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Yibao Xu* (yxu@bmcc.cuny.edu), 199 Chambers Street, New York, NY 10007. *Mathematics in the Republic of China: A Centennial Overview*. Preliminary report.

The Republic of China (ROC) was founded on January 1, 1912. This year the AMS/MAA annual meeting coincides very nearly with the centennial birthday of the ROC. In celebrating this special event, this talk provides a centennial overview of the development of mathematics in the ROC. The talk first outlines the modernization of Chinese mathematics through the lens of study-abroad programs and the creation of mathematical institutions for higher mathematics and research in mainland China. After Japan was defeated in 1945, Taiwan was returned back to China. As a consequence of losing the civil war, the ROC under Chiang Kai-shek retreated to Taiwan. Since 1949, the territory under the control of the ROC basically is the island of Taiwan. The talk then provides a sketch of the establishment of mathematical institutions at universities. It also highlights mathematical contributions made by mathematicians in Taiwan. The third part of the talk showcases how the USA helped the development of mathematics in Taiwan through efforts of Chinese-American mathematicians and also by training younger generations of mathematicians from Taiwan. The last part of the talk focuses on the localization and internationalization of mathematics in Taiwan in the last two decades. (Received September 22, 2011)