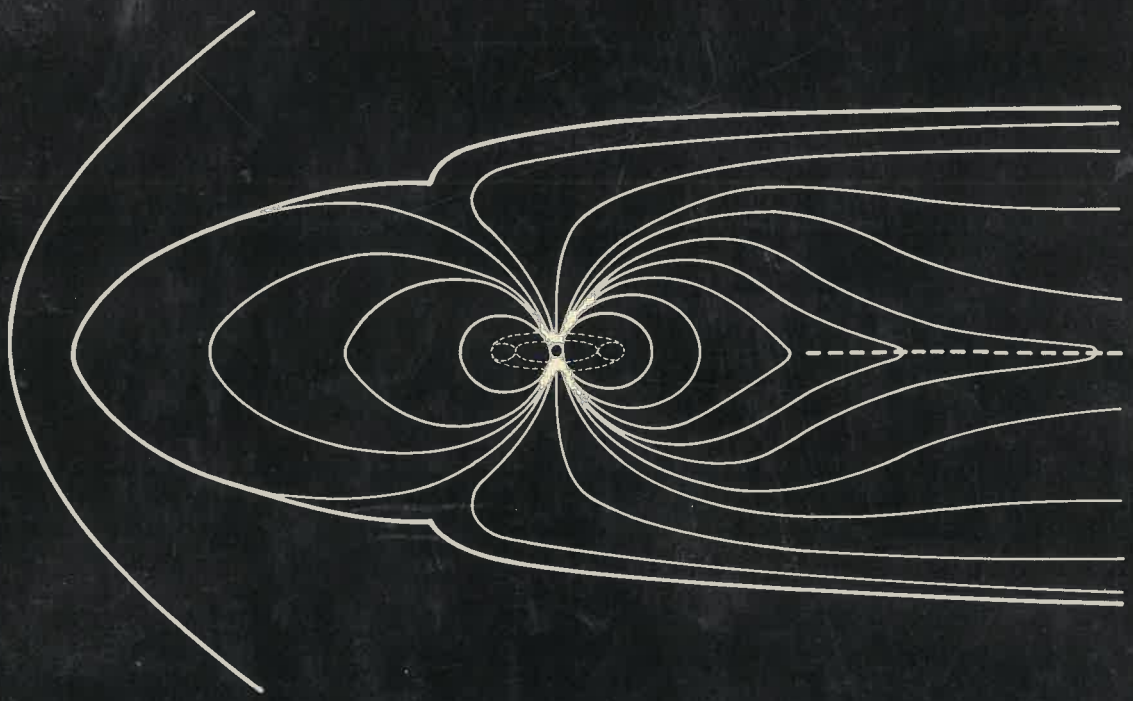
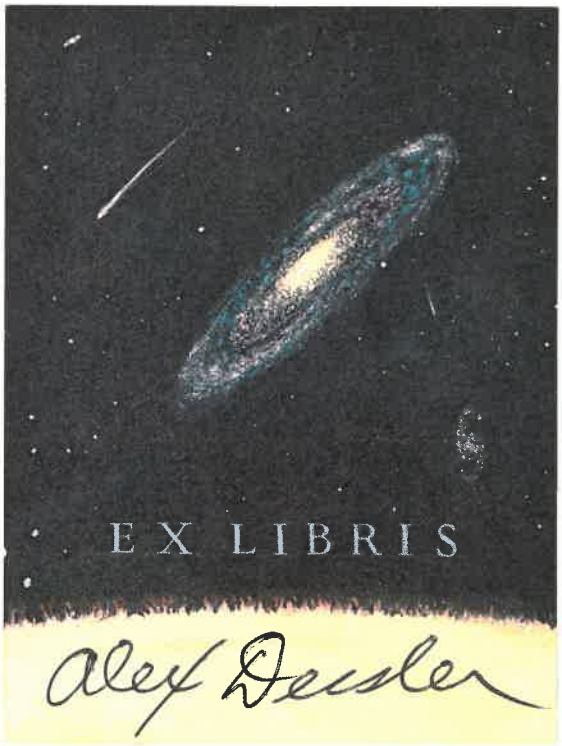
A. J. DESSLER (Editor)

Physics of the Jovian Magnetosphere



Cambridge Planetary Science Series 3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Alex Dessler

12 November 2002

ERRATA

Physics of the Jovian Magnetosphere

pg.13 In Fig.1.10: interchange L = 4 and L = 6

pg.26 Interchange legends for Figs.1.23 and 1.24

pg.300 In legend Fig.8.12, 3rd line: add "heavy" between "the" and "dashed"

pg.381 In item h: substitute "latitudinal" for "latidudinal"

pg 398 In Equation 11.7: substitute $\partial \mathbf{B}/\partial z$ for $\partial \mathbf{B}/\partial t$

pg.500 Second line after Eq.(B.1): substitute "1965" for "1957"

pg.505 Io's sidereal period: substitute "42.45h" for "42.46h"

pg.544 In index, under *power budget for magnetosphere*: substitute "437" for "436"

From Mike Kaiser GSFC

From: ALEX

$\lambda_{III}(57)$ $870^{\circ}.544317$ /day

$\lambda_{III}(65)$ -870.53628 ← rounded to corresp to $9^h55^m29.7^s$

Rate defined as 870.536 ↑ no 2

0.00804

$= 2^{\circ}.9367$ /yr

According to Riddle & Warwick this should be .0083169

$\times 365\frac{1}{4} = 3.03775^{\circ}$/yr

To: MIKE

III (57)	870.544317
III (65)	870.536
	.008317
	$\times 365\frac{1}{4}$
	$= 3.04^{\circ}$/yr

3/24/82

Mike

I think I know where the 28 at the end of your 65 rate came from. You took (or someone took) the derived period of $9^h55^m29^s.711$, ~~and~~ rounded it to $9^h55^m29^s.7$ and then converted back to the ~~period~~ rate, thus adding .00028. Thanks anyway. Alex