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Papp letter

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DEPARTMENT OF
MATHEMATICAL SCIENCES

1974.XI.27

Dr. Neil J. A. Sloane
Room 2c-363
Bell Telephone Laboratories
Mountain Avenue
Murray Hill, New Jersey 07974
U.S.A.

Dear Dr. Sloane:

      Recently I obtained a copy of your book <u>A Handbook of Integer Sequences</u>. I note that in section 1.7 you mention the possibility of obtaining (&/or phurchasing) supplements to the Handbook. I would be most appreciative if you would add my name to your mailing list for issues of the supplements.

      You book has been of immense value and interest to me in my work.

      Perhaps the following sequence might be a possible candidate for one of the future supplements. It does not appear in the Handbook. The sequence is given in a paper by Kurepa entitled "on the left factorial function !n" and published in Mathematica Balkanica, I (1971), 147-153. The sequence is defined by $!n = \sum(k!)$ (for $0 \leq k < n$). (As usual, $0! = 1$.) Thus: 1, 2, 4, 10, 34, 154, 874, 5914, 46234, 409114, 4037914, ... The recurrence formula is obvious: $!(n+1) = !n + n!$. The research that I have been doing on this sequence has led to close relationships of this sequence to those listed as #766 & #589. Of course, the sequence might also be thought of as a "summatory gamma function".

Sincerely,

Dr. F. J. Papp
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