

**59TH ANNUAL
SOUTHERN FORESTRY CONCLAVE**



CLEMSON UNIVERSITY

Emergency Contact Information

In case of an Emergency, please contact **911**

Anderson County Sheriff's Office	(864)-260-4400
Clemson Police Department	(864)-624-2000
AnMed Health Medical Center	(864)-512-1000
CUPD	(864)-656-2222

Conclave Host Contact Information

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Table of Contents

Welcome to Conclave!	4
Risks Associated with Conclave	5
Schedule of Events	6
Maps	8
Order of Schools by Event	13
2016 Conclave Protest Committee and Conclave Judicial Board	14
2016 Collegiate STIHL® TIMBERSPORTS® General Rules	15
General Statement of Conclave Rules	17
Association of Southern Forestry Clubs Constitution	65
ASFC By-Laws	67
Faculty Advisors	77
Appendix	78

Welcome to Conclave!

The Clemson University Student Chapter of the Society of American Foresters and Forestry Club would like to welcome you to the 59th Annual Association of Southern Forestry Clubs Forestry Conclave! This event is the culmination of months of hard work from the Clemson Forestry Club members, our professors and volunteers, and the Forest Industry working together. The Forestry Conclave is a time-honored tradition that celebrates not only the history of the field of forestry, but the brotherhood that we share being professionals in the Natural Resources Industry. In respect to this, we genuinely hope that this is the best conclave you've experienced yet.

This year, the Conclave will be held at Denver Downs Corn Maze Inc. located off of highway 85 and 76 (1515 Denver Road, Anderson, SC 29625). We will be located about 25 minutes from Clemson University campus, and we invite you to go explore campus as well as the town of Clemson if you have the chance.

Most events (excluding some technical events and Stihl Timbersports Series) will be held on site and all schools wanting to camp are more than welcome and will be provided with campsites. The conclave will start Thursday night (March 17) with nonpoint competitions, and physical and technical events will start on Friday (March 18) and continue into Saturday (March 19). The Stihl Timbersports Series will be held at the Double J Arena Friday night, and an awards ceremony will be held Saturday night to wrap-up the weekend.

Events at Denver Downs and Double J will be open to the public, and we expect families (including children), local media and Clemson University administration to be in attendance. With this in mind, we cannot overemphasize the importance of representing the forestry profession – and our respective universities – in a positive manner. Have fun, but be responsible. We kindly ask that all attendees review the Conclave Judicial System (page 70) prior to attending.

While at Conclave feel free to approach our volunteers if you have any questions or concerns. Our volunteers will be wearing orange shirts with 'STAFF' printed across the backs.

We would like to thank all of our volunteers and sponsors that made this event possible, and, once again, we are proud and excited to be hosting the 59th ASFC Forestry Conclave. We hope that this is the best one yet!

Sincerely,



Jesse Burdett

Forestry Club President



Tyler Visin

Forestry Club Vice President



Evan Ledford

Conclave Chair

Risks Involved with the Association of Southern Forestry Clubs Conclave

Conclave is held every spring and is hosted by one of 15 schools in the Association of Southern Forestry Clubs (ASFC). In conclave, there are 14 physical events, which consist of archery, axe throwing, knife throwing, chain throwing, log birling, log chopping, log rolling, men's and women's bow sawing, men's and women's crosscut sawing, jack and jill crosscut sawing, pole climbing, and pole felling. Also, there are 8 technical events that consist of compass and pacing, DBH estimation, dendrology, photogrammetry, pole classification, timber estimation, wildlife identification, and wood technology. In the physical events, and some technical events, there are risks to the participants and to the spectators of the physical events. Technical events are "closed" to spectators.

Overall Risks

The risks involved can range from minimal to serious. Throughout the physical events some of the risks would be minor cuts, bruises, sprained ankles and broken bones from falls, and/or deep open cuts from using sharp saws and axes. The risk of injury in the technical events is generally lower. They could consist of scratches, bruises, sprains and broken bones from falls, and because some of the events occur in the woods, twigs in eyes, ticks and chiggers, and snake bites are possible. There is a chance a branch or even a tree might fall and hit someone while in the woods. Also, there is the chance of tripping and striking one's head on a tree or other hard object.

