

Natural and Cultural History of the Kuril Archipelago

Kuril Biocomplexity Project Synthesis Workshop

Parrington Commons (Par 308)

Monday, October 31 -- Wednesday, Nov. 2, 2011



A seminar and workshop on the ***Natural and Cultural History of the Kuril Archipelago*** in the Northwest Pacific Ocean. Scientific results on the integrated history of Volcanism, Tectonics (Earthquakes, Tsunamis), Oceanography, Climate, Ecology, and Human Settlement based on half a decade of international and interdisciplinary research.

Program

Day 1: October 31, 2011 – open to the public

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| 10:00 | Welcome, Introduction, Workshop structure, and Goals. Ben FITZHUGH | 12:00 | Geological structure of Kurile Islands: New insights from K-Ar ages of submarine volcanic rocks. Yoshihiro ISHIZUKA, Mitsuhiro NAKAGAWA, Akira BABA, Takeshi HASEGAWA, Ayumi KOSUGI, S. UESAWA, A. MATSUMOTO, and Alexander V. RYBIN. |
| 10:15 | Temporal frequency distributions as proxy records for population increase and decline: Issues of method and data quality. William BROWN, Ben FITZHUGH, Jennie SHAW | 12:30 | Volcanological investigations in the frames of Kuril Biocomplexity Project. Alexander V. RYBIN |
| 10:45 | Interpreting Kuril radiocarbon data towards an understanding of human-environmental and historical factors affecting human settlement history. Ben FITZHUGH and William BROWN | 1:00 | Two periods of synchronized, large, explosive eruptions after the last glacial stage in Kuril-Kamchatka are inferred from wide-spread tephra: Possible effect to climate and human history during Holocene. Mitsuhiro NAKAGAWA, Akira BABA, Yoshihiro ISHIZUKA, A. HASEGAWA, Vera PONOMAREVA, and Alexander V. RYBIN. |
| 11:15 | Epi-Jomon and Okhotsk Lithic Resource Procurement and Use in the Kuril Islands: A Comparison of Technological and Social Behavioral Adaptations. Colby PHILLIPS | | |
| 11:45 | Break | | |

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Day 1 – Oct. 31 [CONTINUED]

- 1:30pm Eruption history and temporal change of magma systems of Chikurachki and Fuss volcanoes, western Paramushir Island, northern Kurile Islands. **Takeshi HASEGAWA**, *Mitsuhiro NAKAGAWA*, *Mitsuhiro YOSHIMOTO*, *Yoshihiro ISHIZUKA*, *Wataru HIROSE*, *Sho-ichi SEKI*, *Vera PONOMAREVA* and *Alexander RYBIN*.
- 2:00pm LUNCH (in room) + Poster viewing (lunch provided for members/presenters)
- 2:30pm Holocene Environmental Changes on Kuril Islands. **Nadezhda G. RAZJIGAEVA**, *L.A. GANZEY*, *T.A. Grebennikova*, *N.I. Belianina*, *L.M. Mokhova*, *Kh.A. Arslanov*.
- 3:00pm Landscape Investigations of the Kurile Islands. **Kirill S. GANZEI**
- 3:30pm Frequency of tsunamis in the central Kuril Islands and along the Japan-Kuril-Kamchatka subduction zone. **Jody BOURGEOIS**, **Bre MACINNES**, , with many contributors, esp. *T. PINEGINA* and *N. RAZJIGAEVA*
- 4:00pm Ocean productivity and climate change during the Holocene in the Kuril Island region. **Bruce P. FINNEY** and *Jason A. ADDISON*
- 4:30pm Pollen records from Lakes of the Kuril Islands: Holocene paleogeographic reconstructions. **Anatoly V. Lozhkin**, *P.M. Anderson*, *P.S. Minyuk*, *A.Ju. Pakhomov*, *T.B. Solomatkina*
- 5:00pm Adjourn (see below for Dinner information)

Day 2: November 1, 2011 – morning:
Open to the public

- 9:00am Comments on Day 1
Ben FITZHUGH
- 9:15am Archaeological and historical overview concerning resource, subsistence, and settlement in the Kuril Islands
Kaoru TEZUKA
- 9:45am Archaeological collections from Early and Middle Jomon sites of the Southern Kurils in Sakhalin Regional Museum.
Olga SHUBINA
- 10:15am Common Law of Territoriality and the Right to Travel Freely Offshore.
Tetsuya AMANO, *Ben Fitzhugh*, *V. Shubin*
- 10:45am Social Networks as Adaptive Strategies in the Kuril Islands.
Erik GJESFJELD and *S. Colby PHILLIPS*.
- 11:15am BREAK
- 11:30am Public Education and the Kuril Biocomplexity Project: Exposing Science to the Next Generation by Working with Museums, Schools and the Internet.
Christophe BERTHOUD and **Ben FITZHUGH** and **the UW KBP team**
- 12:00pm Problems and Solutions in the Natural and Cultural History of the Kuril Islands
Ben Fitzhugh
- 12:30 LUNCH + Posters
(lunch provided for members/presenters)

POSTERS (available for viewing during breaks and lunches)

- Tephrostratigraphy of Kuril islands: Evaluation for Holocene explosive volcanism and spatial variation in silicic magma controlled by regional tectonic setting, **Mitsuhiro NAKAGAWA**, Akira Baba, Yoshihiro Ishizuka, A. Hasegawa, Ayumi Kosugi, and Alexander Rybin.
- Holocene ocean conditions along the Kuril Archipelago: insights from marine biogeochemical proxies of past primary productivity and environmental variability. **Jason A. Addison** and Bruce P. Finney.
- Fox Ecology and (Pre)History in the Kuril Islands: Intriguing Insights from the Kuril Biocomplexity Project, **Mike Etnier**
- Geochemical and descriptive analysis of Kuril Ceramics, **Erik Gjesfeld**
- Mobility, Insularity, and Animal Relations in Okhotsk Society, **James W. Taylor**

WORKSHOP DISCUSSION

(afternoon of Nov. 1 and all day Nov. 2)

From this point forward this workshop is devoted to closed scientific collaboration of Kuril Project team members. Others who would like to sit in should consult with Ben Fitzhugh.