## Library Issues for Consideration at the LFCS Research Committee Meeting 17/11/99

1. We are invited to identify items which might be suitable for the Division to make a bid for the *Cummings bequest.* This grant, available annually, is to purchase single items over £200, to support research, which it would not be possible to buy otherwise.

2. Library funds from Faculty are now assigned to the Division as a whole. This year there was no increase in these funds despite the fact that journal subscriptions went up by 10%. This means that journal subscriptions now represent 90% of our budget and the trend of increasing prices looks set to continue[1]. Consequently we have been asked to consider which subscriptions, if any, we could do without. In particular

   - Journal of Symbolic Computationq
   - Journal of Automated Reasoning

   are taken both in JCML and AISB. Would we be prepared to let the JCML subscriptions lapse?

   A complete list of current subscriptions can be found at
   `http://www.informatics.ed.ac.uk/admin/committees/library/journals.html`
   In this list each journal is given an attribution as "GENERAL" or attributed to one of the institutes. As the first step towards identifying potential cost-savings, it is the library committee's intention to calculate a subscription cost/size ratio for each institute. LFCS should not suffer too badly in this calculation. Nevertheless we may wish to consider if there are any subscriptions which we feel are wrongly assigned to LFCS as well as considering whether there are any we are prepared to cancel.

3. At least one of the duplicated journals above is available electronically. The librarians are asking for our general feeling about electronic subscriptions. Currently we have several electronic subscriptions available in addition to paper subscriptions, e.g. the ACM Digital Libary. However, maintaining both is becoming increasingly expensive, and in some cases (see (4) below) we are likely to only be available to afford one. Would we be happy to see print subscriptions disappear to be replaced by electronic access only? One of the librarians' worries about this is that the cost of the electronic subscription may rise in the future beyond our capacity to pay for it. Although we could then switch back to paper subscriptions we would be left without an archive for the duration of the electronic subscription.

4. We have an opportunity to purchase an electronic subscription to the IEEE/IEE publications (this includes proceedings as well as journals). The University's total paper subscription costs are currently approximately £20 000. The electronic subscription will be £38 000. (see mail from Jenny Flemington, attached). During the trial period the response has been extremely enthusiastic. However there is a shortfall that clearly needs to be met if the electronic subscription can go ahead,

[1] MRJ disagrees with this stance but it is the librarians' prediction.

and not just for this year but for years to come. The SLI Institute has already offered some cash. Are we interested in pushing for the full electronic subscription? Alternatively, what about the electronic supplement mentioned at the end of Jenny Flemington's mail.

5. Finally, we have been asked to ratify the planned arrangements for SELLIC. These are essentially the same arrangements as JCML:

   **Current journal issue loan periods:** no loan, kept on display shelves

   **Non-current journal loan periods:** 2 weeks for all bound and unbound issues, unless specific titles are marked as *no loan*. Some monograph-type titles would retain their 6-week loan periods but be moved into the book sequence. Fining to be enforced (apparently it is not at the moment).

   **Book loans:** all borrowing of books and fining for late return will be as currently operated in JCML.

   **Thesis loans:** academic/research staff can borrow theses but all other users may only consult them in the library.

   **Reserve collection:** All reserve collections will be merged (JCML, Robertson, Chemistry, Geol/Geophysics) and arranged by classification number.

To: Peter Grant, Iain Lindsay, Alan Bundy, Chris Mellish, Colin Matheson, Jane Hillston, Sian Williams, Steve Beaumont
cc: Ian Mowat, Sheila Cannell

Re: IEEE \ IEE Electronic Library

Colleagues,

We have been given a two-week grace period (until 30th November) to decide whether or not to proceed with the IEL offer from Technical Indexes.

