

THE BULLETIN OF JSA

THE JAPAN SCIENTISTS' ASSOCIATION

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DISTRICTS' AND BRANCHES' ACTIVITIES

The JSA consists of 47 branches which are grouped into 9 districts, and they are independently and/or cooperatively carrying out their activities in addition to the headquarters' ones

1) MEMORIAL FORUM "INVESTIGATION OF TODAY'S FINANCIAL DEEP SLUMP" IN HYOGO
Hyogo branch held a memorial forum on the occasion of branch general assembly, May 17, 2009, where Prof. Nakatani (Univ. Marketing and Distribution Sci.) delivered a lecture on today's financial deep slump. The professor first pointed out that global financial crisis has been caused by widened economic disparities and securitization in US and globalization. As to securitization, he says that "moral hazard lenders and borrowers take no responsibility" has advanced, spurred by globalization and deregulation since 1980s, and the risky financial commodities have been worldwide spread, and finally the financial crisis covered the world. IMF says amount of loses reaches to \$200 trillion in the world. He next mentioned features of some countries' measures against the financial crisis. Some countries revived Keynesian effective demand policy as US (financial infusion of \$780 billion), Japan (\$14 trillion), and EU countries) so as to prop up business depression. Some reinforced regulation of financial institutes. For instance President Sarkozy requested to hold an international congress for information disclosure of hedge funds and the securing of transparency in credit rating agencies. Although it is difficult to say these measures are able to break through the financial crisis, he thinks that these pay off in financial aspect differently from the panic in 1929. Professor Nakatani finally proposed the financial structure should radically outgrow from the neo-liberalistic one, namely, surplus funds should be utilized not for worldwide speculation but as "social investment for tomorrow" to ameliorate labor conditions, enrich social security, support officially education, and reconstruct regional society. If Asian countries, especially Japan, divert the funds to domestic economic activities not to defective commodities of US, it would play a role to accelerate disarmament and taxation on the wealthy the Obama Cabinet is promoting. He claims that it would become an international contribution for US and other countries for Japan to embark on the road to social investment for "social investment for tomorrow".

2) LECTURE OF NOBEL LAUREATE MASKAWA REVIEWED IN FUKUOKA

After the plenary meeting of the Fukuoka branch on May 10, 2009 a lecture meeting was held for commemorating the prize winning of the Nobel Prize of Prof. Maskawa. The title of the lecture was "What do we learn from Prof. Maskawa's research, methodology and social action?" At the Kyushu-Okinawa symposium held on October 5, 2008 JSA discussed on the present condition of science and education. In the symposium Prof. Maskawa explained the birth of his six quarks model.

Dr. Okamoto (Kyushu Institute Tech.) explained "the spontaneous symmetry breaking" and "the CP symmetry breaking" of Prof. Maskawa's research. Next he presented plainly the historical review of physics, for instance, classic physics, quantum mechanics, field quantization theory and gauge theory

showing visual model of electron. He also explained the substance image in quantum mechanics and pointed out that Prof. Yukawa made light of mathematics, but Prof. Maskawa always mentions the importance of mathematical consistency and abstraction, introducing Prof. Maskawa's comments: "Nature is so fertile that the mathematically possible logic exist elsewhere in nature" and "formulation by abstract terms is basic matters for science methodology and the problems of democracy". He also introduced Prof. Maskawa's comments in the Kyushu-Okinawa symposium: "We should have foresight based on the scientific consideration and should try not to be wrong in the scientist movement and social movement by law converting and abstracting of past historical experience as fight with the fascism."

3) SPECIAL LECTURE ON THE OCCASION OF KANAGAWA BRANCH GENERAL ASSEMBLY

On May 16 at the branch office the branch held a general assembly, where a special lecture was given by Mr. Kajita (the senior director at NPO Kanagawa Research Institute) with the title "Socio-economical change in Kanagawa Prefecture and Matsuzawa prefectural administration." The significant socioeconomic situation around Japan is also seen in Kanagawa, and the reality is that state and local governments have shown inadequate reactions towards the difficulties of their citizens. Concerning the investigation held by the prefecture of Kanagawa, Mr. Kajita criticized the Matsuzawa prefectural administration for neglecting its residents. The living standards of the upper class have showed no shift while those of the upper-middle and lower-middle class have showed downward class movement for the last decade, according to a study. Also, prefectural citizens are pessimistic regarding their future, with many stating that they were unsatisfied with their lifestyle. The study also showed that 3.6% of households with children below school age fall in the range of having under 2,000,000 yen of income, 7.1% in the range between 2,000,000 yen and 3,000,000 yen, and 13.4% in the range of 3,000,000 yen and 4,000,000 yen. It is surprising how many people are forced to live under the poverty line. According to a private statistical survey, sorted by the number of the dispatched or subcontracted employees, those living under the poverty line engage in manufacture, wholesale, retail trade, service sector, transport, and construction. The manufacturing and service sectors have demonstrated an upward trend in recent years. The ratio of part-time employees to full-time employees has increased from 39.1% to 42.2% between 2001 and 2004. What kind of policies has Governor Matsuzawa proposed? He privatized prefectural hospitals and spread capital to large corporations under the Invest Kanagawa program. Although he intended to decrease the youth unemployment rate from 7.3% to 7%, he cut back on prefectural vocation schools from 8 to 2 in number, and agreed to collect the charge. One can hardly think that his policies aim at the expansion of job opportunities.

