



Texas Master Beekeeper Program Requirements

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The Texas Master Beekeeper Program is a beekeeper training and certification program provided by Texas Apiary Inspection Service and the Texas Beekeepers Association. The program offers four levels of training and advancement: Apprentice Beekeeper, Advanced Beekeeper, Master Beekeeper, and Master Craftsman Beekeeper. In order to obtain certification in each level, the previous level examinations and requirements must be completed successfully.

The Texas Master Beekeeper Program is administered by a program board. Members of the board provide training for candidates in the program, produce educational materials used in the program, create and administer certification exams, as well as oversee all logistical components of the program. The program board includes:

- Mr. Lance Wilson, Texas Beekeepers Association
- Ms. Mary Reed, Texas Apiary Inspection Service, Texas A&M University, Department of Entomology

Below is a list of requirements necessary for a candidate to fulfill in order for the candidate to achieve each level in the Texas Master Beekeeper Program. It is important that candidates read the requirements closely and make certain that all requirements are met in order to advance in the program.

Note – There is no minimum age requirement for Apprentice Beekeeper eligibility, however, examinations may be too difficult for children under 12 years of age. All students must enter the program at the Apprentice beekeeper level and no students are permitted to skip levels.

Apprentice Beekeeper Requirements

- A) Candidates must be a registered beekeeper in Texas or a registered beekeeper in their home state, even if registration in that state is not mandatory. If the home state does not offer colony registration, then adherence to this rule is not obligatory. The candidate's name must be on the registration list or the name must "umbrella" an individual – i.e. "Smith Family" on the registration list could cover husband, wife, and children. In Texas, hives should be registered with the Texas Apiary Inspection Service (<http://txbeeinspection.tamu.edu/>)
- B) Candidates must own or have owned at least one colony of honey bees for at least one year some time prior to taking the certification exams and at least one colony must be owned by the candidate at the time certification exams are administered. This means that a candidate for certification may have kept bees for at least one year at some time in the past (for example, five years earlier) *provided* that they own and manage a colony of bees when they take the certification exams (regardless of the length of time the new colony is owned).
- C) Candidates must score a 70% or higher on a written examination. The written test can include, but is not limited to: materials covered during previous Texas Beekeepers Association Conference lectures; information on the Texas Apiary Inspection Service website (<http://txbeeinspection.tamu.edu/>); information found on the African Bee Extension and Education Program website (<https://entnemdept.ifas.ufl.edu/honey-bee/extension/beekeeper-resources/african-bees/>); and literature

found on the Apprentice Beekeeper reading list (Appendix D). Exams are offered twice yearly, once in the spring and once in the fall.

- D) Candidates must score 70% or higher on a practical examination. The practical exam can include, but is not limited to: describing the physical parts of a beehive (common terms, not regional nomenclature); igniting and properly using a smoker; recognizing the various stages of brood, differentiating castes, and finding (or at least describing) the queen; differentiating between brood, pollen, and capped honey cells; recognizing propolis and describing its functions; and describing the layout of a brood nest (placement of honey, pollen, and brood), etc.

Advanced Beekeeper Requirements

- A) Candidates for this rank must have held the Apprentice Beekeeper rank at least one year and have been a practicing beekeeper for at least two years. Additionally, the candidate must be a Texas registered beekeeper or a registered beekeeper in their home state.
- B) Candidates *must show proof* of passing six (6) computerized honey bee training modules with a score of 80% or higher. These modules are available on the Texas Master Beekeeper website under the “Advanced” tab. The modules focus on (1) honey bee pests and diseases, (2) social wasps & bees, (3) pollination, (4) pesticides, (5) African honey bees, and (6) honey judging.
- C) Candidates must score 70% or higher on a written examination. The written exam can include, but is not limited to: materials covered during previous Texas Beekeepers Association Conference lectures; information on the Texas Apiary Inspection Service website (<http://txbeeinspection.tamu.edu/>); information found on the African Bee Extension and Education Program website (<https://entnemdept.ifas.ufl.edu/honey-bee/extension/beekeeper-resources/african-bees/>); and literature found on the Advanced Beekeeper reading list (see Appendix D). This examination will cover more information than that required for the Apprentice Beekeeper level. The exams will include information taught in the computerized honey bee training modules (“B” above).
- D) Candidates must score 70% or higher on a practical examination. The practical exam can include, but is not limited to: scoring a jar of show honey, reading pesticide labels and determining which is the safest to use around bees, identifying several beekeeping items, examining honey labels for errors, distinguishing between bees, wasps, hornets, etc., and identifying the anatomical structures of a bee and a flower.
- E) Candidates must perform and *document* completion of five (5) public service credits (Appendix A) with the provided service credit documentation form. A candidate can, and is encouraged to, complete and submit more than five public service credits prior to taking the Advanced Beekeeper examinations but the “extra” credits cannot be used toward satisfying credit requirements in higher program levels.

