am. Phys. Soc., 36, 1278 (1991) R. Jones
100. Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 36, 1278 (1991) R. Jones
101. Gas Loaded Walls and Enhanced Plasma Diffusion, Ann. Mtg. Kan. Acad. Sci., Bethany College, Lindsborg, April 12, 1991, R. Jones
102. Alternative Interpretations of Certain MEC Experiments, Bull. Am. Phys. Soc., 36, 2484 (1991) R. Jones
103. Plasma Confinement Studies, Bull. Am. Phys. Soc., 36, 2503 (1991) R. Jones

104. Spontaneous Magneto-electrostatic Confinement in Surmac Systems, Bull. Am. Phys. Soc., 37, 138 (1992) R. Jones
105. Anode Tufting, Plasma Bridges, and Anomalous Transport, Bull. Am. Phys. Soc., 37, 1002 (1992) R. Jones
106. Fusion Research at Emporia State Univ., Bull. Am. Phys. Soc., 37, 1474 (1992) R. Jones
107. The Electrostatic Limiter Discharge, Bull. Am. Phys. Soc., 37, 1529 (1992) R. Jones
108. My Religion, Bull. Am. Phys. Soc., 38, 769 (1993) R. Jones
109. Magnetically Guarded Electrode for Plasma Biasing, Bull. Am. Phys. Soc. 38, 528 (1993) R. Jones
110. New Plasma Devices, Bull. Am. Phys. Soc. 38, 992 (1993) R. Jones
111. A Gedanken Experiment, Bull. Am. Phys. Soc., 38, 947 (1993) R. Jones
112. An Aid to Creativity, Bull. Am. Phys. Soc., 38, 2124 (1993) R. Jones
113. Origin of the MEC Program, Bull. Am. Phys. Soc., 38, 1977 (1993) R. Jones
114. Charge Extraction Across A Magnetic Field for Magneto-electrostatic Confinement, Bull. Am. Phys. Soc., 39, 883 (1994) R. Jones
115. Confinement Limits in "electric Field Tori", Bull. Am. Phys. Soc., 39, 804 (1994) R. Jones
116. Comments on Chaos, Bull. Am. Phys. Soc., 39, 1204 (1994) R. Jones
117. The Origin of the Laws of Nature, Bull. Am. Phys. Soc., 39, 1153 (1994) R. Jones
118. Plasma Confinement Augmentation, Bull. Am. Phys. Soc., 39, 1762 (1994) R. Jones
119. An Inexpensive Microwave Plasma Source, Bull. Am. Phys. Soc., 39, 1644 (1994) R. Jones
120. On Existence Proofs of Machine Intelligence, Bull. Am. Phys. Soc., 40, 411 (1995) R. Jones

121. Circuit Model of Negative Resistance in Langmuir Probe Characteristics, Bull. Am. Phys. Soc., 40, 649 (1995)
R. Jones
122. Fundamental Values, Bull. Am. Phys. Soc., 40, 1026 (1995)
R. Jones
123. Why Student Opinions of Instruction are Invalid, Bull. Am. Phys. Soc., 40, 968 (1995) R. Jones
124. Building a Microwave plasma/ion source from a Microwave Oven, Bull. Am. Phys. Soc., 40, 1697 (1995) R. Jones
125. Recent Results, Bull. Am. Phys. Soc., 40, 1356 (1995)
R. Jones
126. Marginalization and Enhanced Objectivity, Bull. Am. Phys. Soc., 41, 199 (1996) R. Jones
127. Machine Intelligence, Bull. Am. Phys. Soc., 41, 198 (1996)
R. Jones
128. Laws of Nature are not Unique, Bull. Am. Phys. Soc., 41
1015 (1996) R. Jones
129. Machines are Intelligent, but People aren't, Bull. Am. Phys. Soc., 41, 1015 (1996) R. Jones
130. Destruction of Surface Layer Magnetic Confinement, Ann. Mtg. Kan. Acad. Sci., Emporia State U., Emporia, March 1996, R. Jones
131. An Alternative Interpretation of Certain Linear MEC Experiments, Bull. Am. Phys. Soc., 41, 1411 (1996) R. Jones
132. Recent Results, Bull. Am. Phys. Soc., 41, 1614 (1996)
R. Jones
133. Recent Results, Bull. Am. Phys. Soc., 42, 161 (1997)
R. Jones
134. A Popular Demonstration of the Lorentz Force, AOK-AAPT mtg, Tulsa, Oklahoma, 6 Nov. (1999) R. Jones
135. Some Theories of Consciousness, Ann. Mtg. Kan. Acad. Sci., Hutchinson Community College, Hutchinson, April 2000, R. Jones

