



2014 ANNUAL REPORT

January 2015

Brewery Convention of Japan
(BCOJ)



Brewery Convention of Japan

2-8-18, KYOBASHI, CHUO-KU, TOKYO 104-0031 JAPAN

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2014 Annual Report of the Board Committee

January, 2015

The President of BCOJ

Masayuki Aizawa

1. Board Member and Mission of BCOJ

(1) BCOJ Board Members in 2014.

President:	Masayuki Aizawa	(ASAHI BREWERIES, LTD.)
Directors:	Takeshi Nakamura	(SAPPORO BREWERIES LTD.)
	Kaneo Oka	(SUNTORY BEER LIMITED) <i>until Mar.,2014</i>
	Seigo Hideshima	(SUNTORY BEER LIMITED) <i>from Apr.,2014</i>
	Akihito Yokoyama	(Kirin Brewery Company, Limited)
	Masayoshi Kinjo	(ORION BREWERIES, LTD.) <i>until Mar.,2014</i>
	Akira Taira	(ORION BREWERIES, LTD.) <i>from Apr.,2014</i>
Analysis Committee Chair:	Yoshinori Hida	(SUNTORY BEER LIMITED)
Program Committee Chair:	Taichi Maruhashi	(SUNTORY BEER LIMITED)
Brewers Association of Japan:	Kazuhiko Shimada	(BAJ, official member) <i>until Sep.,2014</i>
	Masaaki Hachisuka	(BAJ, official member) <i>from Oct.,2014</i>
Secretariat:	Toru Kishimoto	(ASAHI BREWERIES, LTD.)

(2) The Objectives of BCOJ

1. To standardize analytical methods for the evaluation of materials and products adopted in beer brewing and other related industries.
2. To facilitate scientific and technological research through mutual communication among beer brewing industry

specialists.

3. To work in collaboration with other foreign and domestic organizations with shared objectives.

In 2014, there were four meetings of the Board Committee, nine meetings of the Analysis Committee, six meetings of the Program Committee, and the 24th Annual Meeting of the BCOJ was held to execute the BCOJ mission.

2. Science and Technology Exchange with American Society of Brewing Chemists (ASBC)

(1) Participation in the ASBC Annual Meeting

The members of the BCOJ board participated in the ASBC Annual Meeting (Part of the 2014 Brewing Summit, Chicago, Illinois, U.S.A.) from June 4th to 6th, to promote technology exchanges with other participants and ASBC board members. The analytical committee presented the results of the 2013 BCOJ Collaborative Work. The automatic renewal of the copyright agreement on the publication of the BCOJ beer analytical method (revised edition) was consented to ASBC.



Exchange with ASBC President (Dr.Tom Shellhammer) and board members

3. BCOJ Annual Meeting

On November 6-7, the 24th BCOJ Annual Meeting was held at Seiryō-Kaikan in Tokyo. Approximately 220 scientists and brewers, from five major Japanese breweries and related companies or ministries participated in the

conference. Participants exchanged views on the development of attractive products, improvements in taste, securing food safety, etc.

Dr. Tom Shellhammer (the President of ASBC) and Dr. Xiang Yin (the Asia liaison officer of ASBC) were invited. The two presentations, “The ASBC update” and “Flavor research on Hop”, given by Dr. Tom Shellhammer were well-received by the audience. The BCOJ Contribution Award was presented to Kazuo Nakatani, Miyoko Ono, and Takashi Inoue for their outstanding careers and valuable contributions to the BCOJ and international brewing science community.

The agreement “DECLARATION OF COOPERATION BETWEEN BCOJ & ASBC” that was first executed in 1994, was renewed and signed by both ASBC and BCOJ Presidents.



Presentation by the President of ASBC



Presentation in the Annual Meeting



Evening Reception

4. Board Meetings

1st meeting: Apr. 10th , at Hokkaido Plant, ASAHI BREWERIES, LTD., Hokkaido

Agenda: Review of 2013 activities and conformation for 2014, Collaborative researches in 2014, Exchange with Yoichi Distillery of Nikka Whisky.

2nd meeting: Sep. 11th , at Nago Plant, ORION BREWERIES, LTD., Okinawa

Agenda: Proceedings schedule of 24th BCOJ Annual Meeting, Revision of the BCOJ analytical method, Exchange with Helios Distillery.

3rd meeting: Nov. 6th , at Seiryō-Kaikan, Tokyo

Agenda: Next year's budget

4th meeting: Dec. 15th , at Brewers Association of Japan, Tokyo

Agenda: Retrospect over 2014 activities, introduce the schedule for 2015 annual activities



Exchange with Yoichi Distillery



Exchange with Helios Distillery

Completed by Toru Kishimoto

Brewery Convention of Japan (BCOJ)

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2014 Annual Report of BCOJ Analysis Committee

January 2015

Chairperson; Yoshinori Hida

Vice-Chairperson; Masahito Muro

The term for the annual activities of BCOJ Analysis Committee in 2014 was from January to December. The committee had eight meetings. The following individuals were the members of the committee.