Master Beekeeper Requirements

- A) Candidates must have held the Apprentice and Advanced Beekeeper ranks for one year each and have been a practicing beekeeper for at least three years. Additionally, the candidate must be a Texas registered beekeeper or a registered beekeeper in their home state.
- B) Candidates must demonstrate and document 10 additional public service credits *beyond those* required for obtaining the Advanced Beekeeper level (Appendix A). “Extra” public service credits obtained

during the Advanced Beekeeper level cannot be used to satisfy public service credit requirements in the Master Beekeeper level.

- C) Candidates must choose and declare a major (see Appendix B) *and demonstrate/document* expertise in three (3) of 10 credits within the declared major. To do this, pick a major you are most comfortable undertaking. To become a Master Beekeeper, you will need to document completion of three credits *within* your major. “Double majors” are not allowed.
- D) Candidates must *demonstrate/document* expertise in five (5) “core” credits *outside* your major (see Appendix B). For example, if you major in “Diagnosis and treatment of honey bee pests, parasites, and pathogens”, then you can acquire the extra core credits in other majors like “Honey Judging”, “Pollination ecology and bee botany”, etc. Additionally, we list in Appendix B additional credits that can be counted as core credits, though they are not tied to any one major. Extra credits achieved during the course of your training can carry over to the next level. For example, completing 6 core credits for your Advanced certificate allows one credit to be applied towards your Master certificate since only five are required.
- E) Candidates must score 70% or higher on a written examination. The written examination can include, but is not limited to: materials covered during previous Texas Beekeepers Association Conference lectures; information on the Texas Apiary Inspection Service website (<http://txbeeinspection.tamu.edu/>); information found on the African Bee Extension and Education Program website (<https://entnemdept.ifas.ufl.edu/honey-bee/extension/beekeeper-resources/african-bees/>); and literature found on the Master Beekeeper reading list (Appendix D).

Master Craftsman Beekeeper Requirements

(Please give the program board members 60 days’ notice prior to the testing date)

- A) Candidates must have held the Master Beekeeper rank for at least two years and kept bees at least five years. Additionally, the candidate must be a Texas registered beekeeper or a registered beekeeper in their home state.
- B) Candidates must have 15 credits of public service work *beyond those* required for a Master Beekeeper (Appendix A). “Extra” public service credits obtained while certifying for the Advanced level and/or the Master Beekeeper level cannot be applied to the 15 total public service credits needed to achieve Master Craftsman status.
- C) Candidates must satisfy five (5) additional credits toward their major (for a total of eight (8) credits toward major – three [3] credits were completed in the Master Beekeeper level) (Appendix B). If a student changes his major, he must satisfy eight (8) total credits toward new major unless previously acquired credits overlap with new major. Extra credits obtained while certifying for the Master Beekeeper level can be applied to the eight total major credits needed to achieve Master Craftsman status.
- D) Candidates must demonstrate expertise in eight (8) additional core credits *outside their major* and beyond that required for a Master Beekeeper (see Appendix B).
- E) Candidates must demonstrate and *document* communication skills (Appendix C).

