

**DYSON SPHERES**  
(Serb. Astron. J. № 200 (2020), 1)

**Jason T. Wright**

*Department of Astronomy & Astrophysics and Center for Exoplanets and Habitable  
Worlds and Penn State Extraterrestrial Intelligence Center 525 Davey Laboratory,  
The Pennsylvania State University, University Park, PA, 16802, USA*

E-mail: [astrowright@gmail.com](mailto:astrowright@gmail.com)

In the paper by [Wright \(2020\)](#), due to an editing error, Footnote 2 contains an incorrect citation. The intended meaning of the relevant parts of the footnote is as follows:

As detailed in [Gray \(2020\)](#), many authors who discuss an extension of Kardashev's scale to noninteger values cite Carl Sagan's book *The Cosmic Connection* ([Sagan 1973a](#)), which has no explicit equation but describes one implicitly with some characteristic values. [Wright et al. \(2014\)](#) incorrectly cite an *Icarus* article by [Sagan \(1973b\)](#), which discusses the integer version of the scale but not noninteger extensions.

In Table 1, the definition of  $s$  should read:

Probability a photon emitted by inner surface of the Dyson sphere does not immediately strike the star ...

On page 7 immediately after Eq. (25), the end of the sentence should be:

... represents the probability that a photon emitted from or reflected by the interior of the sphere in a random direction will not strike the star before it strikes the sphere again.

Eq. (23) should have units of  $\text{g}/\text{m}^2$ , not  $\text{g}/\text{cm}^2$ . Similarly, on page 15, col. 2, line 13, the units should be  $\text{g}/\text{m}^2$  (consistent with correction for Eq. (23)), not  $\text{g}/\text{cm}^3$ .

REFERENCES

- Gray, R. H. 2020, *AJ*, **159**, 228  
Sagan, C. 1973a, *The Cosmic Connection. An Extraterrestrial Perspective* (Garden City, N.Y.: Anchor Press, Doubleday)  
Sagan, C. 1973b, *Icarus*, **19**, 350  
Wright, J. T. 2020, *SerAJ*, **200**, 1  
Wright, J. T., Mullan, B., Sigurdsson, S., and Povich, M. S. 2014, *ApJ*, **792**, 26