



BEE LINES

Regularly scheduled meetings are on the 2nd Tuesday of each month at 7 pm at [1305 Pine Avenue in Snohomish](#) in the Christ the King Lutheran Church building.

November 09

There is no report/minutes from last month's meeting.

This month our meeting will focus on electing our club officers for next year. Please make every effort to attend a club is only as good as the members make it. None of our club positions require a lot of personal time but we do need to fill each position. You don't need to be a long time beekeeper to hold office, I agreed last year to join the board even before I had any bees.

Message from our President.

Well everyone, I had a good year being the President of our club. There were some great things that happened during the year. Our club website had a major overhaul thanks to Dave Pearson. The Evergreen fair bee booth was well represented with all of the volunteers setting it up and manning it during the duration of the fair. Our membership is up this year. Thank you to all who participated in the monthly meetings. It has been a great learning experience for me too. It has also driven out the fact for me that with family obligations I will have to remove myself from consideration for president. I look forward to supporting the next new leader of our club.

All the best,
Scott

In the News.

Subject: [BEE-L] African and Africanized Bioacoustics

Now for something different.

As many of you know, we've been working for several years on a hand-held device that can diagnose bee diseases and the

presence of mites and other pests, based on the sounds that bee colonies produce.

We got the patent in place this spring.

We know that sound can be used to differentiate African from European honey bees.

Our system has shown to be capable of even distinguishing some of the European races of honey bee.

We want to add reliable EHB/AHB discrimination to our system; but to do this, we need data sets of really good recordings from the two races - and we need to know for sure that the EHB are truly EHB, the AHB are truly AHB - i.e. *Apis mellifera scutellata*.

Recordings of races of the EHB is not a problem, but getting AHB is a bigger challenge. At first, we'd like recordings of *scutellata*, not a hybrid - so S. Africa might be the best area to sample. And, it would be great to get Africanized bee samples from appropriate areas of S. America.

In order to add the capability of distinguishing European from African bees, and hopefully even hybrids; we need high quality recordings of bee sounds and volunteers (beekeepers/researchers) to take them - we would provide the necessary equipment on loan.

We'd ask the volunteers to sign a non-disclosure form - simply to protect our patents (i.e., we are concerned about others back-engineering our system, then using our own data to produce and sell



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a competing device), as well as an agreement to return the equipment in a timely manner.

We'd want to publish a paper on discrimination of honey bee races based on bio-acoustics, and we anticipate that the volunteer(s) would be co-authors.

We would like to obtain recordings from at least 100 individual colonies for each race of honey bee. Two minute recording per hive. And, we'd need some background on the hives - minimally, whether they are 'healthy', reasonably free of mites, hive beetles, etc. We can use recording of infested colonies, but need to know that they are infested, since that changes the sound profile. Again, for first trials, we'd like them to be in good shape, free of obvious bee pests and diseases - adding these other variables complicates things.

Ideally, we'd like recordings for each hive from different times of the day (morning, afternoon, night) during the active season (when bees are foraging). To take a recording, you simply slip a 12" (~ 30 cm) x 1/8" (3 mm) probe microphone in to the colony, wait for the bees to calm down, turn on the recorder, take a two minute recording (remembering NOT to talk while recording), then stop the recording and save the file.

Our primary objective is to distinguish AHB from EHB in the U.S., but if someone in Africa or SE Asia could sample other African races, that would be wonderful. We'd also be interested in recordings from Brazil as the point of origin of AHB.

Identification of the bee races will depend on the source - we may have to do some genetic sampling, but that also depends on where the samples are from, history (i.e., a research group supplying bees of known race), etc.

If you'd like to volunteer or know someone who may, please contact us off-list:

Robert Seccomb, project lead,
rseccomb@beealert.blackfoot.net
(mailto:rseccomb@beealert.blackfoot.net) ; or me at
beereseearch@aol.com
(mailto:beereseearch@aol.com) .

Thanks to all, maybe we can do some science together.

Jerry

J.J. Bromenshenk

Club By Laws.

As mentioned in last months news letter here is the second posting of the propped by law revisions. I have incorporated one minor change suggested by a member. Please take time to read and send me any comments you have. I hope to present this to the club at our January mtg.

Northwest District Beekeepers Association

Constitution and by-laws

Adopted February 24, 1981

Amended October 23, 1983

Amended January 12, 1999



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ARTICLE I: NAME

The name of this organization, one of non-profit, shall be The Northwest District Beekeepers Association based in Snohomish County, Washington.

