



2016 ANNUAL REPORT

December 2016

Brewery Convention of Japan
(BCOJ)



Brewery Convention of Japan

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

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2016 Annual Report of the Board Committee

December, 2016

The President of BCOJ

Koichi Toyoshima

1. Board Members and Mission of BCOJ

(1) BCOJ Board Members in 2016.

President:	Takeshi Nakamura	(SAPPORO BREWERIES LTD.)	<i>until Apr.,2016</i>
	Koichi Toyoshima	(SAPPORO BREWERIES LTD.)	<i>from Apr.,2016</i>
Directors:	Seigo Hideshima	(SUNTORY BEER LIMITED)	
	Toshinori Hirano	(Kirin Company, Limited)	<i>until June,2016</i>
	Yuji Idota	(Kirin Company, Limited)	<i>from June,2016</i>
	Masayuki Aizawa	(ASAHI BREWERIES, LTD.)	<i>until June,2016</i>
	Tetsuya Watanabe	(ASAHI BREWERIES, LTD.)	<i>from June,2016</i>
	Masaru Shimabukuro	(ORION BREWERIES, LTD.)	
Analysis Committee Chair:	Masahito Muro	(Kirin Company, Limited)	
Program Committee Chair:	Toshihiko Hori	(Kirin Company, Limited)	
Brewers Association of Japan:	Koichi Hirai	(BAJ, official member)	<i>until Aug.,2016</i>
	Atsushi Fujita	(BAJ, official member)	
	Katsuhiro Noguchi	(BAJ, official member)	<i>from Sep.,2016</i>
Secretariat:	Masanori Shirai	(SAPPORO BREWERIES LTD.)	<i>until Sep.,2016</i>
	Takashi Imure	(SAPPORO BREWERIES LTD.)	<i>from Sep.,2016</i>

(2) The Objectives of the 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.

The meetings of the Board Committee, Analysis Committee, Program Committee, and the Annual Meeting of the BCOJ were held to execute the mission of the BCOJ.

2. Science and Technology Exchange with ASBC (American Society of Brewing Chemists) and EBC (European Brewery Convention)

(1) Participation in the WBC (World Brewing Congress)

The members of the BCOJ board participated in the WBC, Denver, Colorado, U.S.A., from August 13th to 17th, 2016, to promote technology exchanges with other participants and ASBC board members. During the conference, 20 c/s of Japanese beer was donated and served to delegates. During the BCOJ symposium, Mr. Toyoshima, the president of BCOJ, gave the opening address. Subsequently, three topics were presented from Japan. The analytical committee presented the results of the 2015 BCOJ Collaborative Work. BCOJ members were invited to the reception party hold by the ASBC president, and networks among delegates were established.



ASBC and BCOJ members in WBC



Beer donation



Anniversary gift as WBC contribution organization from ASBC

3. BCOJ Annual Meeting

During November 10–11, the 2016 BCOJ Annual Meeting was held at Seiryō-Kaikan, Tokyo. Approximately 288 scientists and brewers, from five major Japanese breweries and related companies or ministries participated in the conference. Participants exchanged views on many beer-related issues including the development of attractive products, improvements in taste, and securing food safety.

Ms. Christine S. White, the president of ASBC, Dr. Thomas H. Shellhammer, the past president of ASBC, and Dr. Xiang Yin, ASBC Asia Liaison Officer, were invited to the conference. The presentation, “The evolution of the US major and craft brewers,” given by the ASBC president, was well-received by the audience. The BCOJ Contribution Award was presented to Motoo Ookochi for his outstanding career and valuable contributions to the BCOJ and the international brewing science community.



