

Biography of Mlle Toshiko Yuasa

Emi Kou (LAL/IN2P3)

CNRS, 24 November, 2008

Childhood: 1909-1919

- ✿ Born on 11th December 1909 in Tokyo
 - ▶ Father: an officer at the patent office and later an inventor of auto-spinning machine
 - ▶ Mother: from the family of Moribe Tachibana (famous historian and poet in the 18th century)



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1922 (12 years)

Education: 1920-1939

- ❧ *1927* Major in science at Tokyo “École Normale Supérieure” for women
- ❧ *1934* Diploma at Tokyo Bunrika Univ. (now Tsukuba Univ.) research in spectroscopy
- ❧ *1939* She passed the exam for the French governmental fellowship (BGF).



1927 (17 years)

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1933-34 (23-24 years)

Collège de France: 1940-1944

- ❧ *2nd March 1940*, she arrived in Paris after a month of sailing.
- ❧ *19th April 1940*, she was admitted to enter Collège de France and to work with Frédéric Joliot-Curie.
- ❧ *December 1943*, French PhD “Contribution à l’étude du spectre continu des rayons beta émis par les corps radioactifs artificiels”



1940 (30 years)

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1941 (31 years)

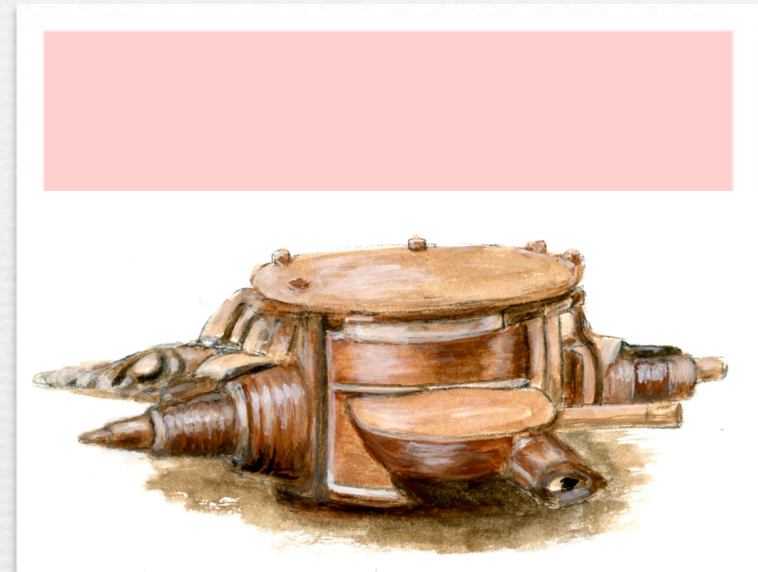
Berlin and return to Japan: 1944-1945

- ❧ *6th June 1944*, Normandy landing
- ❧ *15th August 1944*, evacuation of Japanese nationals to Berlin
- ❧ *Dec 1944-April 1945*, Berlin University: construction of double spectrometer
- ❧ *19th May, 1945*, sent to Japan by trans-Siberian railway



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Return to Japan: 1945-1949

- ❧ Teaching at Tokyo “École Normale Supérieure” for women (Ochanomizu Univ.)
- ❧ Research at Nishina Laboratory of RIKEN (interrupted in *Nov. 1945*)



CNRS: 1949-1980

- ❧ *5th May 1949* CNRS chargé de recherche, Collège de France
- ❧ *1972* CNRS Directeur de recherche, IPN (Orsay)
1975 CNRS Maître de recherche honoraire
- ❧ Recognition in Japan:
Japanese government,
1976, Medal (Shiju-hosyo).
1981, Order (Kun-San-tou)



1957 (47 years)

Two visits to Japan: 1967 & 1977

❧ *Aug-Oct 1967*

Aug-Oct 1977

These visits triggered two activities, for the French-Japanese relationship

- ▶ Literary activities
- ▶ Scientific collaboration



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Aug-Oct 1977

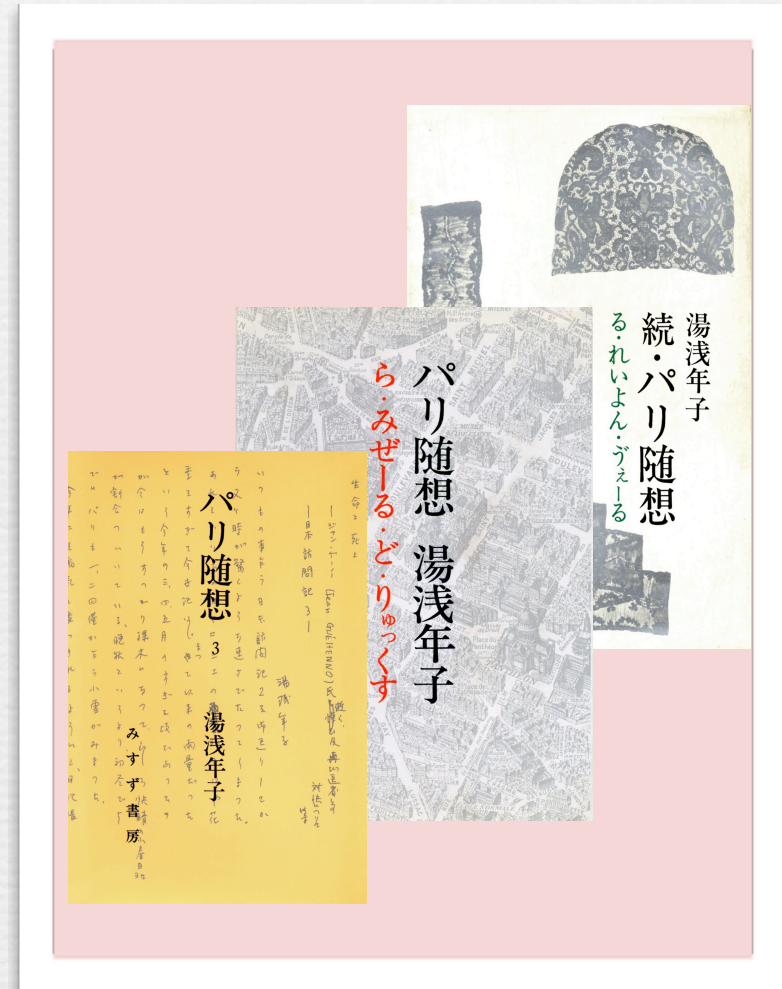
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Literary activities

