UNIVERSITY OF KENTUCKY

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COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
915 PATTERSON OFFICE TOWER

Dr. N. J. A. Sloane
Bell Laboratories
600 Mountain Avenue
Murray Hill, New Jersey 07974

Dear Neil:

Enclosed is the copy of my Math Comp. paper on congruent numbers, which you requested. Thank you for sending me the package of your interesting papers, including Supplement I to the Handbook. I'm particularly interested in reading your papers in coding theory. When Supplement II comes out, please send me a copy; also if you have available reprints of your Monthly paper on error-correcting codes, could you please send me one?

Have you come across the sequence:

2,4,8,12,16,20,26,32,40,46,54,64,72

These are solutions to the postage stamp problem, S(2,N), in which you can put at most 2 (for the more general problem replace 2 by k) stamps on the envelope and you have available N stamp denominations. I have recently computed $S(2,13) = 72$. If you know of anything related to this sequence, or if you would like more information about the postage stamp problem, please let me know.

Very sincerely yours,

Ronald Alter
Associate Professor
Department of Computer Science

RA:js
Enclosure