- F) Candidates must pass an oral examination. In addition to meeting all expectations for the earlier grades, individuals of the Master Craftsman level must demonstrate substantial knowledge of honey bee biology and behavior, bee management and the broader impact of honey bees in ecosystems and pollination apiculture. The candidate is tested by at least three individuals from the Master Beekeeper program board and others may be included. The candidate will be tested on one specific area of his or her choice and will notify the board of that selection at least ten days before the scheduled exam date. In addition a 30 minute PowerPoint presentation must be presented by the candidate on a subject assigned by the program board. The program board will assign the subject to the candidate at least 30 days before the scheduled exam date.
- G) Candidates must participate substantially in a Texas A&M University (or other university), Texas Apiary Inspection Service, or USDA sponsored research or extension project. In short, the candidate should participate substantially in a study or research project of university caliber rather than their own research initiative. To satisfy this research requirement a description of the research, a clear description of the candidate's role in it, its potential outcomes and relevance to bee science or beekeeping must be received by the program board for approval prior to study involvement. The candidate will be required to present a 30 minute PowerPoint presentation on their research project and should expect to be questioned rigorously to the satisfaction of the program board to meet this requirement. The candidate will be expected to explain their contribution to the project and he or she should have a good working knowledge of all aspects of the research project and not just their area of contribution.

APPENDIX A

Public Service Requirements for the Advanced, Master, and Master Craftsman Levels

Candidates for the Advanced Beekeeper rank and higher **must document** a certain number of public service credits. Public service is defined as volunteer service or educational activity oriented around bees and beekeeping and conducted for the benefit of the *general public*. **Educational activities in conjunction with commercial ventures or monetary benefits do not qualify.**

One public service credit equals a single, **documented** event of a qualified public service. Multiple repetitions of a particular activity may count, but only if they involve separate events or invitations. For example, two presentations to fifth grade science classes may qualify as two public service credits, but the presentations cannot be the same and must be given to a different audience for both times (giving four successive presentations to four class periods will not count as four separate credits if the presentations are the same). If a candidate has any question about whether or not a specific activity will count toward a public service credit, he/she is encouraged to contact the Texas Master Beekeeper Program board.

In order to receive credit for a public service, the event **must be documented**. Primary documentation is represented by completion of the below form or by original media: conference programs, testimonial letters from third parties, newspaper clippings, photographs, or video recordings. Secondary documentation may lack material evidence of the activity, but must at least include a written statement with the title of the event, date, place, time topic, target clientele group and number attended, description of the activity, and its outcome. In general, documentation must be material evidence, in writing, and more detail is better than less. Program directors reserve the right to accept or reject documentation during program audits. ***Candidates for Advanced, Master, and Master Craftsman Beekeeper ranks must submit documentation to the Master Beekeeper Program board prior to taking the written examination. We provide a documentation form below.*** The following activities are pre-approved for satisfying public service credit requirements. Other activities may be considered, but candidates are advised to contact program board members about specific cases.

- 1) Present a bee-related lecture or workshop to a non-beekeeping group (youth or adult).
- 2) Hold an office in a local beekeeping association.
- 3) Appointment by a local County Extension office or other municipal agency as an expert contact on bee related questions or issues.
- 4) Assist members of youth organizations (4-H, Scouts, FFA, etc.) with project work.
- 5) Mentor a new beekeeper through at least one complete year.
 - a. Advanced level candidates may mentor a maximum of 2 new beekeepers and will receive credit for each mentee.
 - b. Master level and Master Craftsman level candidates may mentor a maximum of 3 new beekeepers and will receive credit for each mentee.
- 6) Give a public demonstration on a beekeeping topic at a fair, festival, or similar public event.
- 7) Provide a hive of bees to pollinate a public garden.
- 8) Establish and maintain an observation hive for a school, civic group, museum, etc.

Additional Public Service Credit opportunities:

A candidate may count presentations focused towards beekeeping audiences (regional/state/national levels) as Public Service Credits, but the events must abide by the following stipulations:

1. For Advanced level candidates:
 - a) Each presentation to a beekeeping audience will count for ½ a Public Service Credit.
 - b) The presentation must be a minimum of 45 minutes.
 - c) The candidate is only allowed to conduct a maximum of 2 presentations equaling a total of 1 Public Service Credit.
 - d) Each presentation topic must have an educational focus on honey bees or beekeeping. The Texas Master Beekeeper board may refuse credit if the topic is not relevant to the industry.

