

CHINESE, JAPANESE AND WESTERN RESEARCH
IN CHINESE HISTORICAL METROLOGY:
A CLASSIFIED BIBLIOGRAPHY (1925-2012)

by

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Preface

This bibliography is a collection of books and articles dealing with historical metrology in China. The historical subjects covered by this bibliography span from the origin of the Chinese civilisation until the Qing period (1644-1911), with the inclusion of some entries referring to the Republican Period and the PRC as well as to music, as far as it focuses on metrological problems. We have tried to be as inclusive as possible in the collection of materials and the compilation of the entries, but given the output of publications nowadays and the often very marginal character of publications dealing with historical metrology this can only be a first attempt at providing historians, especially those investigating economic and institutional history, with a reference tool that may prove helpful for their research. We have not only included articles and books written in Chinese and English, but also such in Japanese, French, German, Russian, and even Korean.

The structure of the bibliography was built as simple as possible. On the upper level of organisation, i.e. the main chapters, we followed a chronological order. After listing general surveys on the history of weighing and measuring in China in the first main chapter, the following main chapters proceed from one period or dynasty to the next, beginning with the pre-Zhou period and ending with the Qing dynasty.

Within a main chapter dealing with one period or dynasty we arranged sub-chapters beginning with general surveys on the history of weights and measures of a given period and then proceeding with sub-chapters in the sequence of *duliangheng*, that is, length measures, capacity measures, and volume measures, and concluding – if relevant publications are available – with area measuring.

In the sub-chapter the individual entries are in alphabetical order based on the given name of an author. Only in the first main chapter dealing with general surveys on the history of weighing and measuring did we differentiate between monographs and articles. This was not necessary anymore for the following main chapters which almost exclusively list articles only. It may well be that an article deals with more than one period or dynasty (e.g. Sui and Tang) and that more than one metrological category is discussed (e.g. weights and volume measures). As far as possible and feasible, such a study would be listed not only under the first mentioned, or earlier period (Sui), and within this main chapter under the first mentioned metrological category (weights), but also under each other mentioned period (Tang) and each other mentioned metrological category (volume measures).

Within the next few months this bibliography will be supplemented with further data. This remark makes clear that we have to do it here with a preliminary result or, to say it more positively, with an on-going process. Naturally, we are grateful for any advices and hints that help us to improve this bibliography, especially with regard to articles and books that are not yet included in this collection.

I am especially indebted to Cao Jin and Ulrich Theobald, my assistants and collaborators at the Section of Chinese Studies, Department of Chinese and Korean Studies of the Institute of Asian and Oriental Studies, Tübingen University, for their vigorous efforts in pushing this collection of data to a publishable stage and feeding it with many new items of interest, in particular concerning the publications that appeared in the 1990s and the new century.

At an earlier stage of this collection we were assisted by Dr. Shan Kunqin, once collaborator at our Section, who critically proofread the whole bibliography, made suggestions for its improvement, and supplemented it with data from the *Fuyin baokan ziliao* (Reprinted materials from newspapers and periodicals) database. We also received help from Alexei Volkov, McGill University, Montreal, Canada, who provided us with data of Russian publications. Moreover, my old friends from Sichuan, Zhang Xuejun and Zhang Lihong, have to be mentioned who supported us in entering Chinese characters and by suggesting

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Abbreviations of Journals and of Collections of Articles

