TABLE OF CONTENTS

Table of Contents 213

Source of Inspiration (H J van den Herk) 213

Bob may be missed, but hardly forgotten! (T A Marsland) 214

6-Piece Endgames (K Thompson) 215

Multiple Probes of Transposition Tables (D F Beal and M C Smith) 227

Note 234

CHE A Graphical Language for Expressing Chess Knowledge (Chr Donninger) 234

Review 242

Proceedings of the Game Programming Workshop in Japan ’96 (Y Saito and H Iida) 242

Articles Published Elsewhere 246

B Probability Based Search (H J Berliner and Chr McConnell) 246

The Complexity of Searching Implicit Graphs (J L Balcazar) 247

Best-First Fixed-Depth Minimax Algorithms (A Plaat, J Schaeffer, W Pijs and A de Brum) 247

Information for Contributors 248

News, Information, Tournaments and Reports 249

The 14th World Microcomputer Chess Championship 249

Report on the 14th World Microcomputer Chess Championship (R Dewanti) 249

Results and Selected Games (D Djamal) 252

Recognition of Local Participation (T A Marsland) 259

The JUNIOR Chess Program and the 1996 World Microcomputer Chess Championship in Jakarta 261

(The Board of ICCA) 261

Experience is a Hard Teacher (T A Marsland) 263

JUNIOR among the Grandmasters (A Ban) 268

Report on the 16th Open Dutch Computer-Chess Championship (Th van der Storm) 272

Results of the 4th French Computer-Chess Championship (S Renard) 275

Results of the GM vs Computer Match (R Hyatt and L Cook) 275

The 1995-96 Novag Award (T A Marsland) 276

The 1996 ICCA Journal Award (The Board of ICCA) 277

The IBM Chess Challenge Rematch DEEP BLUE - Kasparov 277

ICCA Journal Referees in 1996 (The Editorial Board) 277

Proceedings of the ACC8 Conference 278

Calendar of Computer-Games Events 1996/1997 278

The Swedish Rating List 1996/1997 279

Make Sure the Journal Reaches You 280

SOURCE OF INSPIRATION

Bob Herschberg is leaving us and such a passing requires an appropriate Editorial. He was a crucial source of inspiration for the Journal. I would like to place his contribution amongst the three I’s that have dominated computer chess over the past fifty years. Imagination, Intuition and Inspiration. Each I has its own background, its own originator and its own perspective.

The I of Imagination refers to Zuse’s idea that his mechanical computer (1941), when dedicated to playing chess, would outplay the human World Champion. The I of Intuition pointed in a completely opposite direction. Since Intuition was considered to be an essential ingredient for playing at Grandmaster level (De Groot, 1946), and since it was assumed not to be programmable, chess programs could never reach World-Championship level. Were we at a loss, in a dead end, or were we simply missing the appropriate travelling guide to the desired algorithms? The I of Inspiration, leading us to the foundations upon which our community nowadays rests, is found in Shannon’s article (1950). As an Editor, I am proud that the Journal has covered each I in the last ten years by enabling the three originators to set their original ideas into perspective. Zuse and De Groot did so in full articles, Shannon through an interview.
Bob Herschberg has been a major source of inspiration for this Journal for almost fourteen years and this is the first issue in which he has not had a hand in the Editorial. At least, his physical hand is no longer involved, but his inspirational spirit is as strong as ever. In fourteen years he has scrutinized Zuse’s, De Groot’s and Shannon’s contributions, vigorously supported young researchers and has served the computer-chess community in his own imitable way. Now he has decided to retire from the University, and from the Journal.

I would like to thank my source of inspiration, in verba magistris, by quoting Jonathan Swift:

"Then, rising with Aurora’s light,
The Muse involved, sit down to write,
Blot out, correct, insert, refine,
Enlarge, diminish, interline"

Jaap van den Herik

BOB MAY BE MISSED, BUT HARDLY FORGOTTEN!

For nearly two decades the ICCA has kept in touch with its members through the Journal, and its predecessor the Newsletter. Since 1983 the Journal itself, under the stewardship of its Editor-in-Chief (Jaap van den Herik), has gone from strength to strength. Not so well-known, perhaps, is that the excellent work done by the editorial office has been strongly supported by the European Editor, J S "Bob" Herschberg. Bob, formerly a Professor of Computer Science at the Delft University of Technology, has outstanding credentials for assessing the scientific contributions of the Journal’s authors. Not an article has gone by without a careful reading by Bob, not an editorial was written without his guiding hand. But all good things come to an end, and it is now with dismay that the Executive Board realizes that Bob really is retiring from his editorial role. Those of us who are part of the computer revolution are too young to retire, and yet it is something that we should all look forward to one day.

It will be impossible to replace Bob’s role as "Chief Assistant to the Editor-in-Chief"; though sometimes authors wondered who was the assistant and who the chief! Bob’s command of the language, his multilingual abilities and his breadth of experience and education made him a delightful colleague. His well-established insights into computer chess, and his general knowledge and methodical approach to serious writing made him a near perfect editor. This gave him great confidence and courage when correcting grammatical errors, inserting "better" words and calling to account even those who genuinely believed their English to be above reproach. He was generally right, though his choice of words sometimes seemed obscure or alien (almost too perfect!) His gift for seeing all the possible interpretations of the text, and his mastery of the double entendre, often put him on the borderline between perfection and pedantry when proposing changes. While there is no hope that we can find another volunteer to follow his footsteps precisely, we will begin immediately to find a replacement who is at least as diligent and conscientious.

Bob will be sorely missed, but how will he fill his day, I wonder? Perhaps we can twist an arm here, provide some pressure there, and convince Bob to return from time to time as Guest Editor for selected issues. Maybe even once a year Bob could write an independent editorial review of an issue, or write the occasional letter to the editor with a position statement or a clarification to some author’s potentially ambiguous text. Bob will be missed, but not forgotten. The executive board, on behalf of all readers, wish Bob many, many years of retirement and look forward to his (electronic or otherwise) correspondences from Delft.

Tony Marsland
ICCA President