2. For Master level and Master Craftsman level candidates:
 - a) Each presentation to a beekeeping audience may count as ½ a Public Service Credit.
 - b) The presentation must be a minimum of 45 minutes.
 - c) The candidate is only allowed to conduct 10 presentations equaling a total of 5 Public Service Credits.
 - d) Each presentation topic must have an educational focus on honey bees or beekeeping. The Texas Master Beekeeper board may refuse credit if the topic is not relevant to the industry.

3. Acquiring Public Service Credits for Texas Beekeepers Association events:
 - a) Candidate must volunteer to be on a committee and apply significant effort towards organizing the event.
 - b) Only applies to the TBA Summer Clinic and the TBA Fall Convention.
 - c) Each event the candidate volunteers for will count for ½ a Public Service Credit.



Level of Program Testing for: _____

(Advanced, Master, Master Craftsman)

Candidate should retain completed form to turn in on day of exam.

Documentation of Public Service Credits

TEXAS MASTER BEEKEEPER PROGRAM

(to be completed with assistance from Master Beekeeper Program candidate and signed by representative from organization sponsoring/hosting the event)

On this date: _____, (name) _____, a candidate for the Texas Master Beekeeper Program, provided or completed an act of public service, which covered the following subject matter related to beekeeping, honey bee pollination, or honey production:

(Please circle applicable areas)

- | | |
|---|--|
| 1. Presenting bee-related lecture or workshop to non-beekeeping group | 5. Presenting a public demonstration on beekeeping topic at fair, festival or similar public event |
| 2. Holding office in a local beekeeping association | 6. Providing a hive of bees to pollinate a public garden |
| 3. Assisting members of youth organizations with project work | 7. Establishing and maintaining an observation hive for school or civic group |
| 4. Mentoring a new beekeeper through at least one complete season | Other: _____ |

Organization name: _____

Name of event: _____ Date: _____

General description of event: _____

Estimated number of participants/attendees: _____

Printed name/title of representative/witness: _____

Signature of representative/witness: _____

Contact information (phone and/or email) for signee: _____

APPENDIX B

The following credits may be considered as core credits *outside* one's given major (i.e. completion of these credits does not count toward the credit requirement within one's major but rather towards the credit requirements *outside* of one's major):

1. Publish an article in beekeeping publication (excluding newsletters)
2. Publish an article in a non-beekeeping publication (with at least state-wide distribution)
3. Recognition as a beekeeping authority in your local area by appearing on radio or TV
4. Attend at least three regional or higher meetings (multi-state, national or international beekeeping meetings)
5. Conduct a program or workshop at a state, regional, national or international meeting or convention
6. Participate in a beekeeping research or extension project at an approved institution
7. Acquire other certified bee-related training as approved by the Texas Master Beekeeper board
8. Serve two or more years as officer of a bee organization at state level or higher (need not be consecutive nor in the same organization)

Majors and Requirements

Candidates **MUST** be able to document activities. Candidates are free to suggest other majors/requirement not listed below to the program board.

1) Diagnosis and Treatment of Honey Bee Pests, Parasites, and Pathogens

- a) Pass (with 70% or higher) a tutorial on diseases of the honey bee.
- b) Pass (with 70% or higher) a tutorial on pests/parasites of the honey bee.
- c) Present a lecture on bee pests/diseases at a state beekeepers meeting or higher.
- d) Switch to and document the use of IPM (integrated pest management) in your personal beekeeping operation.
- e) Serve as a "local expert" and assist other beekeepers in proper disease/pest diagnosis in their colonies.
- f) Acquire a personal pesticide applicator license.
- g) Create a reference collection (sterile) of bee pests and diseases.
- h) Research and write a review of one pest or disease of honey bees. The review will be published on the Texas Master Beekeeper Program's website. The written review must be accompanied by a PowerPoint presentation.
- i) Generate a pamphlet or handout that covers a honey bee pest or disease.
- j) Attend three (3) training workshops on bee pests/diseases.

