

Itinerary

Research Trip of KATAYAMA and SATOH in 1988

- May 30 (Mon.) SATOH left Fukuoka at 09:30 and KATAYAMA left Kagoshima at 10:55 by JL755 and arrived in Hong Kong at 13:00. Left Hong Kong at 14:45 by SQ051 and arrived Singapore at 18:05. Left Singapore at 22:05 by MK743. Overnight in air.
- 31 (Tue.) Arrived Mauritius at 02:45 via Colombo. Left Mauritius at 07:50 by MK536 and arrived Antananarivo, MADAGASCAR, at 08:30. Picked us up by officer of Embassy of Japan. Visited Embassy of Japan.
- June 1 (Wed.) Visited Département Recherches Agronomique, FOFIFA, Monsieur Rakotonjanahary XAVIER ROLAND. Discussed on agriculture status and research tour in Madagascar. Met Mrs. Yvonne RABENATOANDRO, Directeur, Département Recherches Agronomique, FOFIFA. Discussed on research tour and on authorization of seed transfer. Met Madame Ravaonoro SIMONE, Agronomist. Visited Institut de Linguistique Appliquée, Université de Madagascar. Met Prof. Zefaniasy BEMANANJARA, Directeur Général, and discussed on agriculture in Madagascar.
- 2 (Thu.) Met Mon. XAVIER and arranged tour with him. Visited Embassy of Japan.
- 3 (Fri.) Left Antananarivo at 08:00 by car. Mon. XAVIER kindly accompanied with us during the first scientific tour. Arrived at Mahajanga at 18:40 via Ankazobe, Antsiafabositra, Maevatanana. Observed upland rice field during the tour.
- 4 (Sat.) Left Mahajanga at 08:30 and returned here at 13:20. Observed fields of wild and cultivated rices and collected the seed of *O. longistaminata* (W1~W5) and *O. sativa* (C1, C2). Visited FOFIFA, Anbitolova, Lac Sacre. Left Mahajanga at 14:06 and arrived Marovoay at 15:58. Surveyed Experimental Field of FOFIFA, and met officers of FOFIFA. Collected the seeds of *O. longistaminata* (W6 [pre-matured grains] ~ W7 [matured grains]) and *O. sativa* (C3).
- 5 (Sun.) Left Marovoay at 07:50 and proceeded to north side about 21 km. Turned to southeastward and arrived Ambondma at 11:34. During the tour, observed and collected seeds of *O. longistaminata* (W8 [matured

- grains] ~ **W9** [pre-matured grains]) and *O. sativa* (**C4 ~ C7**). Left Ambondma at 12:05 and arrived Mampikony at 17:03. Collected seeds of *O. longistaminata* (**W10, W13, W14** [pre-matured grains] and **W11, W12** [matured grains]) and *O. sativa* (**C8~C11** and **C31**).
- 6 (Mon.) Left Mampikony at 07:25 and arrived Antsohihy at 17:40 via Port Berge Vaovao, Anjom. Observed upland and lowland fields. Collected seeds of wild rice, *O. longistaminata* (**W15, W18** [matured grains] and **W16, W17** [pre-matured grains]) and *O. sativa* (**C12 ~ C17**).
- 7 (Tue.) Started Antsohihy at 07:45 and arrived Bealanana at 15:20 via Antsahobe. Observed and collected seeds of *O. longistaminata* (**W19, W20**) and *O. sativa* (**C18 ~ C26**). Visited Agricultural Officers of Antsahobe and Bealanana. Left Bealanana at 16:02 and arrived Antsohihy at 18:50.
- 8 (Wed.) Left Antsohihy at 08:02 and arrived Befandrianana at 12:25 via Ankobakobaka. Left Befandrianana at 12:35 and arrived Antsohihy at 15:20. Collected seeds of wild rice, *O. longistaminata* (**W21 ~ W24**) and *O. sativa* (**C27**). Started Antsohihy at 15:31 and arrived Port Berge Vaovao at 18:00. Collected seeds of *O. longistaminata* (**W25**) and *O. sativa* (**C32**).
- 9 (Thu.) Left Port Berge Vaovao at 08:33 and arrived Maevatanana at 18:10 via Mampikony, Ambondramamy, Ambomanga. Collected seeds of *O. longistaminata* (**W26, W27, W29, W30, W31** [matured grains] and **W28** [pre-matured grains]) and *O. sativa* (**C28**).
- 10 (Fri.) Left Maevatanana at 07:08 and arrived Antananarivo at 16:42 via Antsifabositra, Razahimahatratra, Mahatsinzo, Ankazobe, Andranovelona. Observed upland and lowland paddy fields and upland crop fields. Collected seeds of *O. sativa* (**C29, C30**). Checked wild sorghum, Papilus, fibre crops. Contacted with FOFIFA by telephone. Visited Embassy of Japan.
- 11 (Sat.) Surveyed around Antananarivo. Observed upland and lowland field crops in the whole day at Antananarivo City. Mainly walked along the irrigation canal about 2 km. Collected seeds of wild rice, *O. longistaminata* (**W32**), but only pre-matured grains. Studied on native status and agriculture in Madagascar at National Museum. Contacted with Mon. Alfred RANOA and prepared the second trip for lac Alaotra and Fenerive directions.
- 12 (Sun.) Measured and checked the seeds of wild and cultivated rice species collected along the first trip for Maevatanana direction. Prepared the second trip for lac Alaotra.
- 13 (Mon.) Left Antananarivo at 08:06 and arrived Mahitsy at 09:01 and jointed