136. Scientific Approaches to Free Will, Ann. Mtg. Kan. Acad. Sci., Fort Hays State Univ., Fort Hays, April 2002, R. Jones
137. The Objective Science of the Future, Ann. Mtg. Kan. Acad. Sci., Pittsburg State Univ., Pittsburg, April 2003, R. Jones
138. Bohr's Principle of Complementarity and Beyond, Bull. Am. Phys. Soc. 49, #4, April (2004) R. Jones
139. Chaining Case-Based Reasoners, Ann. Mtg. Kan. Acad. Sci, Kansas City, April 2004, R. Jones
140. Computing Beyond Algorithms, Ann. Mtg. Kan. Acad. Sci., Kansas City, April 2005, R. Jones
141. Theories of Value Change, Ann. Mtg. Kan. Acad. Sci., Wichita State Univ., Wichita, April 2006, R. Jones
142. Integrating Feature Discovery Algorithms into Asa Software Agents, Ann. Mtg. Kan. Acad. Sci., Salina, April 2007, R. Jones
143. Two Theories Are Better Than One, Bull. Am. Phys. Soc. 53, #3, March (2008) R. Jones
144. Is There A Mechanics of Mind?, Bull. Am. Phys. Soc. 53, #4, April (2008) R. Jones
145. Interleaving Spatial and Temporal Clustering in Asa H Software, Ann. Mtg. Kan. Acad. Sci., Emporia, March 2008, R. Jones
146. Changing What Science Is and How It's Done, Bull. Am. Phys. Soc., 54, #3, March (2009) R. Jones
147. Computing Beyond the Church-Turing Limit, Bull. Am. Phys. Soc., 54, #4, April (2009) R. Jones
148. Experiments with Asa H, Ann. Mtg. Kan. Acad. Sci., Washburn, March 2009, R. Jones
149. Alternate Realities, Bull. Am. Phys. Soc., 55, #2, Feb. (2010) R. Jones
150. Theories of Causality, Bull. Am. Phys. Soc., 55, #3, March (2010) R. Jones
151. Further Experiments with Asa H, Ann. Mtg. Kan. Acad. Sci., Fort Hays State Univ., April, 2010, R. Jones
152. Beta >1 Penning Discharge Fusion Device, Bull. Am. Phys. Soc., 56, #11, Nov. (2010) R. Jones

Internet Posts:
(Electronic Publications)

1. Augmenting the confinement of Tokamaks and other fusion devices, Sci.physics.fusion, 24 Apr 1996, R. Jones
2. Cold fusion catalyzed by magnetic monopoles?, Sci.physics.fusion, 21 May 1996, R. Jones
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7. Pretrained neural networks, Comp.ai.neural-nets, 23 May 1996, R. Jones
8. Reply to comments on magnetic monopole fusion, Sci.physics.fusion, 24 May 1996, R. Jones
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14. Patriot missile in the gulf war, Soc.history.war.misc, 16 July 1996, R. Jones
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23. Ecumenical AI, Comp.ai, 9 Aug. 1996, R. Jones
24. An Intelligent Plasma/Ion Source Controller, parts I, II, and III, Comp.ai, 14 Aug. 1996, R. Jones
25. Neural network discovery system, Comp.ai.neural nets, Comp.ai, and Sci.cognitive, 21 Aug. 1996, R. Jones
26. The laws of nature are variable, Sci.research, 6 Sept. 1996, R. Jones
27. Experimental disproof of postmodernism, Sci.philosophy.meta, 6 Sept. 1996, R. Jones
28. Electronic publication is TOO rapid, Comp.ai, Sci.research, Sci.physics.fusion, 18 Sept. 1996, R. Jones

