

Call to Order: 1/23/2020 @ 12pm PST

Introduction (John Mallett)

- Welcome & Introductions
- Rules of the Road
- Election of new officers to maintain nonprofit status to come in New Business (President, VP, Secretary, Treasurer)
 - President – John Mallett would be willing to stay on
 - Vice President – Need a replacement for 2020
 - Secretary – Need a replacement for 2020
 - Treasurer – Vinnie & Natalie Cilurzo would be willing to stay on

HQG Coordinator (Zach Baitinger, zbaitinger@newbelgium.com):

- Review of 2020 – HQG has a lot to be proud of looking back at the last 10 years, significant accomplishments and investment & involvement in hop quality
- Website up and running. In addition to appointments, meeting info and historical documents can be found on the website.
 - Blank farm visit forms can be downloaded and filled in if you/your brewery make a visit, especially overseas in any of the hop growing areas around the world.
 - Reminder – please keep these farm reports/pellet mill reports confidential.

New Member Committee (Tim Sciascia, tim@cellarmakerbrewing.com):

- Outreach to New Zealand & Australian hop companies (from new member surveys)
- <https://hapi.co.nz/events/#1566337886247-aa2935ef-2c63> (link to NZ event)

Financial/Governance (Vinnie Cilurzo, vcilurzo@russianriverbrewing.com):

- Discussion of documents
 - 2019 Financials – reviewed and discussed
 - 2020 Budget – reviewed and discussed, **approved by membership**, some line items need to be amended as expected.
 - Fix thiol line item (duplicate item)
 - 2020 membership is not complete, need to account for increase in membership and breweries with the same ownership
 - More discussion with Val as needed on costs
 - Discussion of finances moving forward – outlined above.
 - **2020 slate of officers:**
 - President – John Mallett
 - Vice President – Alec Mull
 - Secretary – Alex Nowell
 - Treasurer – Vinnie & Natalie Cilurzo
 - At-large Officer – Jamie Floyd
 - **Action items:**
 - Add at-large member to the HQG bylaws (motion made, carried)

- Vinnie to create a working group for discussion of HQG membership dues (for members with the same owners)
 - *Motion made to preserve membership dues structure and commit to further discussions.*

Membership (Zach Baitinger):

- Do we have a current definition of membership? **Yes, ties to breweries having a TTB license (refer to currently bylaws).**
 - Auxiliary memberships for brewing professionals? **Not possible at this time.**
 - Media? **Not possible at this time.**
- Breweries that have interest in membership, discussion of interested breweries. Slate of breweries voted on and approved should there be mutual interest include: Societe, pFreim, Green Cheek, Industrial Arts, New Realm, Beechwood, Baltor, Bearded Iris, Roadhouse (Wyo), Treehouse, Cloudwater, Single Hill, Garage Project & Burial.
- Other breweries asking about membership immediately following the HGA Convention include Hop Butcher for the World, Deep Ellum, Smith & Lentz, Georgetown, Stoup and Von Ebert.
- Question arose: How do we build Inclusion & Diversity into our membership?
- **Action Items:**
 - Build out New Member Committee, create a new member orientation to welcome new members.
 - Identify who/how we bring in new members in 2020 (Committee work)

Grower Relations (Jeremy Moynier, jeremy.moynier@stonebrewing.com):

