

LWL Sharing (2018-2019 1st term)

曾尉其



These are three silvery containers, which has water in it. They are used for measuring the evaporation rate. For improving the accuracy of result, there are some stings to prevent wild animals drinking the water.

何思穎



It is used to find how much rain falls automatically. However, it cannot find how much rain falls when the rain isn't enough 0.5mm.

陳妍熙



In the past, people fill in balloon with helium and link it with radiosonde. It used to test for temperature, relative humidity and air pressure.

林錦洋



The day of visiting The King's Park Meteorological stations. This photo shows one of the meteorological measures. This item is used to measure the wind speed. It is about 20 metres high.

黃鍵麟



It is a evaporating dish. There are three same devices in the King's Park Meteorological Station. It is used to predict the evaporation rate of the drinking water in the reservoirs to ensure a stable water supply in HK.

楊錫鈞



A Mercedes-Benz Sprinter, registration number AM3066, is charging the apparatus for collecting meteorological data in different districts at different time.

勞祉婷



It is used to measure the evaporating rate to estimate the size of reservoir. There will be possible error that birds or cats may drink the water.

黃穎欣



It is a rain container in large form. It has a scale under it in order to measure the weight of the rainfall.

黎嘉樂



Those are the Evaporative Pans which are used to calculate the rate of evaporation. The data can help to know about the rate of evaporation of the reservoir.

黃思恒



The apparatus that measure the evaporation rate.

陳琮玉



This photo shows four food samples, including meat and rice, which will be used for testing the amount of radioactive chemicals in the air.

陳美君



The 0.5mm Tipping Bucket Rain Gauge can collect precipitation cumulatively. Once the bucket is full, it would tilt and another bucket would continue to record.

鄭尹情



After the visit, I learn how to measure the rainfall. There are total of three ways. Surprisingly, the traditional way is the most accuracy.

周曉滢



There is a radiation detector inside it which can detect the level of radiation from the environment. It can show if the radiation is harmful to human body.

徐展希



Rainwater is collect in the containers on the left. Someone then takes out the container to measure the amount of rainfall. The containers on the right are used to measure the rate of evaporation. They have pointy edges to keep animals away.

林俊樺



It is a device which can measure the wind speed of Hong Kong locate in King's Park. It could estimate the size of typhoons to determine the strength of it.

廖洪政



After listening the introduction, I have learnt the basic uses of the techniques and how the detector can measure the things that can't measure by normal techniques like radiation.

馬炯強



It is a balloon room that fill balloon when the automatic machine is not working. It has a large space to fill the big balloon.

陳義鈞



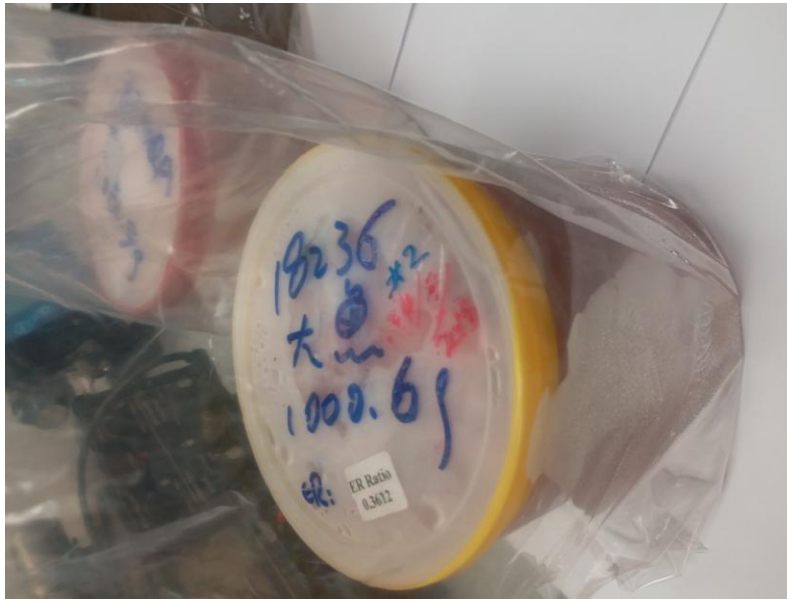
This is a setup to collect air particles with radioactive substance. Filter paper inside will help filter the particles.

陳柔錡



An automatic upper-air sounding system which regularly at 8:00 a.m. and 8:00 p.m. every day releases a weather balloon carried radiosonde which can measures wind speed, temperature and humidity for collecting data.

郭恩盈



This is a sample of fishes collected from the sea to test for natural radiation. There are a few source of natural radiation including land, ocean and the outer space. The container is specially designed for the testing machine.

鄭婉琳



It is an equipment to measure the evaporation rate. The data help to evaluate the evaporation rate of reservoirs, which is one of the main water supplier.

林婉莹



This is the container made up of lots of lead which can prevent other rays getting into inside of the container and affecting the results of experiment.

李柏圻



Evaporation Pans are placed under the sunlight to measure the rate of evaporation. There are some pins around to prevent birds and cats drink the water and affect the result.

吳巧寧



This is the machine that can detect temperature automatically, including the air temperature, the temperature of human during sweating, and the temperature we feel under the sun.

謝綽盈



This is the wet-bulb globe temperature which the two closer apparatus were a type of apparent temperature used to estimate the effect of temperature, humidity, wind speed, and visible and sunlight on humans, while the further apparatus is used to measure real temperature around.

謝子聰



This apparatus is used to demonstrate the evaporation rate of reservoirs in HK so as to calculate the humidity on that day. Metal-Spikes are presented around to prevent birds.

李學謙



This is the radar in Hong Kong Observatory King's Park Meteorological Station. It is used to receive the electromagnetic wave, which is radio wave from other stations. It is located on the hill and away from residential units because it may interrupt the building's radio wave.