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Notes and Comments on the Composition of Terrestrial and Celestial Maps, by J. H. Lambert, Translated and Introduced by Waldo R. Tobler.

In 1772, Johann Heinrich Lambert wrote Notes and Comments on the Composition of Terrestrial and Celestial Maps (Anmerkungen und Zusätze zur Entwerfung der Land und Himmelscharten). In 1972, 200 years later, Waldo R. Tobler translated and introduced the work in English as Michigan Geographical Publication No. 8 of the Department of Geography of The University of Michigan (Ann Arbor). For classics to endure as times and technologies change, it is important that they persist in contemporary form. Even more, it is critical to see the work of the original great scholar through the eyes of a contemporary great scholar. The 1972 work captured that spirit and did so suitably in terms of timing, as

WCII.

Land und himmelscharten.

ausschrlich vorgestellt werden. In Ansehung der erstern ist nach angestellter Rechnung und behöriger Reduction

Mcof. p
$$= \frac{1}{2} A' + \frac{1}{2} B' \lambda + &c.$$

$$+ \frac{1}{2} (2 A'') \operatorname{cof.} 2p + \frac{1}{2} (2 B'') \operatorname{cof.} 2p \lambda + &c.$$

$$+ \frac{1}{2} (A' + 3 A''') \operatorname{cof.} 2p + \frac{1}{2} (B' + 3 B''') \operatorname{cof.} 2p \lambda + &c.$$

$$+ \frac{1}{2} (2 A'' + 4 A'''') \operatorname{cof.} 3p + \frac{1}{2} (2 B'' + 4 B'''') \operatorname{cof.} 3p \cdot \lambda + &c.$$

$$+ \frac{1}{2} (3 A''' + 5 A'') \operatorname{cof.} 4p + \frac{1}{2} (3 B'' + 5 B'') \operatorname{cof.} 4p \cdot \lambda + &c.$$
&c.

und

n= b +2c
$$\lambda$$
 +3d λ^2 + &c.
+b'col.p +2c'col.p λ +3d'col.p. λ^2
+b"col.2p+2c"col.2p. λ +3d"col.2p. λ^2
+b"col.3p+2c"col.3p. λ +3d"col.3p. λ^3

Hier können nun die Coefficienten Glied für Glied mit einander verglichen werden; und so sindet man

Today, ESRI Press has also seen this critical approach to the preservation of great academic scholarship. Their recent, 2011, release of the 1972 work, along with new front matter (contemporary introductory material, additional references, short index, added photograph, and minor editing) by Tobler speaks clearly to that understanding. Contemporary students of mapping now have readily available a text that has endured across the ages. How suitable that it should be ESRI, leaders in contemporary digital mapping, who published this extraordinary classic. Encourage your students and colleagues to acquire this important Lambert/Tobler work. Buy it, read it, and keep it—it is a fundamental document for the library of anyone interested in maps!

> Sandra L. Arlinghaus Ann Arbor, Michigan, U.S.A.

> > September, 2011.

Background image scanned from the original publication of the Michigan Geographical Publications. Solstice: An Electronic Journal of Geography and Mathematics, Volume XXII, Number 2 Institute of Mathematical Geography (IMaGe). All rights reserved worldwide, by IMaGe and by the authors. Please contact an appropriate party concerning citation of this article: sarhaus@umich.edu http://www.imagenet.org http://deepblue.lib.umich.edu/handle/2027.42/58219 Institute of Mathematical Geog Solstice was a Pirelli INTERNETional Award Semi-Finalist, 2001 (top 80 out of over 1000 entries worldwide) One article in Solstice was a Pirelli INTERNETional Award Semi-Finalist, 2003 (Spatial Synthesis Sampler). Solstice is listed in the Directory of Open Access Journals maintained by the University of Lund where it is maintained as a "searchable" journal. Solstice is listed on the journals section of the website of the American Mathematical Society, http://www.ams.org/