- AMT/III *Acta Metrologiae Historicae: Travaux du III. Congrès International de la Métrologie Historique organisé par Comité International pour la Métrologie Historique, Linz, 7.-9. Oct. 1983* (Works of the 3rd International Congress of Historical Metrology organized by the International Committee of Historical Metrology, Linz October 7-9, 1983), Linz: Trauner Verlag, 1985.
- AMT/IV *Acta Metrologiae IV: VIe Congrès International de la Métrologie Historique, Cahiers de Métrologie, une activité universelle, Peser et mesurer à travers les âges* (6th International Congress of Historical Metrology, Papers of Metrology, a universal activity, Weighing and Measuring through the ages), Caen: Editions-Diffusion Du Lys, tomes 11-12, 1993-1994.
- AMT/V *Acta Metrologiae Historicae V: 7. Internationaler Kongreß des Internationalen Komitees für Historische Metrologie (CIMH), 25.-27. September 1997 in Siegen* (7th International Congress of Historical Metrology (CIMH), September 25-27, 1997 in Siegen), ed. Harald Witthöft et. al., St. Katharinen: Scripta Mercaturae Verlag, 1999.
- BDGXJK *Guoli Beijing daxue guoxue jikan* 國立北京大學國學季刊 (National studies quarterly of the National University of Beijing)
- BDX *Beijing daxue xuebao* 北京大學學報 (Peking University journal)
- BJRB *Beijing ribao* 北京日報 (Beijing daily)
- BPHBRB *Beiping Huabei ribao shixue zhoukan* 北平華北日報史學周刊 (Historical weekly of the North China daily of Beiping)
- CS *Chinese Science*
- DHXJK *Dunhuangxue jikan* 敦煌學季刊 (Journal of Dunhuang studies)
- GBDLH *Gongye biao zhun yu duliangheng* 工業標準與度量衡 (Industrial standards and weights and measures)
- GBY *Gugong bowuyuan yuankan* 故宮博物院院刊 (Palace Museum bulletin)
- GGWWYK *Gugong wenwu yuekan* 故宮文物月刊 (Cultural relics of the imperial palace monthly)
- GMRB *Guangming ribao* 光明日報 (Guangming daily)
- GTJL Wang Guowei 王國維, *Guantang jilin* 觀堂集林 (Collections from the Observation Hall), 1923. Repr. by Taipei: Shijie shuju, 1964. Repr. by Beijing: Zhonghua shuju, 1959.
- GKJK *Guoxue jikan* 國學季刊 (Chinese studies quarterly)
- GWZYJ *Guwenzi yanjiu* 古文字研究 (Paleographic researches)
- HBXK *Hebei xuekan* 河北學刊 (Hebei academic journal)
- JHKG *Jiangnan kaogu* 江漢考古 (Archaeology of the Jiang [Yangzijiang] and Han [Han River])
- JLGZ *Jiliang gongzuo* 計量工作 (Measuring work)
- JLGZTX *Jiliang gongzuo tongxun* 計量工作通訊 (Measuring work newsletter)
- KG *Kaogu* 考古 (Archaeology)
- KGTX *Kaogu tongxun* 考古通訊 (Archaeology newsletter)
- KGWW *Kaogu yu wenwu* 考古與文物 (Archaeology and cultural relics)
- KGXB *Kaoguxue bao* 考古學報 (Archaeology journal)
- KRSKK *Keiryōshi kenkyū* 計量史研究 (Research into the history of metrology [Bulletin of the Society of Historical Metrology, Japan])