Schedule of Events

Thursday, March 17th 2016

11:00 AM - 4:00 PM	Registration, Orientation, and Practice	<i>Ticket Booth/Brown</i>
4:30 PM	Nonpoint Competitions (Tug-of-War, Bolt Toss, Cookie Discus)	<i>Purple</i>
6:00 PM	Dinner	<i>Main Barn/Yellow</i>
7:00 PM	ASFC Executive and Faculty Advisor Meeting	<i>Main Barn/Yellow</i>

Friday, March 18th 2016

7:00 AM	Breakfast	<i>Main Barn/Yellow</i>
7:45 AM	Check-in for Technical Events Round 1	<i>Green</i>
8:00 AM	Technical Events Round 1 (DBH Estimation, Compass and Pacing, Wood ID, Wildlife ID)	<i>Green</i>
9:45 AM	Check-in for Technical Events Round 2	<i>Green</i>
10:00 AM	Technical Events Round 2 (Timber Estimation, Photogrammetry, Dendrology, Pole Classification)	<i>Green</i>
12:00 PM	Lunch (Team Pictures) (Odd-numbered Teams)	<i>Main Barn/Yellow</i>
1:00 PM	Knife Throw	<i>Purple</i>
1:30 PM	Axe Throw	<i>Purple</i>
2:30 PM	Pole Felling	<i>Blue</i>
3:30 PM	Log Birling	<i>Black</i>
11:00 AM - 4:00 PM	Stihl Timbersports Contestant Registration	<i>Double J Arena</i>
4:45 PM	Protest Committee and ASFC Executive Meeting	<i>Main Barn/Yellow</i>
5:00 PM	Dinner	<i>Main Barn/Yellow</i>
4:00 PM - 6:00 PM	Stihl Timbersports Competitor Wood Block Setup	<i>Double J Arena</i>
6:00 PM - 6:45 PM	Stihl Timbersports Participant Rules Presentation	<i>Double J Arena</i>
7:00 PM - 9:00 PM	Stihl Timbersports Competition	<i>Double J Arena</i>

Schedule of Events (Continued)

Saturday, March 19th 2016

7:00 AM	Breakfast	<i>Main Barn/Yellow</i>
8:00 AM	Archery	<i>Purple</i>
9:00 AM	Chain Throw	<i>Purple</i>
10:00 AM	Men's Bow Saw	<i>Purple</i>
11:00 AM	Women's Bow Saw	<i>Purple</i>
12:00 PM	Lunch (Team Pictures) (Even-numbered Teams)	<i>Main Barn/Yellow</i>
1:00 PM	Pole Climb	<i>Purple</i>
2:00 PM	Log Rolling	<i>Purple</i>
3:00 PM	Crosscut Saw (Men's, Women's, and Jack and Jill)	<i>Purple</i>
5:00 PM	Log Chop	<i>Purple</i>
5:45 PM	Protest Committee Meeting	<i>Main Barn/Yellow</i>
6:30 PM	Dinner	<i>Main Barn/Yellow</i>
7:30 PM	Awards Ceremony	<i>Main Barn/Yellow</i>
9:00 PM	Late Checkout (If leaving on Saturday night)	<i>Main Barn/Yellow</i>

Sunday, March 20th 2016

7:00 AM - 12:00 PM	Checkout	<i>Main Barn/Yellow</i>
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Maps