2) Pollination Ecology and Bee Botany

- a) Provide pollination services for a gardener (not self) or a commercial fruit/nut/vegetable grower.
- b) Plant a bee-friendly garden in a public area (library, town square, etc.).
- c) Present a lecture on pollination ecology or bee botany at a state or higher level beekeepers meeting.
- d) Produce a handout of local honey production plants and when they bloom for local (county or region) clientele.
- e) Pass (70% or higher) a practical examination on bee-friendly plants.
- f) Research and review one plant that is a major honey production plant in Texas. The review will be published on the Texas Master Beekeeper Program's website. The written review must be accompanied by a PowerPoint presentation.
- g) Become a certified Texas Master Gardener or Texas Master Naturalist.
- h) Document work with pollinator education to the general public.
- i) Create a museum-quality plant collection of regional honey production plants.
- j) Create a honey bee photo library of 10 original photos of honey bees on plants (please be sure all plants

are identified correctly before submitting).

- k) Document culture/maintenance of other bee species (bumble bees, mason bees, etc.)

3) Honey Judging

- a) Judge a state level or higher honey show.
- b) Obtain certification as a Welsh Honey Judge (offered annually at the University of Florida Bee College).
- c) Win 1st or 2nd place in any category of a state or higher level honey show.
- d) Document an ability to produce mead.
- e) Pass (70% or higher) a practical examination on honey judging.
- f) Research and review one type of honey important to the Texas beekeeping industry. The review will be published on the Texas Master Beekeeper Program's website. The written review must be accompanied by a PowerPoint presentation.
- g) Educate the public about hive products and their use at a fair booth or other such event.
- h) Provide documentation for maintaining a Texas-licensed honey house.
- i) Document knowledge (through written examination, creating of extension bulletins, etc.) of honey production/processing and other products of the hive.

4) Beekeeping for International Rural Development

- a) Document knowledge (through written examination, creation of extension bulletin, etc.) of alternative methods of queen rearing.
- b) Pass (70% or higher) a practical examination of bee pests/diseases, including non-chemical control of these disorders.
- c) Document knowledge (either through written examination, creating extension bulletins, etc.) of honey production/processing and other products of the hive, including value adding theory.
- d) Document proficiency in hive equipment assembly.
- e) Volunteer for FAVACA, Winrock, Partners of America, or other similar organizations.
- f) Become a certified Texas Master Gardener or Texas Master Naturalist.
- g) Win 1st or 2nd place in any category of a state or higher level honey show (this demonstrates experience in quality control, which can then be applied to rural honey production).
- h) Document knowledge (through written examination, creation of extension bulletins, etc.) of pollination ecology, general honey bee biology, and colony management for honey production.

5) Queen Production

- a) Document that you are rearing queens according to the Texas Apiary Inspection Service best management practices (BMPs).
- b) Attend a course focused on rearing honey bee queens.
- c) Pass (70% or higher) an examination of mating biology and bee genetics.
- d) Research and write a review on alternative queen rearing methods. The review will be published on the Texas Master Beekeeper Program's website. The written review must be accompanied by a PowerPoint presentation.
- e) Volunteer at least 40 hours with a professional queen breeder.
- f) Research and write a review on one race of honey bee. The review will be published on the Texas Master Beekeeper Program's website. The written review must be accompanied by a PowerPoint presentation.
- g) Serve as a "local expert" and assist other beekeepers with queen production.
- h) Pass (with 70% or higher) a tutorial on Africanized honey bees.
- i) Mentor/train others in the dynamics of queen rearing.
- j) Select for resistance traits in your own queen rearing operation.
- k) Demonstrate competence in small-scale queen rearing.