- with Mon. Alfred RANOA. Left Mahitsy and passed Antananarivo at 09:47, proceeded eastward. Observed upland and lowland agricultural practices. Arrived Moramanga at 12:20 and left here at 13:12. Arrived Ambatondrazaka at 17:23 via Vohidiala.
- 14 (Tue.) Started Ambatondrazaka at 07:22, and returned here 16:10 via Vohidiala, Tsinjoarivo, Morarano, Ambahitarivo, Antsapanimahazo, Anororo, Tanambe, Vohitraivo, lac Vohimen, Andrebakely, Imerimandroso, that is to say, a round-the-lac-Alaotra-trip. Surveyed many upland and lowland agricultural fields and lac Alaotra at Anororo. Collected seeds of wild rice (**W33~W39**) and cultivated rice (**C33~C37**).
- 15 (Wed.) Started Ambatondrazaka at 08:20 and proceeded northward. Arrived CALA, Complexe Agronomique du lac Alaotra, FOFIFA, Alaotra, at 08:40. Met Mon. Rabarimandimby BEROJO. Discussed on agricultural practices in these area and on research practices in this institute. Collected seeds of wild rice (**W40**) and cultivated rice (**C38~C40**). Left CALA at 09:39, accompanied Mon. BEROJO, and arrived Ambantsoratra at 09:50. Met Extention Officer, also accompanied with us. Left here and arrived Andranomena at 10:02, and called Extention Office. One Officer also accompanied with us. Arrived Imerimandroso at 11:20, and immediately turned back. Proceeded southward. Surveyed agricultural practices and collected seeds of wild rice (**W41 ~ W42**) and cultivated rice (**C41**). Called Andranomena and Ambantsoratra Extention Offices, and CALA. Arrived Ambatondrazaka at 14:00. Left here at 14:50 and arrived Antanimena at 16:15 and turned back. Arrived Ambatondrazaka at 17:25.
- 16 (Thu.) Left Ambatondrazaka at 07:56 and arrived Moramanga at 12:35 via Vohidiala. Surveyed upland and lowland agricultural fields. Collected seeds of cultivated rice (**C42~C49**). Left Moramanga at 13:34, and proceeded eastward. Arrived Brickaville at 17:06 via Beforona, Ramomafana. Collected seeds of cultivated rice (**C50~C53**).
- 17 (Fri.) Left Brickaville at 08:08 and arrived Tamatave at 10:30. Visited Agricultural Office. Left here at 12:42 and arrived Fenerive at 16:42 via Mahavelona. Observed and collected seeds of wild rice (**W43** and **W44**) and cultivated rice (**C54~C62**).
- 18 (Sat.) Started Fenerive at 08:20, proceeded northward, and arrived Soanierana-Ivongo at 11:05. Visited Agricultural Office. Surveyed this area. Left here at 11:24, and proceeded southward. Returned Fenerive at 12:30. Left Fenerive at 13:23 and proceeded to mountain area. Arrived Anosibe Village at 14:30 via Garaseck Village. Surveyed upland and lowland agricultural areas. Collected seeds of cultivated rice (**C63 ~ C76**). Left Anosibe at 14:55 and arrived Fenerive at