Presentation by the President of ASBC



BCOJ Contribution Award



Invited lecture in the Annual Meeting



Evening Reception

4. Board Meetings

1st meeting: Apr., 2016, at Brewers Association of Japan, Tokyo

Agenda: The schedule of the visit to the WBC

Election of the 2016 BCOJ Contribution Award recipient

Collaborative research in 2016

2016 BCOJ Annual Meeting

2nd meeting: Sep., 2016, at Nago Plant, ORION BREWERIES, LTD., Okinawa

Agenda: The report for the participation in WBC

Collaborative research in 2016

Proceedings schedule of the 2016 BCOJ Annual Meeting

Exchange with the Zuisen Shuzou Distillery

3rd meeting: Nov., 2016, at Seiryō-Kaikan, Tokyo

Agenda: Schedule of the 2016 BCOJ Annual Meeting.

Collaborative research in 2016

Next year's budget

4th meeting: Dec., 2016, at Suntory Hakushu Distillery, Yamanashi

Agenda: Retrospection over 2016 activities.

Introduction of the schedule for 2017 annual activities

Collaborative research in 2016

Further relationship with ASBC



2nd BCOJ Board Meeting



Exchange with Zuisen Shuzou Distillery

Completed by Takashi Imure

2016 Annual Report of the BCOJ Analysis Committee

December 2016

Chairperson: Masahito Muro

Vice-Chairperson: Koji Suzuki

The term for the annual activities of the BCOJ Analysis Committee in 2016 was from January to December. The committee conducted seven meetings. The following individuals formed the committee.

Chairperson

Masahito Muro (Kirin Company, Limited)

Vice-Chairperson

Koji Suzuki (Asahi Breweries, Ltd.)

Members

Shigekuni Noba (Asahi Breweries, Ltd.)

Tsuyoshi Miyagi (Orion Breweries, Ltd.)

Hajime Nakata (Sapporo Breweries Ltd.)

Miho Sawada (Suntory Beer Limited)

Sayuri Kato (Kirin Company, Limited)

Koichi Hirai (BAJ, official member) (- Aug. 2016)

Atsushi Fujita (BAJ, official member)

Katsuhiro Noguchi (BAJ, official member)

Tetsuya Saito (BAJ, official member) (Sep. 2016—)

1. The BCOJ Collaborative Work

The BCOJ participated in the following collaborative study: “Determination of ethanol content in pitching yeast by Alcoalyzer.” Under the guidance of the Tokyo Regional Taxation Bureau, the experimental design comparing the Alcoalyzer and distillation method was adopted. Because ethanol content in yeast-containing samples change during transport, a multi-laboratory collaborative study was considered unsuitable. It was therefore decided that Kirin should conduct a single laboratory validation, which will take place during December 2016–January 2017.

2. BCOJ Technical Seminar

The BCOJ Technical Seminar was held on September, 16, 2016. There were approximately 30 participants from the companies of BCOJ and the Brewers Association of Japan (BAJ).

Title: “Validation of analytical methods for food”

Lecturer: Shigehiro Naito (Director, Division of Analytical Science, National Agriculture and Food Research Organization)

3. International Activities

(1) ASBC Technical Committee

The chairperson, vice-chairperson of the BCOJ Analysis Committee, and an official member of BAJ attended the ASBC Technical Committee meeting held in Denver, USA, on 12 August, 2016. The chairperson of the EBC Analysis Committee also attended the committee meeting and presented their recent activities.

(2) ASBC Collaborative Work

Two laboratories of BCOJ members participated in this collaborative work concerning “Foam stability of beer using NIBEM method.” The relative repeatability standard deviations (RSD_r) and relative reproducibility standard deviations (RSD_R) were both judged acceptable. The ASBC Technical Committee recommended this method to be adopted as an international method. A lipoxygenase (LOX) collaborative study will be conducted during 2017 and two laboratories of BCOJ members are planning to join this collaborative work.

(3) EBC Analysis Committee

The committee meeting was not held this year.

4. Publication Works

(1) Sayuri Kato, Poster Presentation (P-83) at 2016 World Brewing Congress.