6) Africanized Honey Bees

- a) Generate Africanized bee extension information (presentations, extension documents, etc.) for a specific target audience (Pest Control Operators, Master Gardeners, etc.).
- b) Pass (with 70% or higher) a tutorial on Africanized honey bees.
- c) Pass (70% or higher) an examination of mating biology and bee genetics.
- d) Acquire a restricted use pesticide license.
- e) Document knowledge and participation in a colony bait hive service.
- f) Visit another area affected by Africanized bees (southwestern U.S., Central/South America, etc.). You must be able to document work with the Africanized bees while in the area.
- g) Serve as a “local expert” and assist other beekeepers with Africanized bee related issues.
- h) Document that you keep personal bee colonies according to Texas Apiary Inspection Service best management practices (BMPs).
- i) Present a lecture on Africanized honey bees at a state level or higher beekeeper meeting.
- j) Document attendance of an African Honey Bee Training for Pest Control Operators workshop (must be at least 2.5 hours long).
- k) Document attendance at an African Honey Bee Training for First Responders workshop (must be at least 2.5 hours long).

7) Advanced Bee Husbandry

- a) Switch to and document the use of IPM (integrated pest management) in your personal beekeeping operation.
- b) Pass (70% or higher) a practical examination of honey bee pests/diseases.
- c) Provide pollination services for a gardener (not self) or a commercial fruit/nut/vegetable grower.
- d) Plant a bee-friendly garden in a public area (library, town square, etc.).
- e) Become a certified Texas Master Gardener or Texas Master Naturalist.
- f) Document knowledge (through written examination, creating of extension bulletins, etc.) of honey production/processing and other products of the hive, including value adding theory.
- g) Document that you are rearing queens according to Texas Apiary Inspection Service best management practices (BMPs).
- h) Attend a course focused on rearing honey bee queens.
- i) Document working any *Apis* species outside of the United States.
- j) Pass (70% or higher) an examination on mating biology and bee genetics.

8) Native Bee Apiculture

- a) Build a native bee nest habitat for a community garden or commercial fruit/nut/vegetable grower.
- b) Build a native bee nest habitat in a public area such as a library, a town square, or a school.
- c) Present a lecture on (1) native bee diversity or (2) how to create native bee habitats at a state, regional (multi-state), national or international beekeepers meeting.
- d) Produce an educational color pamphlet or brochure of local native bees for local (county or region) clientele. All photos used must be cited and permissions granted by the photographer or copyright holder; a reference list is required.
- e) Pass (with a score of 70% or higher) a practical examination on bee and wasp identification.
- f) Research and produce a review of one species of native Texas bee. The review will be published on the Texas Master Beekeeper Program website. The written review must be accompanied by a slideshow presentation.
- g) Participate in a university study about native bees and show documentation.
- h) Conduct a survey using native bee monitoring techniques, and report on the local native bees present in your area with a digital photograph collection of regional bees and wasps complete with an index that provides date/location/identification information for each photo or a museum-quality insect collection of

regional bees and wasps complete with collector and species identification labels.

- i) Document work to provide native bee education to the general public.
- j) Write an article centered around a specific native bee or around native bees in general to be published in a popular journal, magazine, or website.

9) Beekeeping Educator

(where used as major credits, they may not also be claimed as PSC and vice versa.)

- a) Present two PowerPoint style presentations or hands-on workshops at a regional, state, national, or international convention, seminar, or clinic. Overall attendance to the event needs to be 200 or more. Each presentation needs to be at least 45 minutes in length.
- b) Conduct two or more live colony inspection workshops teaching hive manipulation and management skills to non- or new beekeepers. Must have 5 or more suited attendees and one hour in length to qualify.
- c) Produce three or more PowerPoint presentations as a resource for local bee clubs to be published on the Texas Master Beekeepers Program's website. To qualify each PowerPoint deck must contain at least 40 fully annotated slides and be submitted to a TMBP Board member for credit approval 10 days or more before the testing date.
- d) Produce an original educational pamphlet or brochure detailing an aspect of beekeeping (i.e. extracting honey, building equipment, etc.) for distribution among beekeepers. (All photos used must be cited and permissions granted by the photographer or copyright holder; a reference list is required).
- e) Produce an original educational pamphlet or brochure explaining a bee-related issue for distribution to a specific target audience (All photos used must be cited and permissions granted by the photographer or copyright holder; a reference list is required).
- f) Assume a Program Director position for a regional, state, national, or international convention, seminar, or clinic. It must be a multi-tracked event with 200 attendees or more. (A Program Director selects class topics, curriculum, and presenters and manages the presenters through the event).
- g) Provide documentation of successful beekeeping mentorship (i.e., the individual you are mentoring is showing clear progress due to your instruction) via self-created pre- and post-tests, and other evaluations to document growth and progress.
- h) Publish an article in a beekeeping publication with at least state-wide distribution. The article must be in a newsletter or state journal to qualify.
- i) Generate extension information (presentations, extension documents, etc.) for tips on talking to the general public about bees or beekeeping. Should include guidelines for presenting bees and beekeeping in a positive light, include common Q&As and specifics for speaking to young children (under 10). This would be given to volunteers at rodeos, state fairs and other venues where beekeepers talk to the public. Added as a resource to TBA and TMBP websites.