- 2020 Farm Visits:
 - Want to get new brewery members involved in visits (only two volunteers registered for 2020 visits)
 - With teams of seven members, there is a suggestion to reserve spots for 5 new members and 2 more seasoned members
 - **Idaho:** The dates for the last Treasure Valley hop farm visits are set, and yes they do surround the must attend event of the year, THE CALDWELL RODEO! August 19-21. Quick trip, only two farms to go there, but I will reach out to all of them to see if any of them want us back to see any new investments to update our reports. They will have likely started harvest by then, but this should not be a problem. The celebration will be on Thursday August 20. Goodings have again volunteered to host the party, but we should probably see if any other farmers want to host before we accept the Gooding's hospitality for the third straight year.
 - **Washington:** Proposal of the Week of Aug 10 - 14 for WA to match what we did last year (seems like the sweet spot before harvest). BBQ at Roy Farms on 8/13
 - **Oregon:** Looking at partnering with the OHC's Field Day – July 17th?
 - Discussion of Good Bines program, following Global Gap like expectations and rules (happening at HGA)
 - Pre-Harvest Inspections seems to be the bulk of what this committee does
 - Thoughts on what else we can leverage/help with for the group?
 - Should Int'l Grower Relations be folded into this committee?

Technical (Tom Nielsen, tom@sierranevada.com): 2020 Goals include increasing involvement, a focus on sustainability and support/fund projects supporting the HQG breeding program.

- 2019 Breeding Activities
 - a. Breeding goal: Create high yielding, disease resistant public hops with dominant tropical, citrus aroma characteristics
 - b. Analysis strategy
 - i. NyseOS analysis on advanced experimental hops
 1. Identified 2 lines out of 13 with elevated 3-S4MP and 4-MMP concentrations
 - a. 024-024 (3S4MP)
 - b. 029-011 (4-MMP)
 - ii. Yield estimate
 1. Henning
 - iii. Disease screening
 1. Henning
- Project Prioritization Effort
 - c. Structured format for member input on project direction
 - d. Seven projects selected
 - e. Individual quick reports:

Project	Lead(s)
Brewing Trials w/ HQG exp hops	Scott Dorsch/Cole Corbin
Thiol Specs for Thiol rich hops	Ryan Dunnyvant
Hops Thiol Chemistry	Tom Nielsen
Bench Method for Hop Creep	Jason Perkins
Revised to Kilning of HQG hops	Val Peacock
Hop Tea Method Standardization	Cole Hackbarth
Varietal component to pH increase (focus on phase 3&4 identified below)	Daniel Sharp

Tech Lead comments (Dec 2019):

- Scott: beers at the convention from brewing trials (exp lines Ninkasi brews). Discussions included aligning HQG, HRC and BA breeding programs. Tied to this, we need more brewing help. Perhaps a “standard recipe” to help in the evaluation process.
- Ryan: extended project; brewing trials going on at Oskar Blues.
- Tom: assembling publications for HQG consumption (most recent MBAA paper). Will be utilizing lab/tech resources at Sierra Nevada in Chico for study. Reference to French lab only studying two main thiols, this committee plans to take it a step further. Hope to leverage all available resources in the hop industry.
- Jason: Shelhammer research discussion, discussion of starting a working group; looking to create HQG method for hop creep. (BA subcommittee working on white paper).

- Val: revisiting a topic from the 1990s (also article from 1910) discussing late application of sulfur. Burnt rubber aroma in hops can be directly tied to late sulfur application. The purpose of this group will be to educate the industry. Heads-up per Val that we need more drying capacity in Corvallis.
- Cole: As far as updates (on the recommended hop sensory method, we suggest a tea - ASBC Sensory Analysis Method 15. There is still some discussion around a hot steep vs a cold steep. The other part of this project is developing a sensory database/electronic analysis tool for collating sensory results from all member breweries on the experimental varieties. We are in contact with Lindsay Barr at Draught lab to potentially use the app she is developing through the HopSource program. She is open to working out a HQG member rate for use by the participating breweries. We can follow up and finalize the details once she has it ready and we have a plan and sample volume to support an organized survey across the group. Planning for late 2020/early 2021.
- Daniel: Investigation of pH increase in dry hopped beer.
 - a. Phase 1: Objective: Determine industry practices and outcomes related to pH increases in dry hopped beers.
 - b. Phase 2: Objective: Select a relevant and diverse set of hop varieties to use in model/standardized beer for pH testing.
 - c. Phase 3: Objective: Measure pH changes in single hopped model/standardized beers.
 - d. Phase 4: Objective: Investigate hop and wort compositions and their correlation to pH changes in dry hopped beer.

