

研究論文

你唱的是什麼科技爭議？台灣反核音樂人傳播的科學知識民主化意涵

黃俊儒

摘要

晚近台灣許多科技爭議的社會運動中，逐漸看見越來越多藝文人士的參與，在運動中鼓舞民眾、激勵情緒。這些文化展演的活動具有催化民眾關心社會事務的功能，並能作為促進議題討論的邊界物角色，其過程及作用值得進一步的瞭解。

本文以台灣反核運動中的音樂為例，透過參與樂手的深度訪談，輔以現場觀察、歌詞文本及線上影音等資料為基礎，分析音樂工作者參與反核運動的過程及所秉持之科學知識民主化類型。研究結果發現音樂工作者參與反核運動的主要理由包括：長期的社會運動關懷、情境事件的激發以及人際網絡的串連關係，在科學知識民主化類型上，則包括政治懷疑論、風險機率論、生命哲學論、科技發展省思論及任務分工論等型態。綜合研究的結論，本文進一步提出科技爭議的社會運動中的文化展演如果可以含括預測性知識、可協商知識及可擴充知識的表達，對於民眾的科學知識民主化及社會厚實型知識的形成將會有更多積極與正面的幫助。

關鍵詞：科技爭議、邊界物、反核運動、科學知識民主化

黃俊儒（教授）。國立中正大學通識教育中心。研究興趣：科學傳播、公眾科學理解、流行文化中的科學。電郵：cjhuang@ccu.edu.tw

論文投稿日期：2015年11月5日。論文接受日期：2016年7月29日。

Research Article

What Technological Controversies Do You Sing? The Implications for Democratization of the Science Knowledge Communicated by Taiwan's Anti-Nuke Movement Singers

Chun-Ju HUANG

Abstract

In recent decades, an increasing number of cultural workers and artists have joined social movements centered on technological controversies to inspire the participants' enthusiasm. Cultural performance not only motivates the public's concern about social events but also plays the role of a "boundary object" to improve the public's discussions about related issues. These phenomena are investigated in a case study of the anti-nuke movement in Taiwan. The data were collected in-depth interviews with singers, participant observations, lyrics, and video archives. The process by which the singers participated in the movement was analyzed, and the democratized science knowledge they possessed was categorized. The categories of democratized science knowledge included political skepticism, risk probability, life philosophy, reflections about technological development, and division of labor. The results showed that the reasons that the singers participated in the movement included long-term concerns about the social movement, the stimulation of the context of the event, and friendship networks. These results indicate that if the cultural performance in a social movement centered on technological controversy involved predictable knowledge, negotiable

Chun-Ju Huang (Professor). Center of General Education, National Chung Cheng University. Research interests: science communication, public understanding of science, science in pop culture.

The Implications for Democratization of the Science Knowledge

knowledge, and expandable knowledge, the democratization of science knowledge would be enhanced and socially robust knowledge could be constructed in a proactive and positive manner.

Keywords: technological controversy, boundary object, anti-nuke movement, science knowledge democratization

Citation of this article: Huang, C.-J. (2017). What technological controversies do you sing? The implications for democratization of the science knowledge communicated by Taiwan's anti-nuke movement singers. *Communication & Society*, 41, 149–179.

致謝

感謝科技部MOST 104-2511-S-194-001-MY3 計劃補助，使本研究得以順利完成。計劃助理賴雁蓉小姐在研究訪談及資料搜集上提供重要協助，特此一併致謝。

中文大學出版社：具有版權的資料