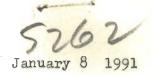
Scan

5262

LJ Upton
Letter (small piece of paper
stapled, but reparate) one small page me seguence

Der Sor



SEQUENCES.

Disks- Towe rs of Hanoi.

I understand you are considering a new book of mathematical sequences., and so I thought this might interest you.

It was set as a problem in the Canadian periodical 'Crux Mathematicorum' and I enclose a copy of it (#1169)

The sequence for the minimum number of moves, consists of 0 D D E V E N

	$7/3.2^{n+1} - 3^{n}$	oi discs.
No.of	1/3.2.7 = 5	$7/3.2^{n+1}-3n-11/3.$
Disks.		1
1	3	
2		9
3	25	in the
4 5 6		59
5	131	0.77
	mm 2	277
7	573	11/7
8	0350	1167
9	2359	4745
10	0.503	4745
11	9521	

It can be seen that (after the initial numbers, that each one can be obtained by taking the difference between the two previously consecutive numbers, I.E. 121-25 is 106, x 4., 424 plus 18 is 442, and 131 plus 442 is 573., etc.

Yours truly,

Mr L J Upton 1755 Lincolnshire Blvd Mississauga Ontario Canada L5E 2T3 July