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H. Gent

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letter, 1 page

2 sequencer

from the place that won the Battle for Britain

finished 4/91

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Procurement Executive, Ministry of Defence
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Dr N J A Sloane
Mathematics Research Center
Bell Telephone Laboratories Inc
Murray Hill
New Jersey
USA

Your reference
Our reference
Date 27 November 1975

Dear Dr Sloane

A HANDBOOK OF INTEGER SEQUENCES

First I must thank you for your invaluable book. It was treated at first as a medium of entertainment rather than instruction, but rapidly proved its worth in the latter field. (In our case, sequence no 1115 was a vital item.)

Secondly, I would like to suggest the inclusion, ^{↖ A241} between sequences no 225 and 226, of the sequence of square-free numbers

- 1, 2, 3, 5, 6, 7, 10, 11, 13, 14, 15, 17, 19, 21, 22, 23, 26, 29, 30,
- 31, 33, 34, 35, 37, 38, 39, 41, 42, 43, 46, 47, 51.

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These are of some importance in the Theory of Numbers. I do not know of any classic reference, but the sequence appears on p 251 of

"An Introduction to the Theory of Numbers"
Ivan Niven and Herbert S Zuckermann
John Wiley and Sons Inc, New York, London, Sydney
Second Edition, 1966.

NZ1

I suppose that the complementary sequence of numbers containing squares might merit inclusion. It would appear between sequences nos 1334 and 1335 as

- ~~4~~ 4, 8, 9, 12, 16, 18, 20, 24, 25, 27, 28, 32, 36, 40, 44, 45, 48, 49, 50.

Finally I would like to request your supplements to the Handbook as and when they are issued.

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With best wishes,

Yours sincerely

Hubert Gent

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