



# Contents

|   |  |               |
|---|--|---------------|
|   | <i>Preface and acknowledgements</i>  | <i>page</i> x |
|   | <i>Introduction: the golem</i>   | i             |
| 1 | <b>Edible knowledge: the chemical transfer of memory</b>   | 5             |
| 2 | <b>Two experiments that ‘proved’ the theory of relativity</b>                                      | 27            |
| 3 | <b>The sun in a test tube: the story of cold fusion</b>  | 57            |
| 4 | <b>The germs of dissent: Louis Pasteur and the origins of life</b>                                 | 79            |
| 5 | <b>A new window on the universe: the non-detection of gravitational radiation</b>                  | 91            |
| 6 | <b>The sex life of the whiptail lizard</b>   | 109           |
| 7 | <b>Set the controls for the heart of the sun: the strange story of the missing solar neutrinos</b> | 121           |
|   | <i>Conclusion: putting the golem to work</i>   | 141           |
|   | <i>References and further reading</i>  | 153           |
|   | <i>Index</i>   | 157           |