- 16:23.
- 19 (Sun.) Left Fenerive at 08:07 and arrived Tamatave at 12:30. Surveyed and collected seeds of wild rice (**W45** and **W47** [matured grains] and **W46** [pre-matured grains]). Left Tamatave at 13:18 and arrived Brickaville at 17:14. During the trip, surveyed upland and lowland crop fields, and paddy field, and collected seeds of cultivated rice (**C77~C80**).
- 20 (Mon.) Left Brickaville at 05:57 and arrived Ranomafana at 06:35. Called Agricultural Office. Left here at 07:12 and arrived Antananarivo at 11:18 via Beforona, Moramanga, Ambatolaora. Observed upland and lowland agricultural fields, not only rice but also vegetables, fruits. Visited FOFIFA Office and met Mon. XAVIER. Reported on scientific survey during the second trip. Discussed cultivated rice and wild rice species, and agricultural statuses. Prepared the third trip for upland rice survey for Antsirabe direction. Called Embassy of Japan.
- 21 (Tue.) Stayed Antananarivo in the whole day. Measured the seed samples collected during the second trip for Ambatondrazaka and Fenerive directions. Prepared the third trip for mountain area.
- 22 (Wed.) Left Antananarivo at 07:44 and arrived Ambatorapy at 12:40. Observed upland rice field and fruit, vegetables and fibre crop fields. Collected seeds of cultivated rice (**C81~C88**) during the course. Left here at 14:00 and arrived Antsirabe at 17:50. Observed many kinds of upland fields. Collected seeds of cultivated rice (**C89, C90**) during the course.
- 23 (Thu.) Left Antsirabe at 07:08 and arrived lac Tritriva at 09:00 via lac Andraikiba. Observed upland field and soil structure. Left lac Tritriva at 09:30 and returned Antsirabe at 11:00. Visited experimental field of FOFIFA, 5 km north from Antsirabe. Observed upland field and collected seeds of cultivated rice (**C91~C97**) during this course. Surveyed near the city. Left Antsirabe at 11:10 and arrived Ilaka at 13:00 via Antalaviana and arrived Ambositra at 15:10. Surveyed upland field, bricks making, paddy field controlled by new project. Visited Agricultural Experimental Station and ODR, (Operation de Developpement Rizicole) Ambositra. Surveyed lowland paddy field and collected seeds of cultivated rice (**C98**). Visited Handicraft Museum.
- 24 (Fri.) Left Ambositra at 08:15 and arrived Antsirabe at 11:30 via Antalaviana, Ilaka. Surveyed upland terraces, especially wheat field. Checked swamp and home gardens. Studied lowland paddy field, preparation of potatoes planting and their alternation program. Left Antsirabe at 12:54. Surveyed upland crops, especially many kinds of fruit trees. Arrived Kianjasoa at 14:32. Met Agricultural Officer,

- Mon. Raharison MARC (ODR, Operation de Developpement Rizicole) and discussed agricultural practices in this area, especially rice culture. Collected seeds of cultivated rice (C99). Got informations of rice culture in Faratsiho and Analavary. Left Kianjasoa at 15:10 and passed Sambaina at 15:50. Surveyed vegetables production. Arrived Antananarivo at 18:13 via Ilenpona, Ambatolampy.
- 25 (Sat.) Stayed Antananarivo in the whole day. Arranged the data in the several items during the trips. Measured seed samples collected during the three trips.
- 26 (Sun.) Stayed Antananarivo in the whole day. Arranged the information got in the trips. Surveyed outskirts of Antananarivo.
- 27 (Mon.) Visited FOFIFA and Met Mon. XAVIER. Made collection list and separated seeds into two parts, one to FOFIFA and another to Kagoshima, under supervision of Mon. XAVIER. Prepared the preliminary report and permission of seed transfer to Japan. Visited National Geographical Research Office and book office. Got several materials. Met Madame and Professor BEMANANJARA, Directeur Général, Institut de Linguistique Appliquée. Discussed on traditional rice cultivation.
- 28 (Tue.) Visited National Geographical Research Office again and got several informations. Visited FOFIFA and called Madame SIMONE and Mon. XAVIER. Prepared permission of seed transfer. Called Mon. RASO-LONDRAIBE, Ministre de la Recherche Scientifique et Technologique pour de Developpement. Discussed on agricultural practices, rice cultivation and genetic resources in Madagascar. Further research cooperation between Madagascar and Japan on scientific research. Visited Embassy of Japan. Received authorization letter of seed transfer to Japan through the kindness of Officers concerned.
- 29 (Wed.) Visited Université de Madagascar by introduction of Prof. BEMANANJARA. Met Prof. Renè RABEZANDRINA, Docteur-ingénieur, Chef du Département Agriculture. Discussed on agricultural practices in Madagascar. Contacted with Embassy of Japan. Left Antananarivo, MADAGASCAR, at 16:08 by MD738 and arrived Nairobi, KENYA at 20:10 via Comoros.
- 30 (Thu.) Got several informations on agricultural practices in KENYA at offices concerned. Left Nairobi, KENYA, at 12:12 by KQ482. Arrived Dar es Salaam, TANZANIA, at 14:02 via Mombasa. Kindly picked us up by Mr. SHIBUTA, Embassy of Japan. Met Mr. H. M. CHING'ANG'A, Acting Director General, TARO, Tanzania Agricultural Research Organization, HQTS. Discussed on research tour in Tanzania about