Financial summary of offer:
Year 2000 £38,000
Year 2001 £40,700
Year 2002 - a 7% price increase on the 2001 price is likely (£43,600)
All prices include VAT, and are for a 15 simultaneous user license.
If we cancel at the end of 2000 and return to a print subscription we would need to purchase an archive on CDROM or DVD for year 2000 publications at a cost of £2,000
If we cancel at the end of 2001 and return to a print subscription we would need to purchase an archive for year 2000 plus year 2001 publications at a cost of £2,000 plus around £4,000

Funding:
£20,000 is available from the cancellation of the print subscription

Comments:
We now urgently need your comments on the following:
1. Are you prepared to provide some funding for 2001 and 2002 given the price increases indicated above? If so, could you please indicate approximately how much?
2. Are you and your colleagues and students happy for all IEEE and IEE print subscriptions - representing a substantial part of the Robertson Library's journal collection - to disappear at the end of December 1999?
3. Do you think that it would be worth taking out a subscription for 2000 knowing that it is possible that the service may need to be cancelled at the end of 2000 or end of 2001?
4. In the event of cancellation we would need to purchase archives for the missing years of the print subscription. Would you be prepared to provide funding given the prices indicated above? If so, how much?

Could you send comments on the above by 5.00pm on Thursday 18th November to Jenny Flemington (J.Flemington@ed.ac.uk, ext: 506474) and Richard Battersby (R.Battersby@ed.ac.uk, ext: 505204).

Finally, I should notify you that it seems that the IEEE will be introducing an All-Society Periodicals Package Online in January 2000. This will provide Internet access to their core collection of journals and magazines from 1998 onwards, at what looks to be a cost of approx £4,000 on top of the print subscription. Could you let me know if this would be of interest?

We look forward to hearing from you.

Richard Battersby (Science Librarian)
Jenny Flemington (Engineering & Informatics Librarian)

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Division of Informatics

# Informatics Journal Subscriptions, April 1999

The following table shows the current subscriptions to journals in the University Library that Informatics is responsible for. For each journal is shown:

- The title
- The approximate annual price
- The current location of the journal (JCML - JCM Library, ML - Main Library, SB - AI Library at South Bridge, FH - AI Library at Forrest Hill)
- The way the journal is currently paid for (see below)
- A guess at the Institute for whom the journal is most relevant (with GEN indicating an item of general interest)

The main way that journal subscriptions are paid for is from our allocation of money from the University Library (EUL below). In addition, the Informatics Library Committee has some funds to pay for journal subscriptions (INFO below). These will generally be used for journals that we cannot buy from University Library funds (e.g. because they duplicate existing subscriptions). Finally, some journals are donated (DONATION) and some are paid for by research grants (GRANT).

The table below is sorted by Institute. Institutes are encouraged to consider the journals that we currently take in their area (they may be surprised!) and to ensure that we really are taking the best possible journals and not taking substandard ones (this changes over time). Institutes are also encouraged to finance some of the more expensive and specialised journals in their area from research grants, as has been done in some cases below. We cannot keep expanding our journal subscriptions indefinitely. The creation of the Division has opened up new opportunities, and proposals for new journal subscriptions are appearing. We can't afford many of these unless we can either prune some dead wood or find other sources of finance. This can only work if Institutes take an active interest in getting the best value from "their" journals. If times get hard, something like the following table may be used to determine whether a given Institute should actually get a new journal that they request.

Please send comments on the table below to Chris Mellish (c.mellish@ed) or another member of the Informatics Library Committee.. In particular, many of the guesses about relevant Institutes have been made on scanty evidence. Chris Mellish would be very interested to find out about journals that have been "assigned" to the wrong Institute here or in which no Institutes actually have an interest.

Proposals for new journals (and for cancellations) will have to be submitted to the Faculty Library Committee early in June, and the Informatics Library Committee will be prioritising these in its meeting at the end of May.

Date of last update: 1/11/99.

