

## Erratum to “Modular rings and the integer 3”

In an email dated 28 November 2011 to Dr A G Shannon, Dr N J A Sloane [1] has kindly pointed out errors in the paper [2]: “you say ‘The  $k_n$  are elements of the sequence  $\{n(3n - 2)\}$  sometimes called generalized octagonal numbers’, but  $\{k_n\}$  is more famous as the binary sequence  $\{0, 1, 101, 10101, 1010101, \dots\}$ . You are talking about the sequence A002450 [3], I think. But these are not of the form  $n(3n - 2)$ , and they aren’t generalized octagonal numbers.”

The Authors acknowledge the errors and are very grateful to Dr Sloane for taking the trouble to point them out.

### References

- [1] Neil J. A. Sloane, AT&T Shannon Labs, Room C233, 180 Park Avenue, Florham Park, NJ 07932-0971; Email: [njas@research.att.com](mailto:njas@research.att.com); Homepage: <http://www.research.att.com/~njas/>
- [2] Leyendekkers, J. V., A. G. Shannon. 2011. Modular Rings and the Integer 3, *Notes on Number Theory and Discrete Mathematics*, Vol. 17, 2011, No. 3, 47-51  
<http://www.nntdm.net/papers/nntdm-17/NNTDM-17-2-47-51.pdf>
- [3] Sloane, N. J. A., S. Plouffe. 1995. *The Encyclopedia of Integer Sequences*. San Diego: Academic Press.