- 40 days.
- July 1 (Fri.) Visited Immigration Office. Visited TARO HQTS, Tanzania Agricultural Research Organization and met Dr. G. H. SEMUGURUKA, Director General, TARO, and Mr. H. M. CHING'ANG'A. Discussed on agricultural practices in Tanzania and cooperative relationships between Tanzania and Japan, especially research of genetic resources of rice. Visited Embassy of Japan and JICA, Japan International Cooperation Agency. Met Mr. IIZUKA and asked his cooperation. Got informations of several items concerned agricultural practices.
- 2 (Sat.) Called again Immigration Office. Visited TARO and Met Mr. CHING'ANG'A. Made arrangement with him for the research project of the following 40 days. Visited UTAFITI, Tanzania National Scientific Research Council. Met Mrs. A. E. LYARUU, Scientific Officer. Got Official Permission for field survey. Asked permission of seed transfer to Japan after field survey. Visited Office of Air Tanzania and prepared domestic air flights.
- 3 (Sun.) Stayed Dar es Salaam in the morning. Prepared field survey for 40 days. Left the city at 15:30 and arrived northeast coast in the city. Surveyed upland field. Returned to the city at 18:00.
- 4 (Mon.) Left Dar es Salaam at 10:30 after visiting TARO and JICA. Arrived Ifakara at 20:30 via Chalinze, Morogoro, Mikumi. Observed wild and cultivated rice field and collected the seeds of wild rice, *O. longistaminata* (W48). Visited TARO, Ifakara and met Acting Director and Mr. D. ILAILA.
- 5 (Tue.) Visited office of TARO, Tanzania Agricultural Research Organization, Katrin, Ifakara. Discussed on agricultural practices in this area and research activities in TARO. Prepared field survey in Tanzania. Surveyed in Ifakara Region, especially wild and cultivated rice fields. Collected seeds of wild rice, *O. longistaminata* (W49~W52) and cultivated rice (C101). Left Ifakara at 13:34 and arrived Mikumi at 18:00. Mr. ILAILA kindly accompanied with us during the trip. Collected seeds of cultivated rice (C102~C106).
- 6 (Wed.) Left Mikumi at 08:12 and arrived Iringa at 11:30. Left Iringa at 12:30. Surveyed outskirts of Iringa. Arrived Mbeya at 18:00 via Mafinga, Makambako, Igawa, Chimala.
- 7 (Thu.) Started Mbeya at 08:27 and arrived Lake Rukwa, Nkanga Village at 12:40 via Mlowo (09:36), NAFCO (National Agriculture and Food Corporation) Mbozi Maize Farm, Mbozi (10:00), Ivuna (12:12). Left Nkanga Village at 13:40 and returned Mbeya at 18:14. Observed wild rice and several agricultural practices. Collected seeds of cultivated rice (C107).

