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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMBRIDGE, MASS. 02139

DEPARTMENT OF MATHEMATICS

8/5/78

NJA SLOANE
BELL LABS

DEAR SIR,

RICHARD STANLEY TOLD ME THAT YOU MIGHT BE INTERESTED IN A CORRECTION TO YOUR "HANDBOOK OF INTEGER SEQUENCES" FOR A FUTURE EDITION.

THIS CONCERNS SEQUENCE 459, "TOURNAMENT SCORES". YOU GOT THE SEQUENCE FROM J. W. MOON'S BOOK (TERMS 1-15) AND BENT AND NARAYANA'S PAPER (TERMS 16-22). BENT AND NARAYANA'S DATA ARE (IS?) SUSPECT; I KNOW THAT $T_{11} = 4,639$ WHERE THEY HAVE 4,649. THEY PROBABLY ERR AGAIN AT T_{21} , WHICH THEY SAY IS 951,695,102. IF THIS IS TRUE, IT IS THE ONLY VIOLATION OF THE CONJECTURE (p. 67 OF MOON) THAT T_{n+1}/T_n IS MONOTONE INCREASING TO FOUR.

UNFORTUNATELY I DO NOT HAVE ACCESS TO ENOUGH COMPUTER TIME TO CHECK THIS. MOON MENTIONS AN UNPUBLISHED PAPER OF P. STEIN THAT MIGHT HAVE THE CORRECT NUMBER.

SINCERELY,
Kenneth Winston
KENNETH WINSTON



Bell Laboratories

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September 19, 1978

Dr. Kenneth Winston
Department of Mathematics
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139

Dear Dr. Winston:

Many thanks indeed for your letter of August 5, 1978 and the corrections to Sequence 459. This will be very useful when I get around to writing the second edition (a task I have been putting off for years!).

Enclosed are a couple of recent things which may amuse you.

It was kind of you to write.

Yours sincerely,

MH-1216-NJAS-mv

N. J. A. Sloane

Enc.
As above