



2017 ANNUAL REPORT

December 2017

Brewery Convention of Japan
(BCOJ)



Brewery Convention of Japan

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

TEL.81-3-3561-8386

FAX.81-3-3561-8380

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2017 Annual Report of the Board Committee

December, 2017
BCOJ President,
Koichi Toyoshima

1. BCOJ Board Members and Mission

(1) 2017 BCOJ Board Members

President:	Koichi Toyoshima	(SAPPORO BREWERIES LTD.)	
Directors:	Seigo Hideshima	(SUNTORY BEER LIMITED)	
	Yuji Idota	(Kirin Company, Limited)	
	Tetsuya Watanabe	(ASAHI BREWERIES, LTD.)	
	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	Atsushi Fujita	(BAJ, official member)	<i>until Aug. 2017</i>
(BAJ):	Katsuhiro Noguchi	(BAJ, official member)	
	Tetsuya Saito	(BAJ, official member)	<i>beginning Sept. 2017</i>
Secretariat:	Takashi Iimure	(SAPPORO BREWERIES LTD.)	

(2) BCOJ Objectives

1. To standardize the analytical methods used in evaluating the materials and products adopted in beer brewing and other related industries.
2. To facilitate scientific and technological research through mutual communication among specialists within the beer brewing industry.
3. To collaborate with foreign as well as domestic organizations who share our objectives.

The meetings of the Board Committee, Analysis Committee, Program Committee, and the Annual Meeting of the BCOJ have been held to execute the BCOJ's mission.

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

(1) Participation in the 36th EBC Congress

BCOJ board members participated in the 36th EBC Congress held from May 13 to 17, 2017, in Ljubljana, Slovenia, to promote technology exchanges with participants and EBC board members. During the conference, a short ceremony was held to mark the partnership agreement between the BCOJ and the EBC.



Ceremony marking the partnership agreement with the EBC

(2) Participation in the ASBC annual meeting

BCOJ board members participated in the ASBC annual meeting held from June 4 to 7, 2017, in Fort Myers, Florida, USA, to promote technology exchanges with participants and ASBC board members. During the conference, 20 cases of Japanese beer were donated and served to delegates. BCOJ members were invited to the reception held by the ASBC president and networks among delegates were established.



Reception party held by the ASBC president

3. BCOJ Annual Meeting

The 2017 BCOJ Annual Meeting was held at Seiryō Kaikan, Tokyo, from November 9 to 10. Approximately, 267 scientists, brewers, and engineers from the 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, taste improvements, and food safety.

Dr. Chris Powell (the president of ASBC), Ms. Cindy-Lou Lakenburgers (the past president of ASBC), and Dr. Xiang Yin (ASBC Asia Liaison Officer) were invited to the conference. The ASBC president's presentation "Are all brewing yeast populations the same?" was well-received by the audience. As the invited lecturer, Mr. Gen Terao, the CEO of BALMUDA Inc., discussed BALMUDA's product development scheme.



Presentation by the President of ASBC



Invited lecture



Evening Reception



Poster session

4. Board Meetings

First

meeting: Feb. 2017 Location: BAJ, Tokyo

Agenda: Partnership with EBC

Further collaboration with ASBC

2017 BCOJ annual meeting

Second

meeting: Apr. 2017, Location: Hakata Brewery, ASAHI BREWERIES, LTD., Fukuoka

Agenda: The schedule for the visit to the EBC Congress and the ASBC Annual Meeting

Selection of the recipient of the 2017 BCOJ Contribution Award

Collaborative research in 2017

2017 BCOJ Annual Meeting

Third

meeting: Jul. 2017 Location: BAJ, Tokyo

Agenda: Collaborative research in 2017
2017 BCOJ annual meeting

Fourth

meeting: Sep. 2017, Location: Hokkaido Chitose Brewery, Kirin Brewery Co. Ltd., Hokkaido

Agenda: Report on the participation in the EBC Congress and the ASBC Annual Meeting
Collaborative research in 2017
Schedule of Proceedings for the 2017 BCOJ Annual Meeting