- KRSKK/J *Keiryōshi kenkyū* 計量史研究 (Research into the history of metrology [published by Jōshi daigaku 上智大學 (Sophia University)])
- LFZBB Liang Fangzhong 梁方仲, *Liang Fangzhong jingjishi lunwenji bubian* 梁方仲經濟史論文集補編 (A supplement of the collected articles on economic history by Liang Fangzhong), Zhongzhou: Zhongzhou guji chubanshe, 1984.
- LNDX *Liaoning daxue xuebao (zhexue shehui kexue)* (Liaoning University journal (philosophy and social sciences [issue]))
- LSJX *Lishi jiaoxue* 歷史教學 (Teaching history)
- LSYJ *Lishi yanjiu* 歷史研究 (Historical research)
- NCBRAS *Journal of the North China Branch of the Royal Asiatic Society*
- NFWW *Nanfang wenwu* 南方文物 (Relics from the south)
- NJDXXB *Nanjing daxue xuebao (zhexue shehui kexue ban)* 南京大學學報 (哲學社會科學版) (Nanjing University journal (philosophy and social sciences issue))
- NYKG *Nongye kaogu* 農業考古 (Agricultural archaeology)
- RMRB *Renmin ribao* 人民日報 (People's daily)
- RWYK *Renwen yuekan* 人文月刊 (People's culture monthly)
- SCWW *Sichuan wenwu* 四川文物 (Cultural relics of Sichuan)
- SDX *Sichuan daxue xuebao (zhexue shehui kexue ban)* 四川大學學報 (哲學社會科學版) (Sichuan University journal (philosophy and social sciences issue))
- SHKXXZ *Shehui kexue zhanxian* 社會科學戰綫 (Social sciences front)
- WB *Wenbo* 文博 (Museum)
- WS *Wenshi* 文史 (Literature and history)
- WW *Wenwu* 文物 (Cultural relics)
- WWB *Wenwubao* 文物報 (Cultural relics journal)
- WWCKZL *Wenwu cankao ziliao* 文物參考資料 (Cultural relics reference material)
- WWCQ *Wenwu chunqiu* 文物春秋 (Spring and autumn of cultural relics)
- WWZL *Wenwu ziliao congkan* 文物資料叢刊 (Collected writings on cultural relics material)
- XBDXXB/Z *Xibeidaxue xuebao (zhexue shehui kexue ban)* 西北大學學報 (哲學社會科學版) (Journals of North-western University (philosophy and social sciences issue))
- XH *Xueheng* 學衡 (Academic discussions)
- XSX *Xinshixue* 新史學 (New History)
- YCWB *Yangcheng wanbao* 羊城晚報 (Yangcheng [Guangzhou] evening paper)
- YLXK *Yilin xunkan* 藝林旬刊 (Art collection ten-day periodical)
- ZGCMB *Zhongguo caimaobao* 中國財貿報 (China finance and trade daily)
- ZGDL *Henan jiliangju* 河南計量局 (Henan Measuring Bureau), main comp.; Qiu Guangming, Qiu Long, Wang Tong and Wang Bosong, comp., *Zhongguo gudai duliangheng lunwenji* 中國古代度量衡論文集 (Collected essays on length, capacity and weight measures in ancient China), Zhengzhou: Zhongzhou guji chubanshe, 1990.
- ZGKJ *Zhongguo keji shiliao* 中國科技史料 (Material on the history of natural sciences and technology in China)
- ZGJS *Zhongguo jingjishi yanjiu* 中國經濟史研究 (Chinese economic history research)
- ZGJL *Zhongguo jiliang* 中國計量 (China metrology)
- ZGNS *Zhongguo nongshi* 中國農史 (History of Chinese agriculture)
- ZGQB *Zhongguo qianbi* 中國錢幣 (China numismatics)

- ZGSHJJ *Zhongguo shehui jingjishi yanjiu* 中國社會經濟史研究 (Research on Chinese social and economic history)
- ZGSYJ *Zhongguoshi yanjiu* 中國史研究 (Chinese history research)
- ZGWZ *Zhongguo wenzi* 中國文字 (Chinese script)
- ZHWSLC *Zhonghua wenshi luncong* 中華文史論叢 (Collected articles on Chinese literature and history)
- ZKY *Ziran kexueshi yanjiu* 自然科學史研究 (Studies in the history of natural sciences)
- ZLBG *Zhongguo lishi bowuguan guankan* 中國歷史博物館館刊 (Chinese Historical Museum Bulletin)
- ZYRB *Zhongyang ribao* 中央日報 (Central daily)
- ZYWW *Zhongyuan wenwu* 中原文物 (Cultural relics of the Central Plains)