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|---|---|---|---|---|
| AI EDAM | 165 | SB | EUL | AIAI |
| Artificial Intelligence in Engineering | 306 | SB | EUL | AIAI |
| Artificial Intelligence in Medicine | 286 | SB | EUL | AIAI |
| Computer Aided Design | 325 | FH | EUL | AIAI |
| Decision Support Systems | 576 | SB | EUL | AIAI |
| Expert Systems with Applications | 856 | SB | EUL | AIAI |
| Expert Systems | 83 | SB | EUL | AIAI |
| IEEE Intelligent Systems | 273 | SB | EUL | AIAI |
| Intelligent Enterprise | 86 | SB | EUL | AIAI |
| International Journal of Expert Systems | 200 | SB | EUL | AIAI |
| Knowledge Engineering Review | 123 | SB | EUL | AIAI |
| Knowledge-Based Systems | 388 | SB | EUL | AIAI |
| New Review of Applied Expert Systems | 45 | SB | EUL | AIAI |
| ACM - Journal of the ACM | 150 | SB | EUL | GEN |
| ACM - Sigart Newsletter (now Bulletin) | 0 | SB | EUL | GEN |
| ACM packages | 1726 | JCML | EUL | GEN |
| AI & Society | 226 | SB | EUL | GEN |
| AI Communications | 142 | SB | EUL | GEN |
| AI Magazine | 62 | SB | INFO | GEN |
| AISB Quarterly Newsletter | 35 | SB | INFO | GEN |
| Acta Informatica | 638 | JCML | EUL | GEN |
| Airing | 0 | SB | DONATION | GEN |
| Annals of Mathematics & AI | 460 | SB | GRANT | GEN |
| Applied Artificial Intelligence | 341 | SB | EUL | GEN |
| Applied Intelligence | 306 | SB | EUL | GEN |
| Artificial Intelligence | 1292 | SB | EUL | GEN |
| Artificial Life | 126 | FH | EUL | GEN |
| B.I.T. | 155 | JCML | EUL | GEN |
| Behaviour and Information Science | 250 | ML | EUL | GEN |
| CSLLP (18 IEEE electronic journals) | ??? | JCML | EUL | GEN |
| Cognitive Science | 146 | ML | EUL | GEN |
| Cognitive Science | 161 | SB | EUL | GEN |
| Computational Intelligence | 150 | SB | EUL | GEN |
| Computers and the Humanities | 209 | JCML | EUL | GEN |
| Electronics & Wireless World | 32 | FH | EUL | GEN |
| IEEE Annals of the History of Computing | 183 | JCML | EUL | GEN |
| IFIP Congress series | 221 | JCML | EUL | GEN |
| Information Processing Letters | 847 | JCML | EUL | GEN |
| Information Systems | 755 | JCML | EUL | GEN |

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|---|---|---|---|---|
| Information and Computation | 670 | JCML | EUL | GEN |
| International Journal of Human-Computer Studies | 510 | SB | EUL | GEN |
| Journal of Experimental & Theoretical AI | 240 | SB | EUL | GEN |
| Machine Learning | 575 | SB | EUL | GEN |
| Minds and Machines | 264 | ML | EUL | GEN |
| Philosophical Psychology | 218 | ML | EUL | GEN |
| Springer Lecture Notes in Computer Science | 6222 | JCML | EUL | GEN |
| Trends in Cognitive Sciences | ??? | ML | EUL | GEN |
| Behavioral and Brain Sciences | 256 | SB | EUL | IANC |
| Behavioral and Brain Sciences | 257 | ML | EUL | IANC |
| Biological Cybernetics | 1208 | ML | EUL | IANC |
| Cognitive Development | ??? | ML | EUL | IANC |
| Cognitive Neuropsychology | 344 | ML | EUL | IANC |
| Complex Systems | 195 | SB | INFO | IANC |
| Connection Science | 286 | ML | EUL | IANC |
| Developmental Science | ??? | ML | EUL | IANC |
| Hippocampus | ??? | Erskine | EUL | IANC |
| International Journal of Neural Systems | 292 | SB | EUL | IANC |
| Journal of Cognitive Neuroscience | 176 | ML | EUL | IANC |
| Network Computation in Neural Systems | 151 | ML | EUL | IANC |
| Neural Computation | 210 | SB | EUL | IANC |
| Neural Computing & Applications | 235 | SB | EUL | IANC |
| Cognition and Instruction | 184 | ML | EUL | ICCS |
| Computational Linguistics | 92 | SB | EUL | ICCS |
| Computer Assisted Language Learning | 143 | SB | EUL | ICCS |
| Computer Speech and Language | 106 | SB | EUL | ICCS |
| Computers in Human Behavior | 350 | ML | EUL | ICCS |
| Consciousness and Cognition | 123 | ML | EUL | ICCS |
| Discourse Processes | 145 | ML | EUL | ICCS |
| Glot International | ??? | ML | EUL | ICCS |
| Human-Computer Interaction | 209 | JCML | EUL | ICCS |
| Human-Computer Interaction | 209 | ML | EUL | ICCS |
| Information Design Journal | 56 | ML | EUL | ICCS |
| Information Processing and Management | ??? | ML | EUL | ICCS |
| Instructional Science | 239 | SB | EUL | ICCS |
| Interactive Learning Environments | 110 | SB | EUL | ICCS |
| International Journal of AI in Education | 40 | SB | EUL | ICCS |
| International Journal of Education Research with Learning and Instruction | ??? | ML | EUL | ICCS |