The propositions in Matsuzawa's political platform do not reflect the citizens' desires on education, economy, environment, self-governance, and many other issues. He is strongly urged to specify the issues and work with the movement to keep the people informed.

4) WELCOME LECTURE MEETING FOR NEW GRADUATE STUDENTS IN HOKKAIDO

The above lecture was held at Hokkaido University on May 21st, 2009. Prof. Hiroshi Okada (member of JSA, professor emeritus at Hokkaido Univ.) gave a speech entitled "Scientific research for pioneering young scholars in an era of rapid change: reducing disasters using the theory of plate tectonics, and progress towards geoparks."

Prof. Okada originally specialized in earthquakes, but he changed to the study of volcanoes after he went to help the local people after the 1977 Mt. Usu eruption. He spent the next 21 years at the site, during which time he was present for the 2000 eruption and provided information that was used in evacuation efforts. The local government was initially reluctant to publish a hazard map that he created, but after the 1985 Nevado del Ruiz eruption in Colombia (where despite the creation and provision of a hazard map to local officials 23,000 people died) and the 1991 pyroclastic flow from Mt. Unzen in Nagasaki, Japan, the government came to publicly support the map. He also discussed the registration of Mt. Usu as part of the Japan Geopark Network after the eruption, and used photographs and other materials

to show the history and state of disaster reduction. He explained that the three main purposes of geoparks are the protection and study of nature, education and edification, geotourism. The contents of his speech are collected in his recent book *Mt. Usu: Together with a Fire Mountain*, which went on sale the day of the speech.

This was the first meeting of this kind by the Hokkaido JSA, and unfortunately there were few in attendance. Reasons for this raised at a later meeting were a lack of organization and a failure to inform enough students of the event, resulting in an event that did not match the opinion and requests of the graduate students. It will be necessary for us to take these lessons into account when planning for the next meeting.

JSA^{NOW}
Briefings from organizers

SETO-UCHI SYMPOSIUM HELD

JSA committee of Seto-uchi held the 30th Seto-uchi Symposium at Matsuyama University on August 22 through 23, which was to investigate the way to revitalize region, society and environment in the area around Seto Inland Sea.

1) First day

[Keynote lecture] Dr. Yuasa (Chair) "Movement around Seto Inland Sea and 29 Seto-uchi symposia"

[Keynote report] Prof. Mitsudo "Toward the revitalization of region, society and environment in Seto-uchi area"

[Special report 1] Landscape history of Seto-uchi and the case of Tomo-no Ura

a) Prof. Kawaoka "Landscape history of Seto-uchi"; b) Prof. Tomii "The lawsuit for injunction against reclamation of Tomo-no Ura in Fukuyama City"

[Special report 2] Problem of remote islands and local medical care

a) Mr. Yoshikawa "A message from an island of blue lemon – A talk of one who returned to the island"

b) Prof. Tominaga "Medical care in Ehime Prefecture"

[Special report 3] Prof. Tanabe "Actual situation that business depression and employment destruction caused at Mizushima industrial area"

2) Second day

[Plenary session 1] Environmental problems in Seto-uchi area

a) Prof. Yano "A case of nuclear power plant at Kaminoseki, Yamaguchi Prefecture"

b) Prof. Goto "Relation between undergrowth of laver in breeding ponds and the heated effluent from thermal power plant at sea area of East Himeji"

c) Prof. Ito "Depuration of sea-floor using lugworm at Uwa Sea"

[Plenary session 2] Revitalization of region and society in Seto-uchi area

a) Prof. Shiwaku "Environmental study program aiming environmental revitalization of Seto Inland Sea"

b) Prof. Nakajima "Thinking of waste problem in Tokushima"

c) Prof. Toobe "Revitalizing Toyo Shima Island through cultural property"

31ST NATIONAL SYMPOSIUM ON NUCLEAR POWER PLANT PROBLEMS HELD IN NIIGATA

The research committee of energy and nuclear power problems and JSA Niigata branch organized the above symposium on September 5 through 6 at Niigata University with the main theme "nuclear power plant, great seismic hazard, and the quakeproof safety".