Breeding Program updates from the fields ([John Henning](#), john.henning@oregonstate.edu):

- Val Peacock (3 documents):
 - Discussion of Henning's budget
 - Expansion Plan for HQG Breeding Program for 2020
 - 2019 Hop Evaluation information
- John Henning updates: **review attached PP presentation. Review of Henning's budget.**

Website ([Zach Baitinger](#)):

- Website up and running, sneak peak?
- **Action items:**
 - Post checklist for hop farm visits on website.

Marketing ([Matt Gallagher](#), matt@halfacrebeer.com)

- From a marketing perspective our lone agenda item would be a brief discussion on who we want to get our message out to....PNW growers, "non-traditional" US growing regions, international growing regions, brokers, breeders, researchers, brewers, etc. Of course it's a bit of all of the above, but a tighter focus on who we would like to be communicating with would be helpful in sharing the killer work this group is performing.
- Huge thanks for all the marketing materials (mugs, hats, stickers and bottle openers). Huge hit at convention!

Pellet mill team (Alec Mull, alec@foundersbrewing.com):

- WA pellet mill visits: ID and OR are done. But please be patient with me as I try and determine when will be the best time to approach the state with the largest quantity of mills. The team on the pellet mill committee will get a firm date from me with notice "soon".

Int'l Growers Relations (Matt Brynildson, matthew@firestonebeer.com):

- Who will be abroad for Aussie/NZ harvest and who can visit and report back as well as visit farms that have requested visits like Hop Revolution?
 - **Looks like 6-10 HQG members are headed to both Australia and NZ.**
- German brokers and hop folks interested in HQG; also, NZ/Australia
- Perhaps HQG can do an intro in NZ in March at the Southern Hemisphere symposium (Garage Project)

Old Business:

- Hop Source Feedback
- John Mallett: I would like to talk about Public Program Pickers. We paid to have the little Wolfe at Henning's enclosed a few years back. When I was in WA this season, I noticed that although the Wolfes there were freshly painted with ABI colors, they remained open to the elements and critters. Might we want to invest in the sanitation for these? This sends a message on both support of public programs and our commitment to clean hops. This was completed in Corvallis.
 - **Action item:** Do we need to pay for the same bird netting set up in Washington?
- HQG panel at the 2020 Hop Convention (1/23/20, 60-minute session). **Panel Members:** Zach Baitinger - New Belgium Brewing Company, Matt Gallagher – Half Acre Beer Company, Steve Luke – Cloudburst Brewing, John Mallett – Bell's Brewery, Jeremy Moynier – Stone Brewing, Alec Mull – Founders Brewing Company

New Business:

- **Action Item:** Review HQG Committees, build out as needed (New Member, pHpH, etc)
- Election & approval of new 2020 HQG officers – **completed.**
- **Action Items:** Topics for the future:
 - Succession planning?
 - Do we move positions on a yearly basis?
 - Do we need to update governance?
- **HQG Board Action Item:** define membership and role and responsibilities.
- **Time for Scott Dorsch:** During the December HQG conference call, it was mentioned that Ninkasi is brewing two single hop pilot brews with two USDA advanced hop lines (2003060-011A and 2003063-012A.) These are the surviving two of six "advanced" experimental lines that Val and John Henning earlier identified as interesting - the other four have now been dropped for various agronomic

reasons. At some point (perhaps later in the agenda for the 23rd?) would you please insert the tasting/evaluation of these two experimental hop brews? I believe that Angela with the USDA plans to provide remnant T-90s of each experimental line for evaluation. I will confirm that with Val/Angela as well as organize some of the serving details with Daniel and Cole.

- **Cascade Cup judging – 2020 Winner was Tributary!**

