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Bell Laboratories
N.J.A. Sloane
600 Mountain AVE.
Murray Hill, N.J. 07974

Thank you for Supplement I to the Handbook and for your other authored papers. In the Supplement, there was a "bonus" for me. Among several sequences were large primes to be found. As a hobby, I collect large prime numbers, like others collect rare coins or stamps or butterflies. However, the primes I search for have to be at least 100 digits or more in length. Was able to find six of them in the Supplement.

[illegible]

Could be described as: Composite repunits composed of prime number of 1's.
Quite a bit of work has been done in searching for prime repunits : $\frac{10^p - 1}{9}$, p = prime.

Of the first 76 primes only 3 repunits have been found prime: $p = 2, 19, 23$.
A recent writeup and extending the range considerably, can be found in Mathematics of Computation, but offhand I don't recall the issue or author as this was several years ago.

In Seq 589, could it not be better described as: Total No. of Permutations of N Things; or $P_n = nP_{n-1} + 1$. Do you happen to know the extent of this sequence? I have computed the first 53 terms.

In Seq 497, I can give you the next 2 terms in extending it, but they they have respectively 78 and 155 digits.

Sincerely,

Rudolf Ondrejka

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A 1146



Bell Laboratories

600 Mountain Avenue
Murray Hill, New Jersey 07974
Phone (201) 582-3000

July 8, 1976

Dr. Rudolf Ondrejka
620 W. Revere Avenue
Linwood, New Jersey 08221

Dear Dr. Ondrejka:

Thank you for your letter of May 15 (I have been away). I am glad you found some more large primes for your collection (from the Supplement). I agree with your comments about Seq. 589.

With a multiple-precision integer package it is easy to compute Seqs. 589, 497 etc. up to terms with thousands of digits, using a computer. But there is a large number of sequences in the book where I don't have enough terms to fill up two lines, and if you feel like computing some of these I would be very grateful.

With best wishes.

Yours sincerely,

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N. J. A. Sloane