First day:

[Session 1] Lessons, actual status, and tasks on nuclear power and energy problem

a) Prof. Kobayashi (Niigata Univ.) "40 years of the Niigata nuclear power plant"

b) Prof. Noguchi (Nihon Univ.) "Nuclear fuel cycle and nuclear proliferation"

- c) Dr. Fukao (Shizuoka Univ., ret.) "Around regenerable energy"
- d) Prof. Suzuki (Niigata Univ.) "15 years of nuclear power plants in Niigata Prefecture and hereafter"

Second day:

[Session 2] Quakeproof safety of nuclear power plant and seismic hazard

- a) Mr. Mochida (Kashiwazaki city councilor) "Report of the seismic hazard scene at the nuclear power plant caused by the great earthquake off Chuetsu"
- b) Prof. Tateishi (Niigata Univ.) "Estimate of active fault and quakeproof safety of nuclear power plant"
- c) Prof. Yamamoto (Fukui Univ.) "Aseismic design of the structure and examination of the criteria"

[Session 3] Problems of nuclear power, nuclear fuel cycle and energy

- a) Dr. Iwai (Institute for Nuclear Study chapter) "Recent trend about plutonium-thermal project"
- b) Dr. Ichikawa (Institute for Nuclear Study, ret.) "Nuclear fuel cycle and fuel reprocessing problem, the past and now"
- c) General discussion

2009 SUMMER SCHOOL AT KUSATSU

The planning committee held the 2009 Summer School at Kusatsu, Gunma Prefecture, on September 4 through 8, with the main theme "Thinking of the human dignity through Hansen's disease problem and scientists' role".

SYMPOSIUM "EXPLORING THE SIGNIFICANCE OF THE CONSTITUTION IN THE 21ST CENTURY (5)" HELD IN TOKYO

The JSA ad hoc committee of the Constitution organized the above symposium entitled "Right to work and employment" on September 26 at Meiji University. Two speakers were invited to provide their opinions:

- a) Prof. Goto (social philosophy, Tsuru Univ.): "Unemployment and collapse of security", and b) Prof. Kitagawa (constitutionalist, Yokohama National Univ.): "Labor in the context of the Constitution of Japan".

KANSAI-AREA'S COLLOQUIUM IN SEPTEMBER

The Kansai-area's colloquium for scientific workers in private enterprises held a regular meeting on September 6 at Osaka branch's office, where Prof. Miwa raised a question on the security of nuclear power plant.

MIYAGI BRANCH

The branch held 2nd Branch Lecture on October 3 in Sendai, which was to invite Prof. Ono (Graduate School of Economics and Management, Tohoku Univ.) to give a lecture entitled "Poverty of laboring class in England around the middle of the 19th century – from the public health report (1864)".

TOKYO BRANCH

1) Machida Science Forum had a regular meeting on August 16, which was to visit a historical site in Inagi City, Tokyo with the guide of Prof. Jubishi (archeology, Yamanashi Gakuin Univ.).

2) Tama Hegel study group held a regular meeting on August 18 at Chuo University, where they studied a section of *Hegel's Great Logic study* (2nd ed.) written by S. Mita under the direction of Mr. Nakamura (graduate student, Tokyo Metropolitan Univ.).

3) The 71st new peace colloquium was held on August 28 at Bunkyo Civic Center, Tokyo, where Prof. Kaneko (Rissho Univ.) delivered a lecture on the definition of Research Commission on the Constitution in Lowe House.

4) On September 12 the 12th Civic Gathering to Think of Intellectual Property Right was held, where discussed was the relation between communication and intellectual property. Two lectures were given on the 3rd stage of 2009 Promotion Plan of Intellectual Property and Google library.

5) On September 18 Tama Hegel study group held a regular meeting, where they studied a section of

Hegel's Great Logic study (2nd ed.) written by S. Mita under the direction of Mr. Tabata (Hino Research Institute of Local Governance).

6) On September 19 the 17th Chofu Science Forum was held, where Dr. Ito (Meiji University) delivered a lecture on the desire of representation and historical science.

7) The 72nd new peace colloquium was held on September 25 at Bunkyo Civic Center, Tokyo, where Prof. Kaneko (Rissho Univ.) delivered a lecture on the fundamental of the Constitution.

