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Friday May 31, 1991

Dear Neil,

Delightful to hear from you. I hope you do complete a revision of A Handbook of Integer Sequences, which, by the way, I refer to a lot!

I have 2 sequences for you:

(a) n-dimensional Catalan numbers are really a 2-D sequence.

- See enclosures
- ① Chart of $C(n,d)$ for $n+d \leq 13$
 - ② $C(n,d)$ is symmetric in n & d
 - ③ A Four Dim Catalan Formula, Congressus Numerantium 75 (1990) pp 123-126
 - ④ pre-print of n-dim Cat. Nos.

Unfortunately my co-author Stephanie Troyer died of breast cancer and I have not yet gotten #④ completed!

→ You will need the reference in italics on p. 126 of the ③ Four Dim Catalan Formula article.

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(b) reptilable triangles: 1, 2, 3, 4, 5, 8, 9, 10, 13, 16, 17, 18, 20, 25, 26, 27, 29, 32, ...
this sequence is a union of the two disjoint sequences
(i) $(k^2 + l^2)$ integers (Your sequence # 361 in the first edition)
and (ii) $(3k^2)$ integers.

→ Our reference is ⑤ enclosed and has been accepted for publication and is in the queue for JOURNAL OF DISCRETE MATHEMATICS.
^(Also) See the introduction to ⑤).

Best wishes, Steve Snover