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BD +43° 3749 RECOVERED

In his Bonner Durchmusterung Argelander noted a 9.5 magnitude star as +43° 3749. There is, however, no such star at the given position, but the place is instead occupied by the much fainter ($m_{pg} = 16.0$) emission-line star LkH α 172 (Herbig 1958) = UH α 45 (Welin 1973). Herbig notes that a 1954 spectrum shows the star to be of intermediate to late G type, with rather strong H β emission, possibly also H γ emission, but no emission at H and K. Possibly the strength of H α emission was weaker during Welin's later survey; emission strengths are given as medium and weak, respectively.

The star was also of m_{pg} about 16 when plates were taken by Wolf in 1901 (Wolf 1925) and 1905 (Palisa and Wolf 1931). It would be extremely interesting to know if Argelander just happened to observe a transient outburst in the star, or whether the star actually did fade by some five magnitudes from the mid-19th century to the beginning of the 20th. Perhaps it might be found on old plates in some observatory archives.

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