Fifth

meeting: Nov. 2017, Location: Seiryō Kaikan, Tokyo

Agenda: Schedule for the 2017 BCOJ Annual Meeting.
Collaborative research in 2017
Next year's budget

Sixth

meeting: Dec. 2017, Location: BAJ, Tokyo

Agenda: Review of 2017 activities
Introduction of the schedule of 2018 annual activities
Collaborative research in 2017
Further relationship with the ASBC



Technical tour in Ishikura Shuzo



Technical discussion in Calbee Hokkaido factory

Completed by Takashi Imure

2017 Annual Report of BCOJ Analysis Committee

December 2017

Chairperson: Masahito Muro

Vice-Chairperson: Koji Suzuki

The BCOJ Analysis Committee's 2017 term for annual activities was from January to December. The Committee conducted seven meetings and the members of the Committee were the following:

Chairperson

Masahito Muro (Kirin Company, Limited)

Vice-Chairperson

Koji Suzuki (Asahi Group Holdings, Ltd.)

Members

Shigekuni Noba (Asahi Breweries, Ltd.)

Tsuyoshi Miyagi (Orion Breweries, Ltd.)

Kenya Morita (Sapporo Holdings Ltd.)

Miho Sawada (Suntory Beer Limited)

Kyoko Hiratsuka (Kirin Company, Limited)

Atsushi Fujita (BAJ, official member) (–Aug. 2017)

Katsuhiro Noguchi (BAJ, official member)

Tetsuya Saito (BAJ, official member)

Makoto Taruoka (BAJ, official member) (Sep. 2017–present)

1. The BCOJ's Collaborative Work

The BCOJ worked on a collaborative study entitled “Determination of ethanol content in pitching yeast by Alcolyzer.” Under the guidance of the Tokyo Regional Taxation Bureau, an experimental design comparing Alcolyzer and distillation methods was adopted. As ethanol contents in yeast-containing samples may change during transport, a single laboratory validation, rather than a multi-laboratory collaborative study, was decided upon. Kirin validated the method and discussed the data with the members of the BCOJ Analysis Committee. The method was approved as acceptable for the determination of ethanol content in pitching yeast. This validated method is now under review by the Tokyo Regional Taxation Bureau.

2. Revision of the BCOJ's Sensory Evaluation Methods

The Brewing Society of Japan prepared galley proofs for Chapter 4 as sample pages. The BCOJ Analysis Committee examined the contents and corrected the proofs. Based on the

Committee's comments, the Society will prepare galley proofs for the full text. The Analysis Committee will also determine the number of copies to be printed as well as the price of the book. On the basis of this information, copyright fees will be negotiated with the ASBC and the EBC.

3. BCOJ Technical Seminar

The BCOJ Technical Seminar was held on September 22. There were approximately 20 participants from BCOJ companies and the BAJ.

Title: "Challenges for designing sensory evaluation trainings"

Lecturer: Toshihiko Yonezawa (Representative, Applied Laboratories for Sensory Analysis, and Visiting Lecturer at Ishikawa Prefectural University)

4. International Activities

(1) ASBC Technical Committee

The chairperson and vice-chairperson of the BCOJ Analysis Committee and an official member of BAJ attended the ASBC Technical Committee meeting held on June 2, 2017, in Fort Myers, Florida, USA,. The chairperson of BCOJ' Analysis Committee shared the BCOJ's activities with the members of the ASBC Technical Committee.

(2) ASBC Collaborative Work

Two BCOJ member laboratories participated in collaborative work concerning "Lipoxygenase (LOX) Activity in Malt." In this project, the relative repeatability standard deviations (RSD_T) and relative reproducibility standard deviations (RSD_R) were improved as compared to the 2016 collaborative trial and were both judged acceptable. The ASBC Technical Committee recommended that this method be adopted as an international method.