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| International Journal of Human-Computer Interaction | 162 | ML | EUL | ICCS |
| Internet and Higher Education | 154 | JCML | EUL | ICCS |
| Journal of Logic Language and Information | 200 | ML | EUL | ICCS |
| Journal of Semantics | 90 | ML | EUL | ICCS |
| Journal of the Learning Sciences | 179 | ML | EUL | ICCS |
| Language and Cognitive Processes | 265 | SB | EUL | ICCS |
| Linguistic Review | 125 | ML | EUL | ICCS |
| Linguistic Typology | ??? | ML | EUL | ICCS |
| Machine Translation | 183 | SB | EUL | ICCS |
| Natural Language Engineering | 84 | SB | EUL | ICCS |
| Natural Language Semantics | 163 | ML | EUL | ICCS |
| Natural Language and Linguistic Theory | 239 | ML | EUL | ICCS |
| Pragmatics and Cognition | 89 | ML | EUL | ICCS |
| Small Group Research | ??? | ML | EUL | ICCS |
| Syntax | ??? | ML | EUL | ICCS |
| Thinking and Cognition | 88 | ML | EUL | ICCS |
| User Modelling & User Adapted Interaction | 194 | SB | EUL | ICCS |
| Working Papers in Scandinavian Syntax | ??? | ML | EUL | ICCS |
| Yearbook of Morphology | 64 | ML | EUL | ICCS |
| Cluster computing | 170 | JCML | EUL | ICSA |
| Computer Design | 127 | JCML | EUL | ICSA |
| Computer Networks and ISDN Systems | 840 | JCML | EUL | ICSA |
| Concurrency: Practice and Experience | 1080 | JCML | EUL | ICSA |
| Distributed Computing | 146 | JCML | EUL | ICSA |
| Future Generation Computer Systems | 388 | JCML | EUL | ICSA |
| IBM Systems Journal | 52 | JCML | EUL | ICSA |
| IEEE International Conference on Parallel Processing | 132 | JCML | EUL | ICSA |
| Integration the VLSI Journal | 371 | JCML | EUL | ICSA |
| International Journal of Parallel Programming | 476 | JCML | EUL | ICSA |
| Journal of Computer and System Sciences | 447 | JCML | EUL | ICSA |
| Journal of Object-oriented Programming | 87 | JCML | EUL | ICSA |
| Journal of Parallel and Distributed Computing | 290 | JCML | EUL | ICSA |
| Journal of Supercomputing | 352 | JCML | EUL | ICSA |
| Object Magazine | 134 | JCML | EUL | ICSA |
| Parallel Computing | 863 | JCML | EUL | ICSA |
| Parallel Processing Letters | 206 | JCML | EUL | ICSA |
| Performance Evaluation | 774 | JCML | EUL | ICSA |
| Simulation Practice and Theory | 364 | JCML | EUL | ICSA |
| Software - Practice and Experience | 1146 | JCML | EUL | ICSA |