Chairperson:	Yoshinori Hida	(SUNTORY BEER LIMITED)	
Vice-Chairperson:	Masahito Muro	(Kirin Company, Limited)	
Members:	Atsushi Ohuchi	(ASAHI BREWERIES, LTD.)	
	Takuya Asato	(ORION BREWERIES, LTD.)	until May 2014
	Tsuyoshi Miyagi	(ORION BREWERIES, LTD.)	from Jun. 2014
	Takayuki Watanabe	(SAPPORO BREWERIES LTD.)	
	Sotaro Tatsu	(Suntory Global Innovation Center Limited)	until Jun. 2014
	Yusuke Ishizuka	(SUNTORY BEER LIMITED)	from Jul. 2014
	Ryota Hattori	(Kirin Company, Limited)	
	Brewers Association of Japan:	Masaaki Hachisuka	(BAJ, official member)
Koichi Hirai		(BAJ, official member)	from Oct. 2014

1. The BCOJ Collaborative Work

The BCOJ conducted the following collaborative study: “Immunoassay for wheat allergen in beer using Morinaga Wheat Protein ELISA Kit (Gliadin) ”. The collaborative work was conducted by twelve collaborators. Consequently, the relative repeatability standard deviation (RSD_r) and the relative reproducibility standard deviation (RSD_R) were judged acceptable. The average recovery was 95.8% and it was also acceptable.

The conclusion was that the method is capable of screening Gliadin containing more than $10 \mu\text{g/g}$ in beer. The committee recommends that the method be adopted for inclusion in *the Methods of Analysis of BCOJ*.

2. BCOJ Technical Seminar

The BCOJ Technical Seminar was held in September. There were twenty participants from the companies of the BCOJ and the Brewers Association of Japan (BAJ).

Title: “ Psychology of Palatability and Selection of Food ”

Lecturer: Nobuyuki Sakai (Associate Professor, Department of Psychology,
Graduate School of Arts and Letters, Tohoku University)

3. International Activities

(1) ASBC Technical Committee

The chairperson, vice-chairperson of the BCOJ Analysis Committee and an official member of BAJ were delegated to attend the ASBC Technical Committee meeting on June 2nd, 2014.

(2) EBC Collaborative Work ; Determination of Ethanol & Methanol in Alcohol free and Low Alcohol Beer by Headspace GC-FID

Four laboratories of BCOJ member joined this collaborative work. The results were accepted and the method was adopted for inclusion in Analytica EBC as “Method9.3.2. Ethanol in alcohol free and low alcohol beers by Gas Liquid Chromatography”.

4. Publication Works

(1) Atsushi Ohuchi, Poster Presentation (A-97) at Brewing Summit 2014.

Title ; Determination of ethanol in low alcohol beer by head space GC-FID ; 2013 BCOJ Collaborative Work

(2) Report of 2013 BCOJ Collaborative Work - Determination of ethanol in low alcohol beer by head space GC-FID, *J. Am. Soc. Brew. Chem.*, 72, (4), pp.307-308: 2014.

(3) The following new method should be adopted for inclusion in *the Methods of Analysis of BCOJ*, and was published in *Journal of the Brewing Society of Japan*, Vol.110, No.1, pp.26-28(2015)

“Determination of ethanol in low alcohol beer by head space GC-FID”

(4) The activities of the BCOJ Analysis Committee from 2013 to 2014 were presented by the chairperson of BCOJ Analysis Committee at the BCOJ Annual Meeting in November 2014.

5. BCOJ Analysis Committee Middle Term Plan

The BCOJ Analysis Committee began following the Middle Term Plan from 2014 to 2018. We decided to review *the Methods of Analysis of BCOJ, Sensory Evaluation Methods of BCOJ* as a new activity of the BCOJ Analysis Committee during the period of the Middle Term Plan.

(By Masahito Muro)

2014 Annual Report of BCOJ Program Committee

January, 2015

Chairperson: Taichi Maruhashi

Vice-chairperson: Masanori Shirai

The following individuals were the members of the 2014 Program Committee.

Chairperson:	Taichi Maruhashi	(SUNTORY BEER LIMITED)
Vice-chairperson:	Masanori Shirai	(SAPPORO BREWERIES LTD.)
Member:	Hironori Inadome	(Kirin Company, Limited)
	Taku Kato	(ASAHI BREWERIES, LTD.)
Brewers Association of Japan:	Atsushi Fujita	(BAJ, official member) from Oct. 2014
	Takashi Yamada	(BAJ, official member) until Sep.2014

The Program Committee held five meetings in 2014 for planning and implementation of the 24th Annual Meeting of the BCOJ (BCOJ 2014). The Program Committee and Prof. Tohara of the University of Tokyo began the cooperative research on beer flavor in June 2008. The Program Committee continued to facilitate this study in 2014.

BCOJ 2014 was held on November 6th and 7th. There was a total of 18 oral and poster presentations. Prof. Dr. Yoshinori Ohsumi (Tokyo Institute of Technology), presented an invited lecture entitled "Molecular Dissection of Autophagy in Yeast".

To publicize BCOJ 2014, information was provided on the Jozo-kyokai-shi and BCOJ home pages.

1. Program Committee Meetings

(1) Session 1 (Jan.31st, at Asahi, Kanagawa Brewery)

The outline of BCOJ 2014 was determined.

(2) Session 2 (Mar.17th, at Sapporo, Nasu Brewery)

Draft of the BCOJ 2014 program including the time schedule for presentations and allocation of posters was determined.

(3) Session 3 (Aug.1st, at Kirin, Fukuoka Plant)

The detailed program of BCOJ 2014 was decided and the necessary works for its preparation such as issue of abstract were confirmed.

(4) Session 4 (Oct.3rd, at Seiryō Kaikan)

Final confirmation of the BCOJ 2014 was arranged on-site.

(5) Session 5 (Nov.21st, at Suntory, Kyoto Brewery)

The results of the questionnaire on BCOJ 2014 was proposed for next year.

2. Cooperative research

(1) On Feb. 13 at Tokyo University

The research plan was discussed.

(2) On May. 21 at Tokyo University

The research plan was discussed.

(3) On Aug. 19 at Tokyo University

The contract was confirmed.

Written by Taichi Maruhashi