(3) EBC Analysis Committee

The BCOJ Analysis Committee chairperson and vice-chairperson and an official member of the BAJ attended the EBC Analysis Committee meeting held on May 13, 2017, in Ljubljana, Slovenia. The chairperson of BCOJ Analysis Committee shared the BCOJ's activities with the members of the EBC Analysis Committee.

5. Publications

- (1) BAJ published the "Determination of ethanol content in pitching yeast by AlcoLyzer" analytical method on its web page.
- (2) The chairperson of the BCOJ Analysis Committee presented the Committee's activities from 2016 to 2017 at the BCOJ Annual Meeting in November 2017.

6. BCOJ Analysis Committee Middle Term Plan

The BCOJ Analysis Committee is working under the Middle Term Plan for 2014–2018. We have completed the

revisions to *The BCOJ Methods of Analysis* and *The BCOJ Sensory Evaluation Methods*. The galley proofs of these texts are currently in preparation by the Brewing Society of Japan. The revised versions are to be published in 2018. In addition, we explored new collaborative areas for five BCOJ member companies and, as a result, two candidates were selected: predictive methods for gushing and chill haze. However, due to the restrictions on information exchanges, these activities are currently on hold. The exploration of new collaborative areas will continue as occasions arise.

(By Koji Suzuki)

2017 Annual Report of BCOJ Program Committee

December 2017

Chairperson: Toshihiko Hori

Vice-chairperson: Takahiro Wakihira

The 2017 Program Committee members were the following:

Chairperson:	Toshihiko Hori	(Kirin Company, Limited)
Vice-chairperson:	Takahiro Wakihira	(ASAHI BREWERIES, LTD.)
Member:	Satoshi Kurakane	(SUNTORY BEER LIMITED)
	Kiyoshi Takoi	(SAPPORO BREWERIES LTD.)
BAJ:	Katsuhiko Noguchi	(BAJ, official member) until Sep. 2017
	Tetsuya Saito	
	Makoto Taruoka	(BAJ, official member) from Oct. 2017

In 2017, the Program Committee held seven meetings for the planning and implementation of the BCOJ's 27th Annual Meeting (BCOJ 2017). In June 2008, the Program Committee and Prof. Touhara of the University of Tokyo began cooperative research on beer flavor.

BCOJ 2017 was held on November 9 and 10, which comprised 27 oral and poster presentations. Mr. Gen Terao (CEO, BALMUDA Inc.) presented an invited lecture entitled "The perspective within BALMUDA development: What are consumers really seeking?"

To publicize BCOJ 2017, information was provided on the Jozo-kyokai-shi and BCOJ home pages.

1. Program Committee Meetings

(1) Session 1 (Jan. 25, at Kirin, Yokohama Brewery)

Determination of the outline for BCOJ 2017

(2) Session 2 (Mar. 6, at Asahi, Shikoku Brewery)

Determination of BCOJ 2017 program draft, including schedule of presentations and the allocation of posters

(3) Session 3 (Jun. 20, at BAJ)

Discussion of cooperative research

(4) Session 4 (Aug. 4, at Sapporo, Hokkaido Brewery)

Finalization of a detailed BCOJ 2017 program and confirmation of necessary tasks for program preparation (such as issue of abstracts)

(5) Session 5 (Oct. 6, at Seiryō Kaikan)

Final confirmation of BCOJ 2017 arranged on-site.

(6) Session 6 (Nov. 22, at Suntory, Azusanomori Plant)

Discussion of the results of the questionnaire on BCOJ 2017, as they pertain to the next year.

(7) Session 7 (Dec. 19, at BAJ)

Discussion of mixer at the next annual meeting.

2. Cooperative research

(1) Jun. 20 at University of Tokyo, Japan

Confirmation of contract.

Written by Toshihiko Hori

Brewery Convention of Japan (BCOJ)

The Brewers Association of Japan, 1-16-7, GINZA, CHUO-KU, TOKYO, 104-0061, JAPAN

TEL 81-3-3561-8386, FAX 81-3-3561-8380, E-mail info@brewers.or.jp