8) On October 7 the 33rd Hachioji Science Forum was held at Kitano, Tokyo, where Prof. Tsuruta (Emeritus Prof., Chuo Univ.) delivered a lecture on the present global economic panic.

9) The branch held a meeting to exchange members' activities on October 3 at University Electro-Communications, in which scientific workers and graduate students participated.

10) The group of individual members took a field practice at Mt. Takao, Tokyo under the guidance of Mr. Hashimoto (People for the nature of Mt. Takao).

TOYAMA BRANCH

On September 19 in Toyama City Network to cherish children in Toyama (the branch affiliates) organized a conference entitled "Thinking of children and education for them in Toyama Prefecture – Reports from school sites".

GIFU BRANCH

On September 12 the branch organized a symposium with the title "The Green New Deal and environmental problems of public works in Gifu Prefecture". Especially they discussed problems caused by Tokuyama Dam channel, clockwise route of Tokaido beltway, and an industrial waste disposal plant in Gifu City

KYOTO BRANCH

The branch held a regular meeting of JJS (Journal of Japanese Scientists) club on August 21 at the branch office. Dr. Tomita explained the articles "Development of the concept of peace", "The historical development of peace studies", "Present situation and problems of peace education in Japan: For the advance of peace education", and Prof. Fujita (Ritsumeikan Univ.) "Johan Galtung's theory of peace and activities of transcend".

OSAKA BRANCH

1) The branch organized 2009 Osaka Summer School on September 20 through 21 with the main theme "Society of primates and human society". First day treated the main theme: Prf. Nagano (Osaka Univ.): "Considering human society – from the origin of humanity till structural violence", and Prof. Minami (Tsu City College): "Selfishness, social order, and nation". Second day a session for young researchers' presentation was held. a) Dr. Maki (Osaka City Univ.): "Supplier system of automobile industry", b) Dr. Yasuki (Osaka City Univ.): "War and finance – Russia-Georgia conflict in 2008", c) Dr. Akinaga (Kansai Univ.): "A role of sugar chain as molecular filter", and d) Dr. Niki (Osaka Univ.): "IPs cell and tissue engineering".

2) The study group Contemporary Capitalism organized a regular meeting on September 24, where Prof. Iwahashi (Hannan University) delivered a lecture on financial regulation.

3) The study committee of philosophy organized a regular meeting on September 26, where discussion was made based on a book "H. Yukawa and Einstein" written by T. Tanaka under the direction of Dr. Komorita (JSA representative secretary).

4) The Kansai-area's colloquium for scientific workers in private enterprises held a regular meeting on October 4 at the branch office, where Ms. Funai explained her research on asbestos fibers causing lung cancer and malignant mesothelioma.

5) The dialectic champuru (hotchpotch) study group held a study meeting on October 6 at the branch office,

where Prof. Hiraishi (Ritsumeikan Univ.) explained the thought of Brudy and its demonstration.

HYOGO BRANCH

The branch together with Research Institute of Local Government in Hyogo organized 2009 Seminar of Agricultural Community on September 4, where they invited Hyogo Prefectural Homeland for Oriental white Stork and took a prefectural official's lesson on faming methods to foster Stork.

TOKUSHIMA BRANCH

On August 20 the branch organized a study meeting opened to citizens, which was to discuss peace studies based on articles appeared in JJS vol. 44 no.8.

OKINAWA BRANCH

Summer study conference was held on August 7 at Ryukyu University, where branch members also were reported by Prof. Kameyama concerning 2009 SCIENTISTS' FORUM AGAINST A & H BOMBS held in Kobe City, August 2.

ARTICLES OF "JOURNAL OF JAPANESE SCIENTISTS"

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Title-page message

Sokawa, Y.: For the 500th issue of Journal of Japanese Scientists

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Nagasuna, M.: Movement of the Japanese Scientists' Association in field economy: Its locus and urgent problems

Komorita, S.: General education and its college and "Journal of Japanese Scientists"

Anzai, I.: Social responsibility of scientists and Japan Scientists' Association

Homma, S.: The effects of global warming on the production of agriculture and forestry of Japan

Kawasaki, T.: The regime shift theory and the change of environmental thoughts and legal conception about sustainable use of the marine living resources

Namai, H.: Brief historical review of "Journal of Japanese Scientists": From serial No.1 (March 1966) to No.500 (September 2009)

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Review (the 500th issue memorial winning article)

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Kodama, K.: Various problems occurred in Ishikawa Prefecture along with traffic policy biased to road construction

Sokawa, Y.: Sputnik and polydnavirus – Those are strange viruses

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Mori, T. & Okazaki, H.: The present phase and subject of reform in University of Fukui

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