- 8 (Fri.) Started Mbeya at 08:21 and arrived Lake Nyasa at 11:50 via Tukuyu, Kyela. Visited Agricultural Office. Turned Lake Nyasa at 12:22 and arrived Mbeya at 16:50. Surveyed upland and lowland agricultural practices. Collected seeds of wild rice, *O. longistaminata* (W53 ~ W55), and cultivated rice (C108 ~ C113). Visited Livestock Department of Government and got informations on agricultural statuses.
- 9 (Sat.) Left Mbeya at 08:30 and arrived Mbarari at 14:36 via Chimala, Ihahi, Igawa. During the course, observed the agricultural fields and collected seeds of wild rice, *O. longistaminata* (W56) and cultivated rice (C114). Visited NAFCO, National Agriculture and Food Corporation and met Mr. MORIOKA and Mr. SACHI of JOCV. Surveyed Experimental Field, research activities, collected seeds of wild rice, *O. longistaminata* (W57) and *O. punctata* (W84), and cultivated rice (C115 ~ C124). Left Mbarari at 15:41 and arrived Iringa at 19:57 via Igawa, Makambako.
- 10 (Sun.) Started Iringa at 08:20 and arrived Msembe Ferry at 11:40. Passed over Ndonji River. Visited Head Quarters of Ruaha National Park. Surveyed savannah area and small habitat of wild rice. Left Msembe at 17:00 and arrived Iringa at 20:06 via Idodi. Collected seeds of cultivated rice (C125, C126).
- 11 (Mon.) Left Iringa at 09:03 and arrived Dodoma at 17:08 via Izazi, Kogefia, Mtera. Surveyed upland agricultural field.
- 12 (Tue.) Stayed Dodoma in the whole day. Measured seeds collected and checked data got during the trip. Prepared the following tour. Car repaired on a large scale.
- 13 (Wed.) Visited Capital Development Authority, Dodoma. Met Mr. MORINAGA, Specialist in the office. Discussed agricultural prospects in this area and development project. Left Dodoma at 09:27 and arrived Singida at 17:57. Observed upland and lowland fields concerned agriculture, especially upland rice. Collected seeds of wild rice (W85 ~ W87), only *O. punctata* today, and of cultivated rice (C127 ~ C132).
- 14 (Thu.) Left Singida at 10:30 after repair car and arrived Nzega at 17:25 via Shelui, Igunga. Observed swamp, wild and cultivated fields and savannah areas. Collected seeds of wild rice, *O. longistaminata* (W58) and *O. punctata* (W88), and cultivated rice (C133 ~ C137).
- 15 (Fri.) Left Nzega at 07:10 and arrived Kibondo at 17:05 via Kahama, Bukombe, Nyakanazi. Observed pond, swamp, upland and lowland fields. Observed in several sites and collected seeds of wild rice, *O. longistaminata* (W59, W60) and cultivated rice (C138 ~ C142).
- 16 (Sat.) Left Kibondo at 07:25 and arrived Kigoma at 14:55 via Kasulu. Observed tributary areas of Malagarasi River, and upland and lowland

- rice fields. Collected seeds of *O. longistaminata* (**W61**, **W62**). Visited government office for getting informations about agricultural practices and distribution of wild rice.
- 17 (Sun.) Started Kigoma at 09:08 and arrived Ujiji at 09:20. Made hearing and observation in the waste lands and wild rice area near Lake Tanganyika. Collected seeds of wild rice, *O. longistaminata* (**W63** ~ **W65**) and cultivated rice (**C143** ~ **C144**). Left Ujiji at 10:53 and arrived Kigoma at 12:27 via Livingstone Avenue. Arranged and measured the materials collected.
- 18 (Mon.) Arranged the data collected during the trip. Prepared the following trip.
- 19 (Tue.) Left Kigoma at 09:15 and arrived Uvinza at 15:00 via junction for Kasulu and junction for Kigoma (New Road). Observed growing habitats of wild and cultivated rices. Collected seeds of wild rice, *O. longistaminata* (**W66** [matured grains], **W67** [pre-matured grains]), and *O. punctata* (**W89** [pre-matured grains]). Surveyed along Malagarasi River and market. Left Uvinza at 15:30 and arrived Kasulu at 17:21 via junction of Kigoma (2 roads).
- 20 (Wed.) Left Kasulu at 08:10 and arrived Biharamulo at 18:12 via Makere, Nyakanazi, junction to countries RWANDA and BURUNDI. Observed mainly swampy area and tributary of Malagarasi River. Collected pre-matured grains of wild rice, *O. longistaminata* (**W68**).
- 21 (Thu.) Checked swampy area in riverside of Biharamulo City. Seached taro and banana plantations. Left Biharamulo at 10:27 and arrived Busisi Ferry at 19:13 via Geita. Observed swampy area and paddy field. Collected seeds of wild rice, *O. longistaminata* (**W69**) and cultivated rice (**C145**). Left Busisi Ferry at 21:30 and arrived Mwanza at 23:00.
- 22 (Fri.) Started Mwanza at 07:42 and arrived Sengerema at 10:50 via Kamanga Ferry, Nyagombe, Ibondo, observing upland field. Surveyed rice field and collected seeds of cultivated rice (**C146** ~ **C150**), during this course and Sengerema Town. Left Sengerema at 11:37 but returned Sengerema at 12:30 as a result of car trouble. Left here again at 14:02. Arrived Mhaluzi at 15:30 via Kakurgusi. Surveyed and collected only pre-matured seeds of wild rice, *O. longistaminata* (**W70**, **W71**). Observed upland and lowland paddy fields and collected seeds of cultivated rice (**C151** ~ **C153**). Returned Mhaluzi at 15:52 and arrived Busisi Ferry at 17:40. Left here at 19:17 and arrived Mwanza at 20:32 via Kikongo. Observed upland and agricultural fields.
- 23 (Sat.) Left Mwanza at 08:36 and returned here 10:07 after 25 km trip owing to car trouble in large scale. Left here again at 11:04. Surveyed wet and dry areas, upland and lowland agricultural fields. Collected seeds