ARTICLE II: PURPOSE AND FUNCTION

The purpose and function of the Association is the promotion of interest in bees and beekeeping throughout the northwest district of coastal Washington and most particularly Snohomish County, by such means as:

- (a) Encouraging good beekeeping management.
- (b) Encouraging legislation to assist and maintain beekeeping in Washington.
- (c) Encouraging the healthy utilization of information throughout the area about bees and beekeeping.

ARTICLE III: MEMBERSHIP

Membership in Northwest District Beekeepers Association shall be open to all persons interested in bees and beekeeping --upon payment of annual dues, on the first meeting of each year -- amount to be set by the board, at the last meeting of the proceeding year.

- (a) New members joining after the August mtg will be pro rated at 50% of the regular dues.

ARTICLE IV: OFFICERS AND TENURE

The officers of the association shall be (a) President, (b) Vice President, (c) Secretary, (d) Treasurer, and (e) three members to constitute the Board of Directors. ~~A Publicity Director shall be appointed by the President if necessary.~~

- (a) The President, Vice-President, Secretary and Treasurer shall serve for one (1) year. The Board of Directors shall serve for three (3) years: one being elected each year.
- (b) The President may not succeed him/herself for more than two (2) successive terms. He or she may be re-elected any time after a retirement of one (1) year.
- (c) All Elected Officers shall be members of the Association in good standing.
- (d) The President, Vice-President, Secretary, Treasurer and the three (3) members of the Board of Directors, shall constitute the Executive Board and will hereinafter be referred to as such.

ARTICLE V: MEETINGS

Meetings shall be on the second (2nd) Tuesday of every month except December -- unless conflicting with a holiday date. Alternate meetings shall be convened at the discretion of the Executive Board.

- (a) An informal Christmas potluck will be held on the second Tuesday in December.



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ARTICLE VI: ELECTIONS

The Nomination and Election of Officers:

- (a) ~~A Nominating Committee consisting of three (3) members shall be appointed at the annual, or November meeting. (Robert's Rules of Order specify that the President shall not do the appointing, consequently it will be up to the newly elected Board of Directors). The Nominating Committee shall submit a slate of two (2) nominees for each office at the October meeting.~~ Other Nominations can be submitted to the President up to one month prior to the November meeting additionally nominations may be made from the floor at the election meeting.
- (b) Election shall be at the November meeting ~~(or the last meeting of the year).~~
- (c) ~~A majority of fifty one (51) percent~~ The winner of each election will be the person obtaining the highest number of valid cast votes. ~~of the votes cast are necessary to elect.~~
- (d) A member voting in an election shall have his/her membership dues paid.
- (e) ~~Twenty five (25) percent of the members,~~ A minimum of four members of the Executive board and Five regular members present at any meeting shall constitute a quorum for regular club meetings.
- (f) Five Executive Board members present at all Executive Board meetings shall constitute a quorum.

ARTICLE: VII: AMENDMENTS

Amendments may be made by a two-thirds (2/3) majority vote of membership present at any regular meeting or at any interim or any special meeting called for that specific purpose providing a quorum is present.

ARTICLE VIII: MEETING RULES

The latest edition of Robert's Rules of Order shall be used as the authority for transacting the business of this Association.

ARTICLE VIII: ELECTRONIC MEDIA

- (a) The Executive board will be responsible for selecting the "webmaster" at the first meeting held each year.
- (b) NWDBA will retain sole rights to www.nwdba.org
- (c) The Webmaster can submit receipts for reimbursement for web domain name renewal
- (d) The webmaster can submit receipts for web hosting fees or can choose annual family membership in lue of reimbursement.
- (e) Newsletters will only be published electronically and will be emailed to the member email address on record.
- (f) Newsletters will be published no later than the Friday prior to that months meeting.
- (g) Admin and Moderators for the forum will be added or removed at the discretion of the executive board.



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- (h) Any significant changes to the content of the web page(s) must first be approved by the Executive board.

Suggested Form of the Meeting

The following order of business for this Association shall be used by the President, as far as possible:

1. Call to Order – Presidents welcoming message.
2. ~~Roll call of Officers & Board Members.~~
Around the room introductions.
3. ~~Secretary's reading of the Minutes from the last meeting.~~ Approval of minutes published in newsletter.
4. Treasurer's Report.
5. Correspondences.
6. ~~Committee Reports.~~
7. ~~Appointment of New Committees.~~
8. Old, or unfinished Business.
9. New Business.
10. Adjournment.
11. Introduction of Speaker(s).
12. Demonstrations, Films, Slides, etc.