- ❧ 1973, 77, 80, Three series of essay “Paris Zuisou (essays from Paris)” became a great hit.
- ❧ Over a hundred of articles for journals, magazines and news papers
- ❧ Translations (1946, “P. Curie” by M. Curie and 1970, “F. Joliot-Curie” by P. Piquard)



CNRS/JSPS collaboration: 1978-1980

- Proposal 1978: investigation of triplet interactions in fission of ^3H or ^3He by incident proton (Yuasa/Yanabu)

Two-spectator quasifree scattering process in the $^2\text{H}(d,pn)pn$ reaction at 108 MeV

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CNRS/JSPS collaboration: 1978-1980

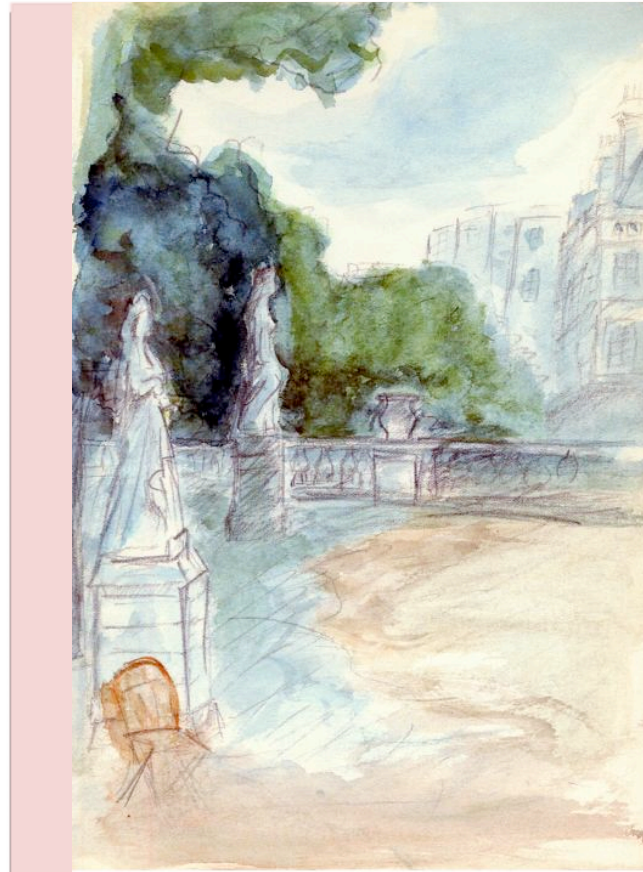
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Acknowledgements

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T. Yuasa: 1980-2008

- ❧ *1981-*, Yuasa's Archive at the Gender Study Centre of Ochanomizu Univ.
- ❧ *1995-*, Publication of the biography and the collection of poems, diary, paintings by Prof. Miwae Yamazaki
- ❧ *2002-*, Yuasa foundation was established by Prof. Mitsuo Sakai

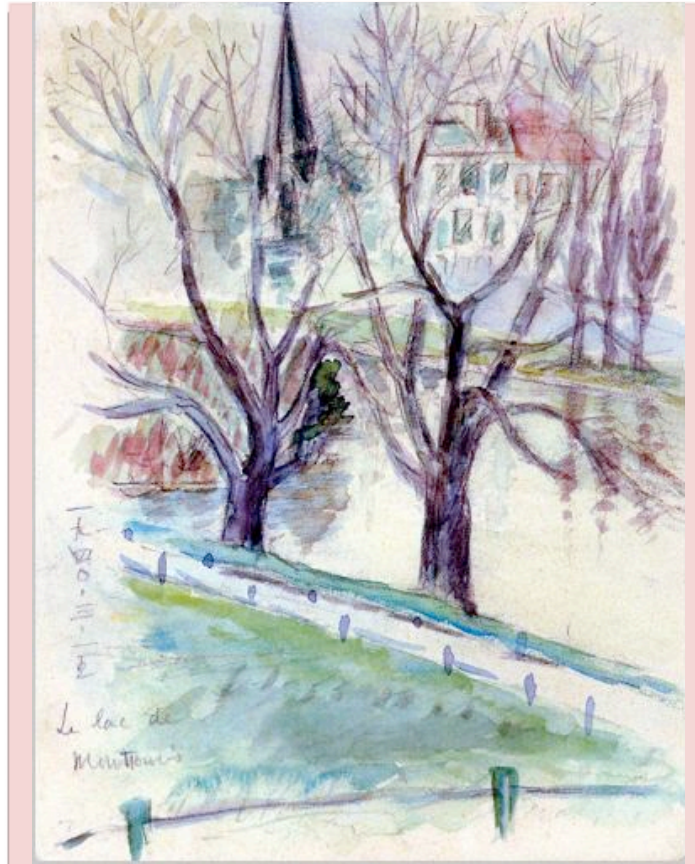


Jardin du Luxembourg

1951

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le lac de Montsouris 15/3/1940