"Orca is a high-level programming language for the implementation of distributed applications. Although a number of small distributed problems have been solved successfully in Orca (e.g., TSP, Primes), the question remained how Orca would perform in a more complex environment, like the game of chess. Therefore, we have created a Chess Problem Solver to test the language and developed a parallel alpha-beta algorithm with a reasonable speedup (reduction in search time). Furthermore, we have implemented some chess heuristics and studied their behaviour in our program."

INFORMATION FOR CONTRIBUTORS

Contributors may be interested to know that the ICCA Journal, as of Vol. 10, No. 1, is a source for the Institute for Scientific Information® (ISI) for inclusion in the CompuMath Citation Index® (CMCI®), the Automatic Subject Citation Alert (ASCA®) and SCISEARCH®, ISI's on-line database. The Journal is also a source for the Information Company R.R. Bowker for inclusion in the International Serials Database which is a source for Ulrich's International Periodicals Directory and the DIALOG on-line service.

Being included in the CMCI®, the ICCA Journal is one of the 400 Journals in mathematics, computer science, statistics, operations research, and related disciplines which is abstracted and/or indexed and/or available as tearsheets; this means that the Journal now is accessible in (on-line) database form.

Submission of material

Contributions to the Journal are welcomed in any form, although preferably by E-mail or on a MS-DOS formatted 5.25 inch diskette. In case contributors prepare their manuscripts with high-quality wordprocessors, it should be noticed that text-files in VENTURA, TEX or TROFF format are processable directly by the Editors, thereby alleviating their task considerably.

DR. SHANNON WATCHING ONE OF HIS MANY BRAINCHILDs.
Two honored guests at the first Computer Olympiad: Claude Shannon (centre), Ken Thompson (right). (London, 1989)