Main Conclave Site



Red - Parking/Camping

Brown - Registration and Information

Purple - Physical Events

Yellow - Main Barn

Green - Technical Events

Blue - Pole Fell

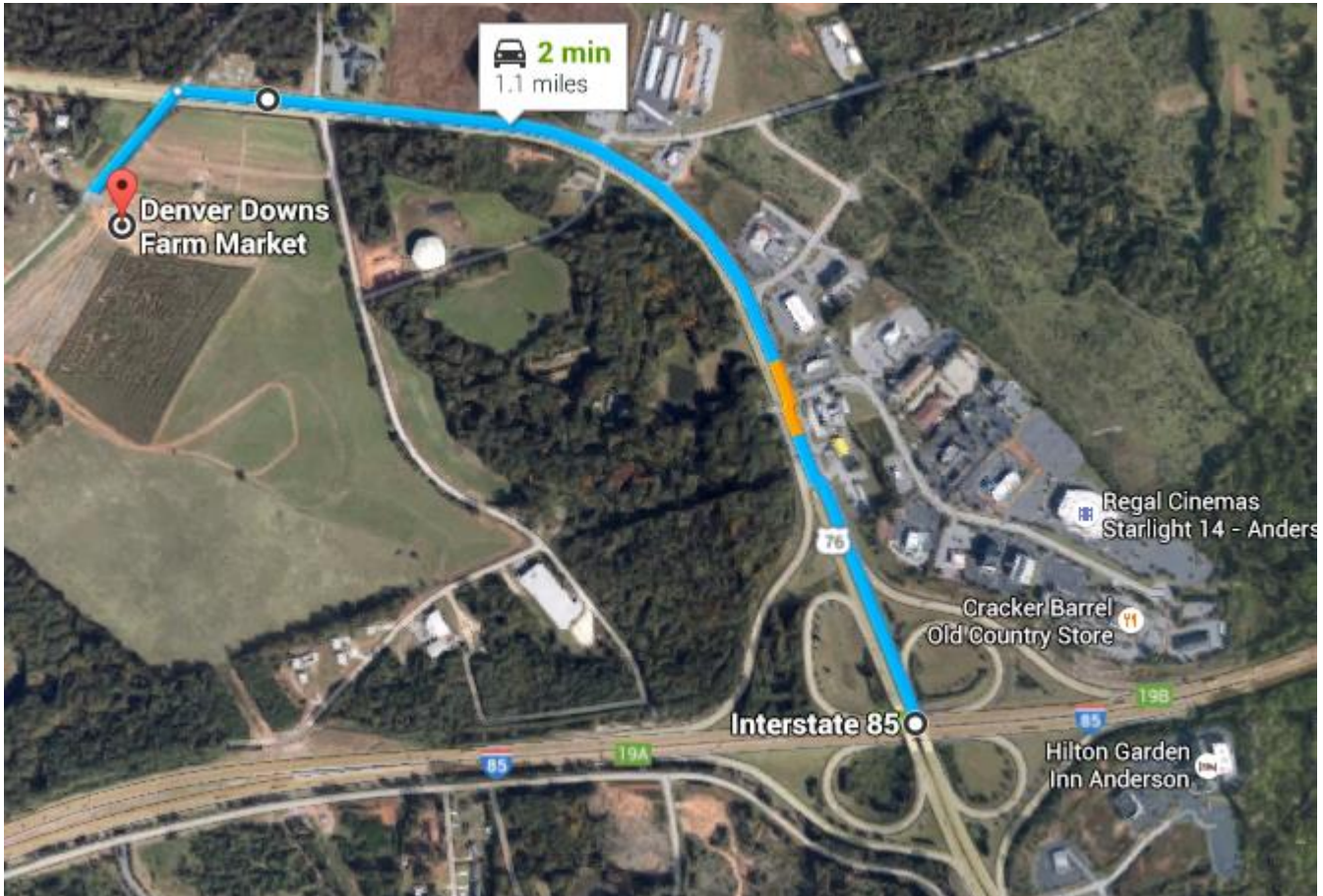
Directions to Denver Downs Farm, Anderson SC from I-85

From: I-85

To: 1515 Denver Road Anderson, SC 29625

Take Exit 19b onto US-76 towards Clemson/Seneca

Continue 1.1 Miles, turn left onto Denver Road



Stihl Timbersports Competition

Directions from Equipment Show Site to Double J Arena

From: 1515 Denver Downs Road, Anderson SC 29625

To: 501 Lockaby Road Pendleton SC

Turn Right on US-76 towards I-85, continue for 1 mile
Turn right onto I-85 North towards Greenville Continue for 7.7 Miles.
Take exit 27 and turn left onto SC-81 and continue for 1.8 Miles
Take a slight left onto Firetower road and continue for 2.3 miles
Turn left onto Lockaby Road, and continue for 0.7 miles
Double J Arena will be on the right