29. Should AIs have NLU?, Comp.ai.nat-lang, 8 Oct. 1996,
R. Jones
30. Another Creativity Machine, Sci.cognitive, 1 Nov. 1996,
R. Jones
31. On energy and momentum conservation in GR, Sci.physics.
relativity, 11 Dec. 1996, R. Jones
32. Multiple Intelligences, Sci.cognitive, 13 Dec. 1996,
R. Jones
33. Consciousness, Sci.cognitive, Comp.ai, and Comp.ai.
neural-nets, 8 Jan. 1997, R. Jones
34. Emotional Computers, Comp.ai and Sci.cognitive, 14 Jan.
1997, R. Jones
35. ANNs + Grandmother Neurons, Comp.ai.neural-nets, 5 Feb.
1997, R. Jones
36. Searle's Chinese Room, Comp.ai.philosophy, 28 March 1997,
R. Jones
37. Life is Machinery, Sci.bio.misc, 17 ^F April 1997, R. Jones
38. What People Can't Do, Comp.ai, 21 May 1997, R. Jones
39. An Argument in Favor of Platonism, Comp.ai.philosophy and
Sci.philosophy.meta., 2 June 1997, R. Jones
40. A Neural Network that is Programmable but which has
Permanently Fixed Weights, Comp.ai.neural-nets, 3 June
1997, R. Jones
41. Tree of Expert Systems?, Comp.ai, 1 July 1997, R. Jones
42. Machine Creativity Experiments, Comp.ai, 8 July 1997,
R. Jones
43. More Machine Creativity Experiments, Comp.ai, 24 July
1997, R. Jones
44. Postmodernism is a crackpot idea, Alt.postmodern, 14
Aug. 1997, R. Jones

45. Conscious Computers, Comp.ai, 15 Sept. 1997, R. Jones
46. Modular ANN Experiments, Comp.ai, 11 Oct. 1997, R. Jones
47. Improving the safety of Mars direct, Sci.space.tech, 14 Oct. 1997, R. Jones
48. A semantic network creativity machine, Comp.ai, 18 Oct. 1997, R. Jones.
49. Is consciousness a result of feedback?, Comp.ai, 8 Nov. 1997, R. Jones
50. Consciousness and the "I frame", Comp.ai, 20 Nov. 1997, R. Jones
51. What is mathematics, really?, Sci.math, 8 Dec. 1997, R. Jones
52. Thoughts on free will, Comp.ai.philosophy, 10 Dec. 1997, R. Jones
53. Ant hills, distributed AI, and the game of life, Comp.ai, 17 Dec. 1997, R. Jones
54. Minimum hardware AI, Comp.ai, 22 Dec. 1997, R. Jones
55. Translational invariance as extrapolation, Comp.ai.neural-nets, 12 Jan. 1998, R. Jones
56. Linguistic intelligence may be inferior to general intelligence, Sci.cognitive, 25 Feb. 1998, R. Jones
57. The automated discovery of fusion plasma confinement modes, Comp.ai, Sci.physics.fusion, Sci.comp-aided, 27 March 1998, R. Jones
58. What machine intelligence exists today and what we're looking for in the future, Comp.ai, 22 April 1998, R. Jones
59. Catagorization hierarchy for memory based reasoning, Comp.ai, 4 May 1998, R. Jones
60. The state of ecumenical AI, Comp.ai, 8 May 1998, R. Jones
61. A creativity machine based on a form of automated analogy, Comp.ai, 28 May 1998, R. Jones

