CORRECTION:

ON A PROBLEM OF BONSALL

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In my paper above indicated, the sentence "for any operator S, $\sigma_r(S)$ is open" in the line 24 on p. 6 is false. Therefore following corrections are needed: In the proof of theorems, $\sigma_r(S)$, $\sigma_c(S)$ should be replaced by $\sigma_r'(S)$, $\sigma_c'(S)$ respectively, where $\sigma_r'(S)$ is the set of complex numbers λ such that $S-\lambda I$ has a continuous inverse and that the range of $S-\lambda I$ is not dense in H and $\sigma_c'(S)$ is the set of complex numbers λ which does not belong to $\sigma_p(S)$ and for which there exists a sequence $\{x_n\}$ of unit vectors in H such that $\|Sx_n-\lambda x_n\| \to 0$ as $n \to \infty$.

Clearly we have $\sigma_p(S) \cap \sigma_r'(S) \cap \sigma_c'(S) = \sigma(S)$ and $\sigma_r'(S)$ is open by [2]. Since, as easily seen, all lemmas for $\sigma_c(\cdot)$ are valid for $\sigma_c'(\cdot)$, all the results of the paper are valid.