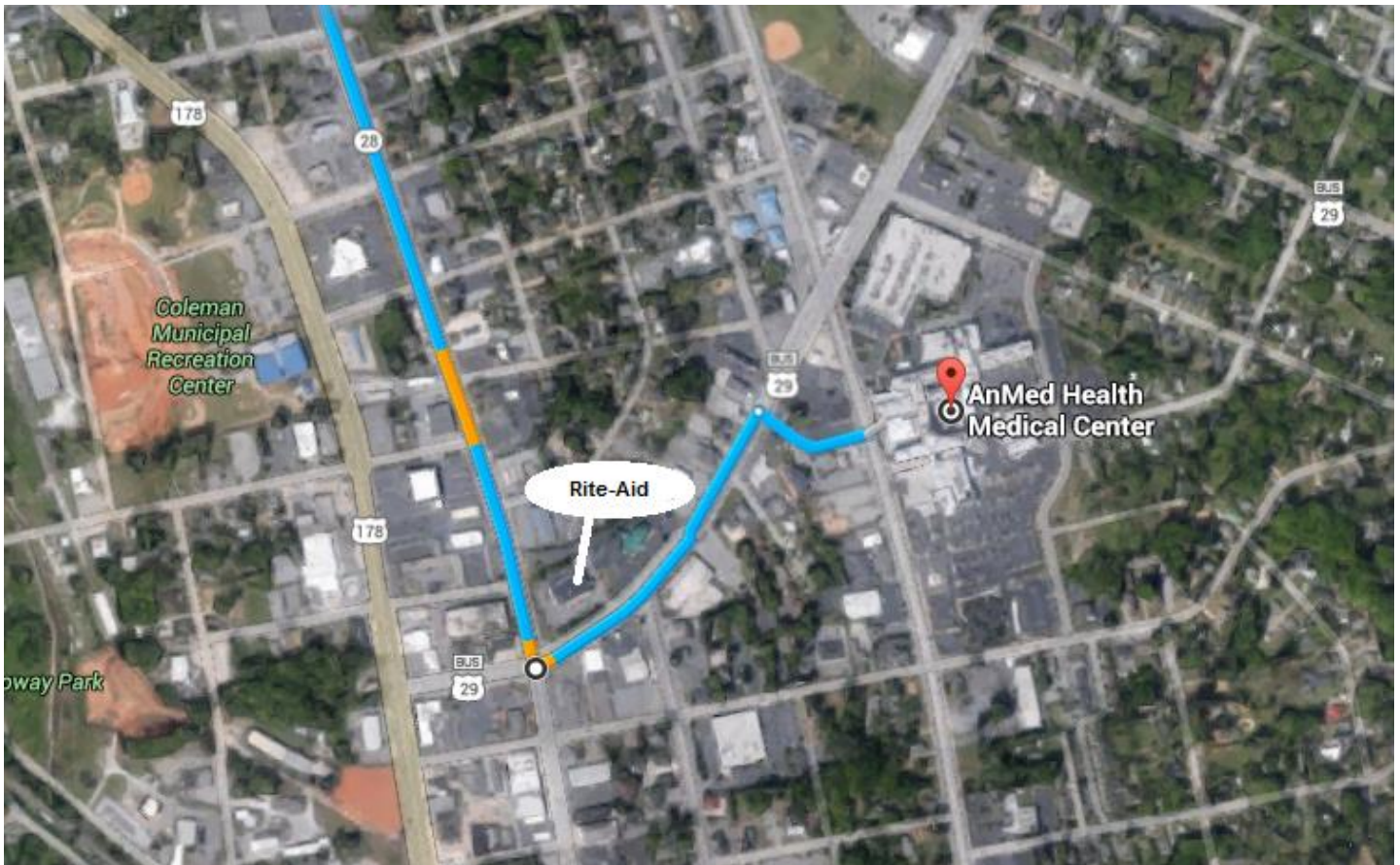


Directions from Denver Downs Farm to AnMed Medical Center

From: 1515 Denver Road Anderson, SC 29625

To: 400 Hospital Road, Starkville, MS 39759

Turn Right on to US-76 East towards Anderson. Continue 4.7 miles
Use right 3 lanes to take a slight left onto N. Main street. Continue 2.2 miles
Turn left onto Greenville Street East. Continue for 0.2 Miles
Turn right onto Duckett Street. AnMed will be at the end