- of wild rice, *O. longistaminata* (**W72**, **W75**, **W76** [pre-matured grains] and **W73**, **W74** [matured grains]) and of matured grains of *O. punctata* (**W90** ~ **W94**). Also collected seeds of cultivated rice (**C154** ~ **C160**). Arrived Bunda at 16:35 via Maru, Nyalikungu, Nyashino. Observed habitats of wild and cultivated rices, and collected seeds of cultivated rice (**C161**).
- 24 (Sun.) Left Bunda at 07:40 and arrived Ndabaka at 07:53. Observed habitats of swampy area. Started here at 08:14 and arrived Ngorongoro at 17:36 via Seronera.
- 25 (Mon.) Left Ngorongoro at 08:30 and arrived Mto Wa Mbu at 11:00. Visited Agricultural Office. Left here at 11:30 and arrived Magugu at 14:36. Turned here at 15:00 and arrived Arusha at 18:15 via Makuyani. Observed upland and lowland areas. Checked the habitats of wild rice. Collected seeds of cultivated rice (**C162** ~ **C165**).
- 26 (Tue.) Stayed Arusha in the whole day. Measured the seeds of wild and cultivated rice grains. Prepared the following trip.
- 27 (Wed.) Left Arusha at 06:28 and arrived Moshi at 15:07 after observation of upland and lowland fields. Visited KADC Project, Kilimanjaro Agricultural Development Center and met and discussed with Mr. HORIBATA on agriculture. Left Moshi at 16:14 and arrived Same at 18:14.
- 28 (Thu.) Left Same at 08:06 and arrived Ndungu at 12:37 via Kisiwani after observation of upland fields. Collected seeds of cultivated rice (**C166**, **C167**) at Gonja. Visited KONOIKE Construction Co., Ltd. Kindly helped car arrangement. Got informations of rice cultivation in these areas and suburbs. Left Ndungu at 16:13 and arrived Korogwe at 20:55 via near Lake Kalimawe, Kihurio, Monbo. During the course, observed the habitats of wild rice, and collected seeds of cultivated rice (**C168** ~ **C171**) at Kihurio, 5 km south of the habitat just above.
- 29 (Fri.) Left Korogwe at 04:28 and arrived Chalinze at 09:55 via Segera, Mbwewe, Msata, Bagamoyo. Observed upland field. Left Chalinze at 10:10 and arrived Dar es Salaam at 12:04. Checked habitats of wild rice and cultivated rice fields. Visited JICA Office and met Mr. S. IIZUKA. Got informations concerned on agricultural practices.
- 30 (Sat.) Staying Dar es Salaam in the whole day. Visited TARO Office and met Mr. CHING'ANG'A and Mr. D. ILAILA. Prepared the following trip. Called BA and TA Offices. Visited Immigration Office.
- 31 (Sun.) Stayed Dar es Salaam in the whole day. Measured the seeds of wild and cultivated rice species collected during the trip. Prepared the following trip.
- Aug. 1 (Mon.) Left Dar es Salaam Airport at 07:55 by TC300 and arrived Zanzibar Airport at 08:08. Started for field survey at 10:40. Called Ministry of

