

# 印刷術對世界文明發展的探討

An Investsigation of the Printing Technology Influences on the  
World's Culture Development

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## 摘 要

印刷術的出現是人類圖文傳播科技史中一次劃時代的革命。始於隋、唐的「印刷術」使中國教育、文化的發展騰飛猛進。此時亞洲的中國封建制度已然成熟，文物典章齊備，經濟繁榮，文化教育發達，文人、學士和科學家輩出。較於歐洲之前，實現了文藝復興。

十七世紀英國的思想家弗朗西斯·培根撰文敘述了印刷術的貢獻，內容簡譯為「發明的力量、效能和後果是會充分看得到的。這從古人所不知、且來源不明的三項發明中表現得再明顯不過了。它就是印刷術、火藥和磁針。這三項發明已經改變了世界的面貌和事物的狀態。任何帝國、任何教派、任何名人，對人類事務都不及這些機械發明對世界更有力量和影響力」(Bacon, 1905)。

- 一、對中國教育、科學、理學、文史發展的影響；
- 二、對西方（歐洲）教育、科學、人文主義思想、民族文學、宗教改革運動的影響；
- 三、對世界政治制度、世文官制度，與宗教、經濟所產生的貢獻。

內容載於本文「貳、印刷術對中國的影響」，「參、印刷術在歐洲的影響」，「肆、印刷術對世界文明發展的貢獻」。全文引用北京中國科學院科院自然科學史研究所潘吉星研究員的學術合作資料，做精確客觀的分析與判定。

## Abstract

The invention of printing technology marked an each revolution in the communication teachnology history. Beginning in Hsuei (隋) and Tan (唐), the "printing technology" speeded the Chinese education and culture developmentws rapidly. At thet time, the Chinese feudal system has been mature enough in a condition of full of cultural publications, flourishing developemnts in economy and education, and popping up many oiterati, scholars, and scientists step by step.

Francis Bacon (1905), an English thinker in the 17th century, had ever written soething about the contribution of printing technoloy, these inventions have changed the appearances of the world and the content of human affairs so much that the contribution from any empires, sects, celerities toward human affairs can not been catch up the power and influences of these machinery inentions toward the world.

So this raaesearch's paper focuses on the influences and contributions of printing technolohy: (1). the influences on the developments of Chinese education, science, and literature; (2). the influences on the revolution of western (european) education, science, social science, race literature, and religion; (3). the contributions on worldwide political systems, governmental systems, religions, and economy.

The analysis and judgments in this report were referred to the academic information cooperated between Professor of National Taiwan Normal University and Researcher of China Science

關 鍵 詞：印刷，圖文傳播，科技史，技術史，印刷史

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