

Second Exhibition Room: List of Collections

Research and traditions at the time of the founding of the Imperial College of Agriculture and Forestry, Morioka

The tradition of the research on cold summer damage at the Imperial College of Agriculture and Forestry, Morioka and Kenji Miyazawa (panel)

I. Introduction (panel)

II. President Tamari's work to address crop failure (panel)

Materials on President Kizo Tamari's work on cold summer damage and crop failure (copy, in a showcase)

President Tamari's collection, "Reference Materials for the Study of Crop Failure"

Kizo Tamari, Tohoku Development Policy, Study on Crop Failure, Policy on Crop Failure

III. Toyotaro Seki and his study on cold summers leading to crop failure (panel)

Toyotaro Seki's research materials on cold summers leading to crop failure (copy, in a showcase)

Toyotaro Seki, "Report on the Survey on the Cause of Crop Failure: Relationship between the Failure in Tohoku and the Tide on the Coast" (Government Journal #7134, 1907)

Toyotaro Seki, "Causes of Crop Failure in Tohoku"

"Problems with predicting the climate" 1. 2

"The climate cannot be predicted several months into the future."

Reading Dr. Inagaki's "New Theory on Predicting Rice Cultivation"

Hirotao Ando, "The Causes and the Prediction of Low Temperatures in the Summer that Cause Crop Failure in the Tohoku Region"

Kichisaburo Endo's materials on the harvest and currents

IV. Criticism of the theory by President Tamari and Seki and the development of Seki's theory (panel)

Kichisaburo Endo, "The Relationship between Harvest and Currents in Rice Cultivation in the Tohoku Region" (1-4) Front cover and parts of the figures (copy, in a showcase)

V. Kenji Miyazawa and cold summer damage and crop failure (panel)

VI. Conclusion (panel)

Specimens of rice damaged in a cold summer (in a showcase)

Academic papers crop failure (copy)

Specimens of rice affected by the 1934 cold summer (Shibutami-mura in Higashiiwai-gun and Fujine in Waga-gun)

Specimens of rice affected by the 1993 cold summer (Hitomebore, Akihikari, Fujiminori, Akitakomachi)

Memento of President Katsuji Uemura

100 Stories of Trees. Seibido, 1918

Studies on Utilizing Forests 1-3. Seibido, 1918

Writings 1-4

Album

Materials on Dr. Umetaro Suzuki and Dr. Satoru Odake

Umetaro Suzuki was a professor at the Imperial College who discovered a vitamin.

Portrait of Dr. Umetaro Suzuki (reprinted photo, framed)

Offprint of Dr. Suzuki's paper

Principle of Fertilizer Studies. Seibido, a lecture at the Imperial College

Biography of Umetaro Suzuki. Asakura Publishing Co., Ltd., 1967

Umetaro Suzuki, "About Vitamins"

Lecture by Prof. Umetaro Suzuki (from a notebook by the eighth president, Yonezo Hasegawa)

Prices around 1897

Memento of Dr. Satoru Odake, a graduate from the Imperial College who was the first to crystallize the vitamin as an assistant of Umetaro Suzuki

Photo of Dr. Satoru Odake graduating from the Imperial College (1908): framed

Chemical experiment tools used during the time of the Imperial College (in a showcase)

Chemical experiment tools that Dr. Odake used for the crystallization of vitamins under Umetaro Suzuki

Accompanying notes for the memento of Dr. Odake (Dr. Shuzo Maruta)

Lab tools during the time of the Imperial College

Microscope (E.Leitz No.149664, 193323, 226213)
Portable microscope (manufacturer unknown)
Microscope stage
Lighting equipment (TAKATIHO WORKS, Tokyo)
Sphygmomanometer (provided by the Veterinary Pharmacology Course: purchased in 1923)
Element samples (provided by the Fertilizer Studies Course: 1937)
Butter refractometer (Carl Zeiss No.4286, 18882) (1923)
Aneroid meter (Sugihara & Co., Osaka)
Vermier (manufacturer unknown)
Magnifying glass (Carl Zeiss)
"Dango" rocks (collected by Prof. Yonezo Hasegawa: 1935)
Hokutolite (specimens given by Mr. Onodera to Prof. Hasegawa: 1938)

Sextant, transit, hand-held sextant
Two manually powered calculators
Horseshoeing tools

Colorimeter by Duboscq
Chemical balance (for infinitesimal volumes)
Mitscherlich-Polarimeter

(On the desk): Charcoal specimens from various trees (68 varieties)

Dwarf bamboo specimens by Prof. Shigetaro Uchida

(Shigetaro Uchida graduated from the Department of Forestry to become a teacher at his alma mater. He engaged in dwarf bamboo research globally with Prof. Tomitaro Makino and others.)

Six dwarf bamboo specimens (collected by Prof. Uchida)

"Report on the Research Forest of the Iwate University Faculty of Agriculture" on these specimens

Rare bamboo specimens (on the wall, in a showcase)

Education, research and management of the Imperial College

First incoming students and first graduating students of the Imperial College of Agriculture and Forestry, Morioka (panel)

Class notebook of Yasaburo Kobe, the first graduate of the Faculty of Forestry

Two vests of Hidehiko Yasuoka, the fifth graduate from the Department of Agriculture

Field trip report (1910: by a student of the Department of Veterinary Medicine)

“What students should know at the Department of Agricultural Chemistry Lab”

Six academic reports during the time of the Imperial College

“Academic Report of the Imperial College of Agriculture and Forestry, Morioka I”

“Academic Bulletin of the Imperial College of Agriculture and Forestry, Morioka Alumni Association” (published in October 1923)

Material, “About the Yanagawa Disease”

The subject and the excerpt for the 1950 Japanese Society of Veterinary Science conference

Shunsuke Muramatsu and Kintaro Naruse, *The Latest Natto Production Method*

Scenes from lab training sessions in the Tenth Anniversary Publication 1-3 (panel)

<Administrative records of the Imperial College>

Account book of items (1905, 1911: Department of Veterinary Medicine)

Account book of items (1920 and after: Agricultural Manufacturing and Applied Mycology Lab (donated by the technical official, Chiba)

Account book of supplies

Record of student residence (1943 to 1944: Department of Veterinary Medicine)

1913 Accounting book of the Faculty of Veterinary Medicine

Application for approval for the establishment of Iwate University

Estimates (1949: Iwate University)

(On the floor):

Lab desks at the time of the Imperial College (used by Prof. Seki)

Student's desks (donated by Mamana Hatanaka: Repaired in September 2000)