Title; Determination of lower boiling volatiles in beer by headspace GC/MS: 2015 BCOJ Collaborative Work

(2) Report of 2015 BCOJ Collaborative Work-Determination of lower boiling volatiles in beer by headspace GC/MS, *J. Am. Soc. Brew. Chem.*, 75, (4), pp.272–277: 2016.

(3) The method mentioned above was adopted for inclusion in *the Methods of Analysis of BCOJ*, and was published in the *Journal of the Brewing Society of Japan*, 111, (12), pp.830–834: 2016.

(4) The activities of the BCOJ Analysis Committee from 2015 to 2016 were presented by the chairperson of the BCOJ Analysis Committee at the BCOJ annual meeting in November, 2016.

5. BCOJ Analysis Committee Middle Term Plan

The BCOJ Analysis Committee is operating according to the Middle Term Plan from 2014 to 2018. We completed the revision of *the Methods of Analysis of BCOJ*, *Sensory Evaluation Methods of BCOJ* and submitted the manuscript to the Brewing Society of Japan. The revised version is currently in press. In addition, we explored new collaborative areas for five BCOJ member companies, and as a result, information exchanges will take place in regards to the prediction methods of gushing and chill haze.

Completed by Koji Suzuki

2016 Annual Report of the BCOJ Program Committee

January, 2017

Chairperson: Toshihiko Hori

Vice-chairperson: Takahiro Wakihira

The following individuals formed the 2016 Program Committee.

Chairperson:	Toshihiko Hori	(Kirin Company, Limited)
Vice-chairperson:	Norio Doi	(ASAHI BREWERIES, LTD.) until Mar, 2016
	Keisuke Okada	From Apr. until May, 2016
	Takahiro Wakihira	From Jun., 2016
Member:	Satoshi Kurakane	(SUNTORY BEER LIMITED)
	Takashi Iimure	(SAPPORO BREWERIES LTD.) until Sep., 2016
	Kiyoshi Takoi	From Oct., 2016
Brewers Association of Japan:	Atsushi Fujita	(BAJ, official member) until Aug., 2016
	Katsuhiko Noguchi	
	Tetsuya Saito	(BAJ, official member) from Sep., 2016

The Program Committee held seven meetings in 2016 for planning and implementation of the 26th Annual Meeting of the BCOJ (BCOJ 2016). The Program Committee and Prof. Touhara of the University of Tokyo began the cooperative research on beer flavor in June 2008.

BCOJ 2016 was held on November 10th and 11th, 2016. There were a total of 25 oral and poster presentations. Dr. Shinsuke Imai (House Foods Group Inc.), presented an invited lecture entitled “Development of Smile Ball, a tearless onion.”

To publicize BCOJ 2016, information was provided on the Jozo-kyokai-shi and BCOJ home pages.

1. Program Committee Meetings

(1) Session 1 (Feb.1st, at the Nikka, Moji Plant)

The outline of BCOJ 2016 was determined.

(2) Session 2 (Mar.18th, at the Kirin, Hokkaido-Chitose Brewery)

The draft of the BCOJ 2016 program including the time schedule for presentations and allocation of posters was determined.

(3) Session 3 (May 30th, at BAJ)

Cooperative research was discussed.

(4) Session 4 (Aug. 5th, at the Suntory, Hakushu Distillery)

The detailed program of BCOJ 2016 was decided and the necessary actions for its preparation, such as the issue of abstracts were confirmed.

(5) Session 5 (Oct. 7th, at Seiryō-Kaikan)

Final confirmation of BCOJ 2016 was arranged on-site.

(6) Session 6 (Nov.29th, at BAJ)

Cooperative research was discussed.

(7) Session 7 (Dec. 9th, at Sapporo, Kyushu-Hita Brewery)

The result of the questionnaire on BCOJ 2016 was discussed for next year.

2. Cooperative research

(1) On Feb.23 at University of Tokyo

The research plan was discussed.

(2) On May 30 at University of Tokyo

The contract was confirmed.

(3) On Nov. 29 at University of Tokyo

The research plan was discussed.

Completed by Toshihiko Hori

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