62. Space Drive, Sci.space.science, 18 June 1998, R. Jones
63. Multiple Logics AI, Comp.ai, 28 July 1998, R. Jones
64. Instability in affective computing, Comp.ai, 18 Aug. 1998, R. Jones
65. Finding weights for case retrieval in CBR, Comp.ai, 2 Sept. 1998, R. Jones
66. Launch costs exaggerated?, Sci.space.tech, 15 Sept. 1998, R. Jones
67. Conscious Computers, Comp.ai, 29 Sept. 1998, R. Jones
68. Tree structured case-based reasoners, Comp.ai, 30 Sept. 1998, R. Jones
69. Latent semantic analysis as a discovery machine, Comp.ai, 11 Oct. 1998, R. Jones
70. A fully automated natural language case-based reasoner employing latent semantic analysis, Comp.ai, 12 Oct. 1998, R. Jones
71. Rail Gun Design, <http://www.sasked.gov.sk.ca/cgi-bin/wwwboard/wwwboardsci.pl>, 29 Oct. 1998, R. Jones
72. A creativity machine using the agent network architecture, Comp.ai, 17 Nov. 1998, R. Jones
73. Weight decay for modular decomposition, Comp.ai.neural-nets, 28 Dec. 1998, R. Jones
74. Vectorial analogy algorithm, Comp.ai, 2 Feb. 1999, R. Jones
75. Vectorial case adaption algorithm for CBR, Comp.ai, 8 Feb. 1999, R. Jones
76. Controlled Thermonuclear Research: Mission Accomplished, Sci.physics.fusion, 17 Feb. 1999, R. Jones
77. More on modular ANNs, comp.ai.neural-nets, 19 Feb. 1999, R. Jones
78. Nanoscale artificial intelligence is the enabling technology for space exploration, Sci.space.tech, 15 March 1999, R. Jones

79. A CBR-production system hybrid, comp.ai, 15 March 1999, R. Jones
80. Will carbon based life be able to compete with nanoscale animats? bionet.general, 24 March 1999, R. Jones
81. Capitalist economics is NOT optimally efficient, sci.econ, 29 March 1999, R. Jones
82. A hybrid of blackboard and agent network architectures, comp.ai, 30 March 1999, R. Jones
83. The empirical and approximate character of the laws of nature, sci.misc, 6 April 1999, R. Jones
84. In defense of general intelligence, sci.cognitive, 9 April 1999, R. Jones
85. why is there evil in the world, talk.religion.misc, 11 April 1999, R. Jones
86. purely reactive intelligences, comp.ai, 14 April 1999, R. Jones
87. Is apparent free will a consequence of multiple intelligences? comp.ai.philosophy, 22 April 1999, R. Jones
88. Giving a computer program free will, comp.ai.philosophy, 26 April 1999, R. Jones
89. Discovery by Markov chain learning, sci.cognitive, 14 May 1999, R. Jones
90. fopl is approximate, sci.logic, 11 June 1999, R. Jones
91. Learning consciousness, comp.ai.philosophy, 6 July 1999, R. Jones
92. Free will, quantum computing, and time, comp.ai.philosophy, 13 Aug. 1999, R. Jones
93. Computational immortality, comp.ai.philosophy, 19 Aug. 1999, R. Jones
94. Reply to: Anthropic principle and probability, sci.logic, 25 Aug. 1999, R. Jones
95. A CBR technology unsupervised learning algorithm, comp.ai, 17 Sept. 1999, R. Jones

