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Publisher *Taylor & Francis*

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## Separation Science and Technology

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713708471>

### Errata

**To cite this Article** (1983) 'Errata', *Separation Science and Technology*, 18: 9, 869 – 870

**To link to this Article: DOI:** 10.1080/01496398308060312

**URL:** <http://dx.doi.org/10.1080/01496398308060312>

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## ERRATA

### Rapid Separation of $\text{TI}^+$ and $\text{Pb}^{2+}$ from Various Binary Cation Mixtures Using Dicyclohexano-18-Crown-6 Incorporated into Emulsion Membranes

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REED M. IZATT, MICHAEL P. BIEHL, JOHN D. LAMB, and JAMES J. CHRISTENSEN

[article in *Separation Science and Technology*, 17(11), 1351-1360 (1982)]

On page 1351, the 7th, 8th, and 9th lines of the Abstract should read:

$\text{TI}^+ > \text{Ag}^+ > \text{Rb}^+ > \text{Cs}^+ > \text{K}^+ > \text{Na}^+$  and  $\text{Pb}^{2+} > \text{Sr}^{2+} > \text{Ba}^{2+} > \text{Ca}^{2+}$  for univalent and bivalent cations, respectively. Significant extraction was found for all cations except  $\text{Na}^+$ ,  $\text{K}^+$ , and  $\text{Ca}^{2+}$ . Some metal ions were concentrated nearly 10-fold in a

On page 1352, in the 6th line below the structural formula, change "partitioning" to "partitioning"

On page 1356, the 3rd, 4th, 5th, and 6th lines of regular text should read:

$\text{TI}^+ > \text{Ag}^+ > \text{Rb}^+ > \text{Cs}^+ > \text{K}^+ > \text{Na}^+$  in the case of the univalent cations and  $\text{Pb}^{2+} > \text{Sr}^{2+} > \text{Ba}^{2+} > \text{Ca}^{2+}$  in the case of the bivalent cations. A significant change between initial and final concentrations is seen for all metal ions except  $\text{Na}^+$ ,  $\text{K}^+$ , and  $\text{Ca}^{2+}$ , while essentially complete extraction

On page 1357, Table 2 should read:

TABLE 2

Initial (*i*) and Final (*f*)<sup>a</sup>  $M^{n+}$  Concentrations ( $\mu\text{g/mL}$ ) in the Source Phase for Single Cation Transport Together with the Enrichment Ratio (*E*) for Each Cation

$M^{n+}$	<i>i</i>	<i>f</i>	<i>E</i>
$\text{Na}^+$	123	118	0.40
$\text{K}^+$	106	92	1.32
$\text{Rb}^+$	134	92	3.13
$\text{Cs}^+$	183	155	1.53
$\text{Ag}^+$	107	60	4.39
$\text{Tl}^+$	120	5	9.58
$\text{Ca}^{2+}$	124	115	0.73
$\text{Sr}^{2+}$	84	37	5.60
$\text{Ba}^{2+}$	135	81	4.00
$\text{Pb}^{2+}$	128	6	9.53

On page 1358, the right-hand column head in Table 3 should read:  $\phi[\text{Tl}^+]/[\text{M}^{n+}]$ . In Table 4, the next to last entry in the 5th column from the left should read:  $\text{Sr}^{2+}$

On page 1359, in the top text line, 10.1 should read 11.2.

On page 1359, the 13th and 14th text lines down should read:

$\sim 1.7$ . However,  $\text{Tl}^+$  is transported preferentially to either  $\text{Ca}^{2+}$  or  $\text{Sr}^{2+}$  ( $\log K \sim 5$ ) both in the single cation (Table 2) and binary cation (Table 3)

Also on page 1359, the final sentence (This result . . . 9.53.) in the 2nd paragraph from the bottom of the page should be deleted.

On page 1360, the contract number in the Acknowledgments should read: DEAC02-78ER05016.

In the Reference section, the following changes should be made:

4. S. Nishimura, *Kagaku Kogaku*, **41**, 189 (1977).
14. J. J. Christensen, J. D. Lamb, P. R. Brown, J. L. Oscarson, and R. M. Izatt, *Sep. Sci. Technol.*, **16**, 1193-1215 (1981).