1. General Surveys on the History of Weighing and Measuring in China

1 a) Monographs

- Anon.: *Duliangheng* 度量衡 (Length, capacity and weight measures), Nanjing bowuyuan cangpin zhuan ti mulu 南京博物院藏品專題目錄: Gudai kexue jishu wenxian ziliao 古代科學技術文獻資料, 1997.
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- Guo Zhengzhong 郭正忠: *San zhi shisi shiji Zhongguo de quanheng duliang* 三至十四世紀中國的權衡度量 (Weights and measures in China from the third to the fourteenth centuries), Beijing: Zhongguo shehui kexue chubanshe, 1993.
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- Lin Dawei 林大澍 and Chen Jie 陳捷: *Zhongguo duliangheng* 中國度量衡 (Chinese length, capacity and weight measures), Shanghai: Shangwu yinshuguan, 1930.
- Marakuev, A.V.: *Mery i vesy v Kitae* (Measures and weights in China). Vladivostok, 1930. [A short pamphlet that was probably published in a small number of copies and that is hardly accessible now.]
- Qiu Guangming 丘光明: *Jiliangshi* 計量史 (The history of measuring), Changsha: Hunan jiaoyu chubanshe, 2002. (Zhongguo wulixueshi daxi 中國物理學史大系 (The great series of Chinese history of physics))
- Qiu Guangming 丘光明: *Zhongguo duliangheng* 中國度量衡 (The length, capacity and weight measures of China), Beijing: Xinhua chubanshe, 1992.
- Qiu Guangming 丘光明: *Zhongguo gudai duliangheng kao* 中國古代度量衡考 (Investigation of ancient Chinese length, capacity and weight measures), Tianjin: Tianjin jiaoyu chubanshe, 1991. [Unfortunately, this book contains many printing errors, for which the publisher is to be blamed. There is a translation of this text by Kashima Junichirō 加島淳一郎 in *Keiryōshi kenkyū* 計量史研究 (Research into the history of metrology [Bulletin of the Society of Historical Metrology, Japan]), 21 (1999)-23 (2001).]

- Qiu Guangming 丘光明 et al.: *Zhongguo gudai duliangheng lunwenji* 中國古代度量衡論文集 (Collected essays on length, capacity and weight measures in ancient China), Zhengzhou: Zhongzhou guji chubanshe, 1990.
- Qiu Guangming 丘光明, Qiu Long 邱隆, Yang Ping 楊平: *Zhongguo kexue jishushi, Duliangheng juan* 中國科學技術史·度量衡卷 (The history of science and technology in China, metrology volume), Beijing: Kexue chubanshe, 2001.
- Qiu Guangming 丘光明: *Zhongguo lidai duliangheng kao* 中國歷代度量衡考 (Investigations into the length, capacity and weight measures of China through the ages), Beijing: Kexue chubanshe, 1992. [This is an up-dated account on length, capacity and weight measures of China through the ages. It contains many photographs of archaeological remains, rubbings of inscriptions and illustrations drawn by Qiu Guangming herself. Archaeological remains are described, and each major section is accompanied by a research article, containing tables summarizing the quantitative findings. This book replaces Qiu Long et al., *Zhongguo gudai duliangheng tuji* 中國古代度量衡圖集 (Collected illustrations of old Chinese length, capacity and weight measures), Beijing: Wenwu chubanshe, 1981.]
- Qiu Guangming 丘光明 and Zhang Yanming 張延明 (tr.): *Zhongguo gudai jiliangshi tujian* 中國古代計量史圖鑒 (Illustrated handbook for the history of ancient Chinese measures and weights), Hefei: Hefei gongye daxue chubanshe, 2005.
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- Zhao Xiaojun 趙曉軍: *Zhongguo gudai duliangheng zhidu yanjiu* 中國古代度量衡制度研究 (Research on the system of ancient weights and measures of China), doctoral thesis, University of Science and Technology of China, 2007.

1 b) Articles

- Ai Xuepu 艾學璞 and Wang Lixin 王立新: "Dui Zhongguo gudai jiliang 'sanliang', 'siliang' he 'wuliang' zhishuo de tanjiu" 對中國古代計量《三量》、《四量》和《五量》之說的探究 (An investigation into the terms of "three measures", "four measures" and "five measures" in Chinese ancient metrology), in: *ZGJL*, 2006, 5, pp. 45-47.
- Anon.: "Maass und Gewicht in China, Japan und Ostindien", in: *Polytechnisches Journal*, 1863, 173, pp. 484 ff.
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5. The Han Period (207 BC-220 AD)

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7. The Period of Disunity (220-589): Three Kingdoms Period (220–280), the Jin Dynasty (265-420) and Sixteen Kingdoms (304-439), and the Southern and Northern Dynasties (420-589)

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