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| Theory of Computing Systems | 233 | JCML | EUL | ICSA |
| Adaptive Behaviour | 113 | ML | EUL | IPAB |
| Advanced Robotics | 315 | FH | EUL | IPAB |
| Artificial Life and Robotics | 130 | FH | INFO | IPAB |
| Autonomous Robots | ??? | FH | INFO | IPAB |
| Computer Vision and Image Understanding | 341 | JCML | EUL | IPAB |
| Evolutionary Computation | 147 | SB | EUL | IPAB |
| IEEE Trans. on Pattern Analysis & Machine Intel. | 481 | FH | EUL | IPAB |
| Image and Vision Computing | 557 | FH | GRANT | IPAB |
| Industrial Robot | 616 | FH | EUL | IPAB |
| International Journal of Computer Vision | 744 | FH | EUL | IPAB |
| International Journal of Robotics Research | 358 | FH | EUL | IPAB |
| Journal of Mathematical Imaging & Vision | 295 | FH | GRANT | IPAB |
| Journal of Robotic Systems | 966 | FH | EUL | IPAB |
| Machine Vision and Applications | 215 | FH | EUL | IPAB |
| Robotica | 210 | FH | INFO | IPAB |
| Robotics and Autonomous Systems | 690 | FH | EUL | IPAB |
| Robotics and Computer-Integrated Manufacturing | 208 | FH | EUL | IPAB |
| Automated Software Engineering | 257 | SB | EUL | IRR |
| Erkenntnis | 350 | ML | EUL | IRR |
| Formal Methods in System Design | 390 | SB | GRANT | IRR |
| History and Philosophy of Logic | 176 | ML | EUL | IRR |
| International Journal of Approximate Reasoning | 379 | ML | EUL | IRR |
| Journal of Applied Non-Classical Logics | 226 | ML | EUL | IRR |
| Journal of Automated Reasoning | 301 | SB | GRANT | IRR |
| Journal of Logic Programming | 559 | SB | EUL | IRR |
| Journal of Symbolic Computation | 267 | SB | EUL | IRR |
| Memory | 139 | ML | EUL | IRR |
| New Generation Computing | 220 | SB | EUL | IRR |
| Studia Logica | 295 | ML | EUL | IRR |
| Annals of Pure and Applied Logic | 1126 | JCML | EUL | LFCS |
| Combinatorica | 201 | JCML | EUL | LFCS |
| Discrete Applied Mathematics | 1420 | JCML | EUL | LFCS |
| EATCS monographs on theoretical computer science | 96 | JCML | EUL | LFCS |
| Formal Aspects of Computing | 288 | JCML | EUL | LFCS |
| IEEE Symposia on Foundations of Computer Science | 134 | JCML | EUL | LFCS |
| IEEE Symposium on Logic in Computer Science | 131 | JCML | EUL | LFCS |
| International Journal of Foundations of Computer Science | 267 | JCML | EUL | LFCS |

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| Journal of Algorithms | 214 | JCML | EUL | LFCS |
| Journal of Automated Reasoning | 362 | JCML | EUL | LFCS |
| Journal of Combinatorial Theory Series A | 494 | JCML | EUL | LFCS |
| Journal of Complexity | 134 | JCML | EUL | LFCS |
| Journal of Functional programming | 140 | JCML | EUL | LFCS |
| Journal of Logic and Computation | 287 | JCML | EUL | LFCS |
| Journal of Symbolic Computation | 299 | JCML | EUL | LFCS |
| Journal of Symbolic Logic | 245 | JCML | INFO | LFCS |
| LISP and Symbolic Computation | 228 | JCML | EUL | LFCS |
| Mathematical Structures in Computer Science | 188 | JCML | EUL | LFCS |
| Mathematics of Computation | 124 | JCML | EUL (with Maths) | LFCS |
| SIAM Journal on Computing | 265 | JCML | EUL | LFCS |
| Theoretical Computer Science and Science of Computer Programming | 2890 | JCML | EUL | LFCS |