- Agriculture and got valuable informations for field survey. Visited Mtwango, Kilombero, Upenja, Bumbwi and related villages. During the trip, one Officer of the Ministry kindly accompanied with us. Observed upland and lowland fields. Collected seeds of wild rice grains, *O. longistaminata* (**W77**, **W78**, **W80** [pre-matured grains] and **W79** [matured grains]), *O. punctata* (**W95~W100**), and cultivated rices, *O. sativa* (**C172~C182**) and *O. glaberrima* (**C206**). Returned to Zanzibar City at 17:00.
- 2 (Tue.) Started Zanzibar City at 08:25 and proceeded northward. Arrived Mkokotoni at 10:50 via Mahonda, Donge. Turned Mkokotoni at 11:15 and arrived Zanzibar City at 14:42 via Donge, Mahonda, and east side of inland areas. During the trip, observed wild and cultivated rice fields and upland agricultural fields. Collected seeds of wild rice, *O. longistaminata* (**W81**) and *O. punctata* (**W101**, **W102**), and cultivated rice (**C183~C190**).
 - 3 (Wed.) Visited several government offices and got valuable informations on the agriculture of this island. Left Zanzibar Airport at 16:20 by TC339 and arrived Pemba Airport at 16:55.
 - 4 (Thu.) Visited Regional Office of Agriculture, and prepared permission of field survey. Started office for research at 09:00. Officers of the office and of Kilimo kindly accompanied with us during the trip. Visited Kibirinzi, Chake Chake, Ole. Called Ole Agricultural Experimental Station. Observed upland and lowland fields. Collected seeds of wild rice, *O. longistaminata* (**W82** [matured grains], **W83** [pre-matured grains]), *O. punctata* (**W103~W106**), and cultivated rice (**C191~C202**). Returned Pemba City at 12:50. Left Pemba Airport at 15:45 by TC943, and arrived Dar es Salaam Airport at 16:31.
 - 5 (Fri.) Started Dar es Salaam at 10:00 and arrived Ruvu at 12:27 via Mlandizi. Visited NAFCO, National Agriculture and Food Corporation. Discussed rice cultivation and research activities in these areas. Surveyed upland and lowland fields. Collected seeds of wild rice, *O. punctata* (**W107~W109**), and cultivated rice (**C203~C205**). Left Ruvu at 14:15 and arrived Dar es Salaam at 17:05.
 - 6 (Sat.) Stayed in Dar es Salaam in the whole day. Visited Embassy of Japan.
 - 7 (Sun.) Met Mr. D. ILAILA. Arranged and measured seed samples collected during the whole trips in Tanzania. Prepared preliminary report for UTAFITI.
 - 8 (Mon.) Stayed Dar es Salaam in the whole day. Visited TARO Office and met Mr. H. M. CHING'ANG'A and Mr. D. ILAILA. Discussed distribution of wild rice species, research activities in Tanzania, and research

project of cultivated rice, and *O. glaberrima* status in Tanzania. Got Official Permission Letter of Phytosanitary Certificate from Ministry of Agriculture. Visited UTAFITI and met Mrs. A. E. LYARUU. Reported project of field survey and brought forward the preliminary report concerned. Discussed further research planning and cooperation with Tanzania and Japan on the research project.

- 9 (Tue.) Stayed Dar es Salaam in the whole day. Visited Embassy of Japan, JICA Office and TARO Office. Reported finally research results of field survey. Prepared seed transfer to Japan.
- 10 (Wed.) Left Dar es Salaam, TANZANIA, at 10:02 by BA068 and arrived London, Heathrow Airport, UNITED KINGDOM, via Nairobi, KENYA.
- 11 (Thu.) { Visited Royal Botanic Gardens, Kew Herbarium. Met Drs. G. LI
& LUCAS, RENVOIZE, T. A. COPE, W. D. CLAYTON. Discussed re-
12 (Fri.) { search activities on genus *Oryza* in recent years. Studied taxonomic
status of genus *Oryza* by dry specimens, especially Type Specimens.
- 13 (Sat.) Arranged the data obtained in London, and prepared the materials for bringing back to Japan.
- 14 (Sun.) Left London, UNITED KINGDOM, at 15:00 by JL422. Overnight in air.
- 15 (Mon.) Arrived Tokyo, JAPAN, at 15:45 via Anchorage, USA. SATOH left Tokyo at 18:50 by JL385 and arrived Fukuoka at 20:40.
- 16 (Tue.) KATAYAMA left Tokyo at 08:30 by JL393 and arrived Kagoshima at 10:10.