96. Grade distributions, misc.education, 11 Oct. 1999, R. Jones
97. Criticism of UNDERSTANDING INTELLIGENCE, sci.cognitive, 19 Oct. 1999, R. Jones
98. A Fractal Architecture, alt.computer, 30 Oct. 1999, R. Jones and comp.ai, 30 Oct. 1999, R. Jones
99. (some) theories of consciousness, sci.cognitive, 2 Nov. 1999, R. Jones
100. scientific pantheism: is evolution god?, alt.lifestyle.all-faiths, 28 Dec. 1999, R. Jones
101. reply to-Why mathematics fits the universe so well, sci.logic, 7 Jan. 2000, R. Jones
102. Experimental Philosophy, humanities.philosophy.objectivism, 1 Feb. 2000, R. Jones
103. Reply to comments on Experimental Philosophy, humanities.philosophy.objectivism, 2 Feb. 2000, R. Jones
104. Communication between cognitive levels, sci.cognitive, 14 Feb. 2000, R. Jones
105. Is a personal god possible in pantheism?, alt.atheism, 14 Feb. 2000, R. Jones
106. A hierarchical classifier system, comp.ai, 8 March 2000, R. Jones
107. purpose in science, talk.atheism, 13 March 2000, R. Jones
108. Is consciousness a higher-order logic? sci.cognitive, 23 March 2000, R. Jones
109. selfish genes and AI agents, sci.cognitive, 15 May 2000, R. Jones
110. Top-down decompositions of intelligence, sci.cognitive, 22 May 2000, R. Jones
111. Is OOP a mistake?, comp.lang.C++, 26 May 2000, R. Jones
112. AI in UML, comp.ai, 16 Aug. 2000, R. Jones

↑
and comp.object,
22 Feb. 2001

113. Does general relativity permit violations of the second law of thermodynamics?, sci.physics.relativity, 18 Aug. 2000, R. Jones
114. Experiments with cascaded recurrent autoassociative networks, comp.ai.neural-nets, 24 Sept. 2000, R. Jones
115. On general intelligence, sci.cognitive, 30 Oct. 2000, R. Jones
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117. Predators as constraints for CAS?, comp.ai.genetic, 6 Dec. 2000, R. Jones
118. A review of Neural Networks and Intellect, amazon.com, 11 Dec. 2000, R. Jones
119. A review of Understanding Intelligence, amazon.com, 12 Dec. 2000, R. Jones
120. A reply to Proofs of God, alt.atheism, 13 Dec. 2000, R. Jones
121. Feedback ANN outputs to adjust weights?, comp.ai.neural-nets, 15 Dec. 2000, R. Jones
122. variable time step preprocessing, comp.ai.neural-nets, 3 Jan. 2001, R. Jones
123. Would immortality just be memory?, sci.cognitive, 8 Jan. 2001, R. Jones
124. Evidence of content-addressable human memory, sci.cognitive, 9 Jan. 2001, R. Jones
125. Experiments as an oracle?, aus.computers, 11 Jan. 2001, R. Jones
126. retraining cascade correlation ANNs?, comp.ai.neural-nets, 6 Feb. 2001, R. Jones
127. (some) scientific approaches to free will, sci.cognitive, 6 Feb. 2001, R. Jones
128. true/false, good/bad, and similarity logic, sci.logic, 16 Feb. 2001, R. Jones

