

Meteorological Data in Taiwan since 19th Century -The Confidential Book of "Summary Report of Meteorological Data in Taiwan"

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Taiwan was ruled by Japanese Empire for 1895 to 1945, thus the modern records of meteorology were written by Japanese language. Therefore it is quite difficult for Taiwanese scientist to research the original data.

Then the books of "Summary Report of Meteorological Data in Taiwan", vol.1 (1897-1952) and vol.2 (1951-1960) were published by Taiwan Provincial Weather Bureau (now Central Weather Bureau), but these books were the confidential ones, thus it was also quite difficult for scientists to use them. Because these books are written by Chinese mandarin and English, thus we guess that these books were concern to American forces, especially American Navy.

We found that National Taiwan University has only vol.1 and National Cheng-Kung University has the both. Thus we researched the library of National Cheng-Kung University in Tainan, and then we found these books were sent the university in 2002. The vol.2 was published in 1961, that is to say, it already passed 40 years, thus these books were perhaps opened and were sent to universities. Anyhow, these books had opened only several years, most of scientists had not known them, therefore we would like to introduce them.

There are 23 weather stations in Taiwan, and these books described 41 items every month. These are air pressure, temperature, vapor pressure, humidity, wind velocity and so on.

The Taipei station is the oldest one in Taiwan, it was founded in 1896. If we research the changing of temperature since 1897, we can know the global warming in Taiwan.

Keywords: meteorological data; the Government-general in Taiwan; Japanese Ruled period; Taiwan Provincial Weather Bureau.

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