Erratum to: The work of Douglas Munn and its legacy

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The definition given on page 15 for the Jacobson radical of a ring R requires that R has an identity. To include all rings we must define $J(R)$ to be the intersection of all *modular* maximal right ideals of R [3] (see also [1] and [2] where modular right ideals are referred to as *regular* right ideals). A right ideal I of a ring R is *modular* if there is an element $e \in R$ such that $a - ea \in I$ for all $a \in R$.

On page 16, it is stated that simple rings are primitive. This assertion is true for rings with identity, but is, of course, well known to be false for general rings.

I am indebted to Professor H. E. Heatherly for drawing my attention to these errors.

References

1. Divinsky, N.J.: Rings and Radicals. University of Toronto Press, Toronto (1965)
2. Herstein, I.N.: Noncommutative Rings. Math. Assoc. of America, Washington (1968)
3. Jacobson, N.: Structure of Rings. Am. Math. Soc., Providence (1956)

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