129. A review of Russell and Norvig's AI: A Modern Approach, amazon.com, 16 Feb. 2001, R. Jones
130. Large dimension feature maps, comp.ai.neural-nets, 27 March 2001, R. Jones
131. space drives, sci.physics.relativity, 2 April 2001, R. Jones
132. Isn't CAPITALISM contrary to human nature?, sci.econ, 13 April 2001, R. Jones
133. motivation/goal acquisition, comp.ai, 26 April 2001, R. Jones
134. a goal acquisition module, comp.ai.neural-nets, 26 April 2001, R. Jones
135. case sequences to speed CBR, comp.ai, 1 May 2001, R. Jones
136. A review of Dynamic Memory Revisited, amazon.com, 2 May 2001, R. Jones
137. A review of Hartford's biography of Korolyev, amazon.com, 9 May 2001, R. Jones
138. Re: case sequences to speed CBR, comp.ai, 11 May 2001, R. Jones
139. Experiments with neural network ensembles, comp.ai.neural-nets, 21 May 2001, R. Jones
140. The wrong space program, sci.space.station, 15 June 2001, R. Jones
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142. Occam's razor as a learning bias, sci.philosophy, 11 July 2001, R. Jones
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146. ANN from clustering + learn matrix?, comp.ai.neural-nets, 3 Nov. 2001, R. Jones
147. Two time scale reinforcement?, sci.cognitive, 5 Nov. 2001, R. Jones
148. approximate frame matching, comp.ai, 1 Dec. 2001, R. Jones
149. fuzzy CBR similarity metrics, comp.ai, 1 Dec. 2001, R. Jones
150. New evidence for pantheism, alt.lifestyle.all-faiths, 1 Jan. 2002, R. Jones
151. Does IQ really increase over time?, sci.psychology.theory, 1 Feb. 2002, R. Jones
152. experiment pruning ANN inputs, comp.ai.neural-nets, 18 March 2002, R. Jones
153. A review of The Fabric of Reality, amazon.com, 26 July 2002, R. Jones
154. Are we living in the MATRIX?, comp.ai.philosophy, 6 Aug. 2002, R. Jones
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158. A scientific approach to values, sci.philosophy.meta, 25 Sept. 2002, R. Jones
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160. an antiplatonist view, sci.math, 21 Oct. 2002, R. Jones
161. The objective science of the future, sci.philosophy.tech, 25 Nov. 2002, R. Jones
162. Creativity/discovery is a flowthrough process, sci. cognitive, 9 Jan. 2003, R. Jones

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R. Jones
164. Why consciousness is needed for intelligent systems, sci.cognitive, 15 March 2003, R. Jones
165. An Autonomous Software Agent (parts 1 and 2) sci.cognitive, 17 March 2003 (part 3) 18 March 2003, R. Jones
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184. How Meaning Works in an AI, comp.ai. philosophy, 6 July 2006, R. Jones
185. Utility is a vector, sci.econ. research, 11 July 2006, R. Jones
186. Repliesto comments on Utility is a Vector,
sci.econ.research, 17 July 2006, R. Jones
sci.econ.research, 21 July 2006, R. Jones
sci.econ.research, 14 Aug. 2006, R. Jones
sci.econ.research, 16 Aug. 2006, R. Jones
sci.econ.research, 4 Sept. 2006, R. Jones
187. Integrating feature discovery into Asa software agents, sci. cognitive, 25 Aug. 2006, R. Jones
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191. A Review of Minsky's THE EMOTION MACHINE, amazon.com, 5 Nov. 2006, R. Jones
192. A Review of AI4U, amazon.com, 30 Nov. 2006, R. Jones
193. A Review of How Brains Think, amazon.com, 1 Dec. 2006, R. Jones
194. A Review of the Cerebral Code, amazon.com, 3 Dec. 2006, R. Jones
195. The Nature of Causality, en.wikipedia.org/wiki/causality_(physics), discussion, 6 Dec. 2006, R. Jones