APPENDIX C
Communication Skills

- 1) Candidate must present a program at a state beekeeper conference. Program may be in the form of a general presentation, workshop, or similar activity.
- 2) Candidate must complete two of the following activities:
 - a) Prepare and publish an article in a beekeeping journal.
 - b) Prepare and publish an article on bees or beekeeping in a non-beekeeping publication.
 - c) Be interviewed on the radio or a television program regarding honey bees and/or beekeeping.
 - d) Be featured in a newspaper article regarding honey bees and/or beekeeping.

APPENDIX D
Suggested Reading List for Apprentice Level Examinations

Books:

- 1) The Beekeeper's Handbook, 4th Edition – Diana Sammataro and Alphonse Avitabile (2011)
- 2) First Lessons in Beekeeping – Keith Delaplane (2007)
- 3) Backyard Beekeeping, Weeks Ringle – Kim Flottum (2005)
- 4) Honey Bee Biology and Beekeeping, 2nd Edition – Dewey Caron (2013)

Periodicals:

- 1) American Bee Journal
- 2) Bee Culture

Suggested Reading List for Advanced Level Examinations (in addition to those listed for the Apprentice Level Examination)

Books:

- 1) The Hive and the Honey Bee, Extensively Revised Edition– Dadant and Sons, Inc. (2015)
- 2) The Biology of the Honey Bee – Mark Winston (1991)
- 3) Honey Bee Diseases & Pests, Third Edition-Stephen F. Pernal and Heather Clay (2015)
- 4) The Honey Bee-V.R. Vickery (1991)
- 5) Increase Essentials-Lawrence John Connor (2006)
- 6) Killer Bees- Mark L. Winston (1992)
- 7) [Georgia Master Beekeeper Lecture Notes](#)

Websites:

- 1) All “honey bee” entries (search for “honey bee”) at: <http://edis.ifas.ufl.edu/>
- 2) Texas Apiary Inspection Service: <http://txbeeinspection.tamu.edu/>
- 3) The University of Florida AFBEE: <https://entnemdept.ifas.ufl.edu/honey-bee/extension/beekeeper-resources/african-bees/>
- 4) Bee Informed Partnership: <https://beeinformed.org/>
- 5) eXtension: America's Research-based Learning Network: <https://bee-health.extension.org/>
- 6) Honey Bee Health Coalition: <http://honeybeehealthcoalition.org/Varroa/>

Suggested Reading List for Master Level Examinations (in addition to those listed for the Apprentice Level and Advanced Level Examinations)

Books:

- 1) Bees, Wasps and Ants-Eric Grissell (2010)
- 2) Honey Bee Colony Health-Diana Sammataro & Jay A. Yoder (2012)
- 3) ABC & XYZ of Bee Culture – A.I. Root (2007)
- 4) Honeybee Ecology- Thomas D. Seeley (1985)
- 5) Africanized Honey Bees-Dewey Caron (2001)
- 6) Bee Sex Essentials- Lawrence John Connor (2008)
- 7) The Hive and Honey Bee Revisited (An annotated update of the L.L. Langstroth's beekeeping classic) Roger Hoopingarner (2006)
- 8) The Buzz about Bees –Jürgen Tautz-(2008)
- 9) Honeybee Democracy-Thomas D. Seeley (2010)
- 10) Swarm Essentials- Stephen J. Repasky (2014)