

Date (日付)

\_\_\_\_\_  
Date/Month/Year :

05/10/2012

## Activity Report -Science Dialogue Program-

(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Andreas Frisch (ID No. P 11706)
- Participating school (学校名): Utsunomiya Girls Highschool \_\_\_\_\_
- Date (実施日時): 28/10/2012 \_\_\_\_\_
- Lecture title (講演題目): Experiencing Lichen Taxonomy \_\_\_\_\_

\_\_\_\_\_  
(in Japanese)

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

Lichens are fascinating symbiotic organisms which are generally less known by the wider public. Their complex ecology and physiology makes them ideal models to investigate and demonstrate basic principles in biology. Taxonomy studies the classification and phylogeny of organism like lichens. It provides crucial information on species needed, e.g., in other fields of biological research, nature conservation, agriculture, forestry, and pharmacy. The results of taxonomic research can also be utilized in text books for schools, universities and naturalists.

After a short introduction on lichens, my personal background and home country, the main part of the lecture consisted in an excursion, where the students were able to study and collect lichens in their school yard. Most lichens were found by the students on trees and shrubs, but we were also able to find lichens on soil and rocks including concrete. During the excursion, the students learned how to recognize lichens, how to distinguish between lichens and mosses and how to identify the main growth forms of lichens, which include beard lichens, shrub lichens, leaf lichens and crust lichens. In the laboratory the students could investigate the lichens with stereo microscopes, try to identify them with provided leaflets on common urban lichens species published by the National Museum of Nature and Science, and make some easy experiments in identifying the chemical compounds in lichens.

- Language used (使用言語): Englisch

- Lecture format (講演形式): Experiment with short Introduction

◆Lecture time (講演時間) 57 min (分), Q&A time (質疑応答時間) 3 min (分)

◆Lecture style(ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Short Introduction with Power Point presentation; Excursion to school yard; and examination of lichen specimens in the laboratory \_\_\_\_\_

◆Interpretation(ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

- by highschool teachers - \_\_\_\_\_

◆Name and title of accompanied person (同行者 職・氏名)

- no accompanied person - \_\_\_\_\_

◆Other note worthy information (その他特筆すべき事項):

- none - \_\_\_\_\_

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):