196. Problems in the Education System, amazon.com, 14 Dec. 2006, R. Jones
197. Reviewing What is Thought, amazon.com, 23 Dec. 2006, R. Jones
198. A Review of the Many and the One, amazon.com, 9 Jan. 2007, R. Jones
199. Review of A World of Contradictions, amazon.com, 9 Jan. 2007, R. Jones
200. Biologically inspired utility decomposition/credit assignment heuristics, comp.ai., 19 Jan. 2007, R. Jones
201. The relationship between life and intelligence, com.ai. philosophy, 9 March 2007, R. Jones
202. With vector utility is one less likely to get stuck in local maxima?, comp.ai, 15 March 2007, R. Jones and reply to comments, 21 March 2007
203. Must every AI have an inviolate level?, comp.ai, 24 March 2007, R. Jones and reply to comments
204. Religion is just a theory, amazon.com, 27 March 2007, R. Jones
205. What is the right curriculum for a machine learner?, comp.ai., 14 April 2007, R. Jones
206. Two theories are better than one, sci.research, 7 May 2007, R. Jones
207. Axiomatic Artificial Intelligence Theories, amazon.com, 24 May 2007, R. Jones
208. The processing steps of thought, comp.ai. philosophy, 31 May 2007, R. Jones
209. More than just metaphor?, amazon.com, 6 Sept. 2007, R. Jones
210. How much of our thinking occurs outside of our heads?, amazon.com, 26 Sept. 2007, R. Jones
211. Capitalism is Wrong, amazon.com, 4 Nov. 2007, R. Jones
212. A formal specification of AI, comp.ai., 9 Nov. and 10 Nov. 2007, R. Jones
213. Why programs can't be assembled like Legos, comp.programming, 16 Nov. 2007, R. Jones
214. A review of "Dreaming in Code," amazon.com, 20 Nov. 2007, R. Jones
215. Is Fitness a Vector?, amazon.com 12 Dec. 2007, R. Jones

216. Money distorts values, sci.econ.research, 3 Jan. 2008, R. Jones
217. Changing what science is and how it's done, sci.research, 4 Jan. 2008, R. Jones
218. Value pluralism and its consequences for politics, amazon.com 4 Jan. 2008, R. Jones
219. Fitness, intelligence, and neural network training, com.ai. neural-nets, 21 Feb. 2008, R. Jones
220. Review of The Devil's Delusion, amazon.com, 7 April 2008, R. Jones
221. Capitalism is Wrong, amazon.com, 12 May 2008, R. Jones
222. Schools should not be run as businesses, amazon.com, 2 June 2008, R. Jones
223. Does Intelligence Require A Body?, amazon.com, 22 June 2008, R. Jones
224. Computing Beyond Church's Thesis, comp.ai, 26 Aug. 2008, R. Jones
225. Does Time Exist?, amazon.com, 28 Aug. 2008, R. Jones
226. "Goodness" is a Vector, amazon.com, 25 Sept. 2008, R. Jones
227. Is truth a vector?, amazon.com, 25 Sept. 2008, R. Jones
228. Capitalism is Wrong, socialist economics (moderated) google groups, 6 Jan. 2009, R. Jones
229. Money Must be a Vector, amazon.com, 6 Jan. 2009, R. Jones
230. Artificial Intelligences Exist Today, www.vetta.org, 10 Feb. 2009, and amazon.com 9 Feb. 2009, R. Jones
231. Review of the Rhetoric of Science, amazon.com, 19 Feb. 2009, R. Jones
232. Machines Better than Human, amazon.com, 20 Feb. 2009, R. Jones
233. A Hard Problem?, amazon.com, 9 April 2009, R. Jones
234. Alternate Realities, sci.cognitive, 28 May 2009, R. Jones
235. Discussion: Is memory-based reasoning more powerful than Turing Machine?, comp. theory, thread begins 4 June 2009, R. Jones
236. Workers councils not bosses, amazon.com, 18 June 2009, R. Jones

237. How dualism might work, sci.philosophy.meta, 26 June 2009, R. Jones
238. Commercial launch of cargo but not crew, sci.space.station, 14 Aug. 2009, R. Jones
239. Near term prospects for fully commercial space flight are not good, sci.space.station, 1 Oct. 2009, R. Jones
240. Building the world's first rational mind, amazon.com, 2 Oct. 2009, R. Jones
241. Mechanical Life, amazon.com, 2 Oct. 2009, R. Jones
242. Le Sage gravity theory would exhibit a Doppler effect, amazon.com, 23 Nov. 2009, R. Jones
243. Confusion: origin of the supernatural, amazon.com, 24 Nov. 2009, R. Jones
244. Quantum Mechanics as Dualism, amazon.com, 3 Jan. 2010, R. Jones