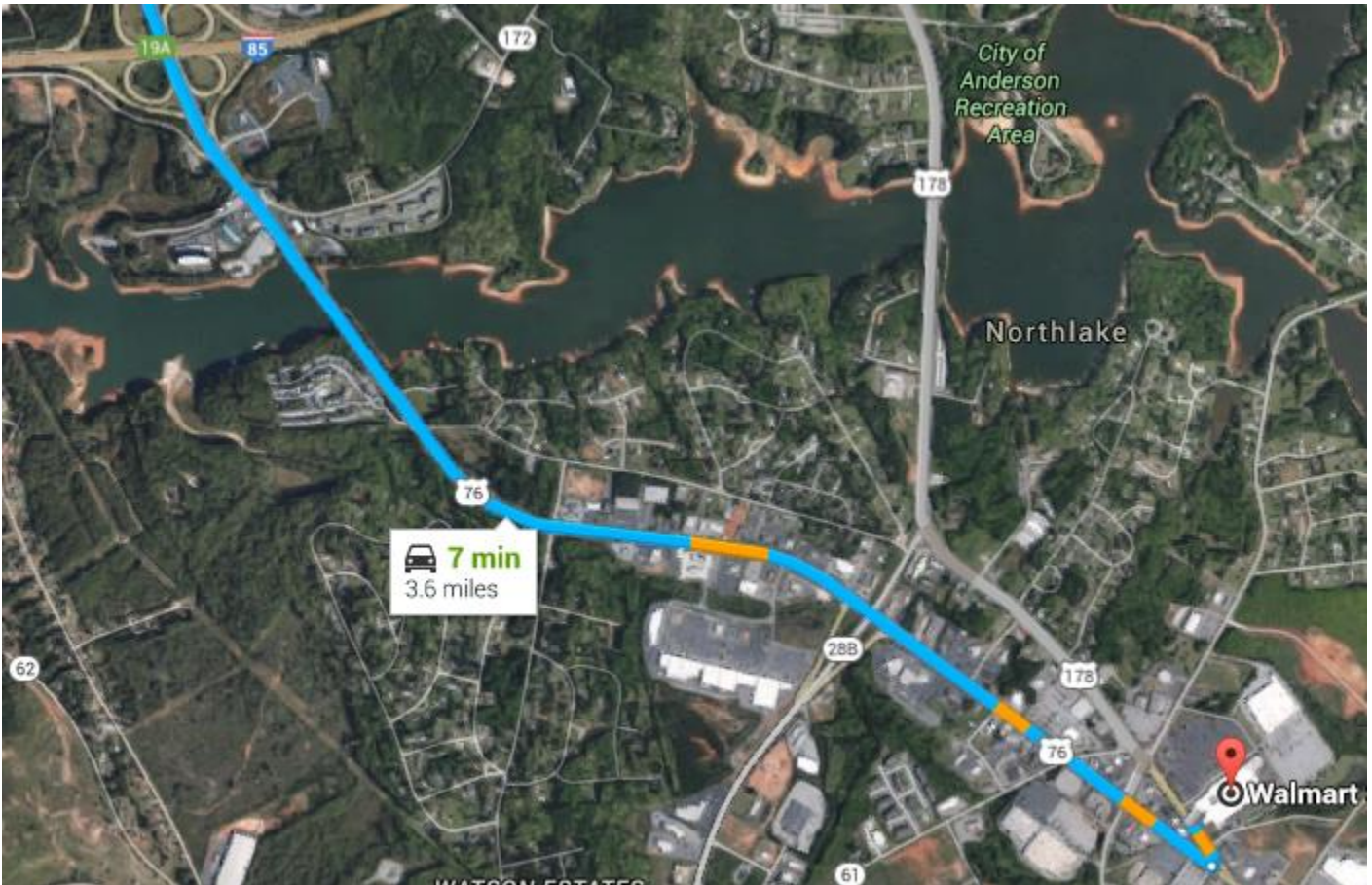


Directions to Walmart

From: 1515 Denver Road Anderson, SC 29625

To: 913 MS 12, Starkville, MS 39759

Turn right onto US-76 east. Continue for 3.4 miles
Turn hard left onto US-178 West. Walmart will be on the right.



Order of Schools by Event

	ABAC	ALAM	ARKM	AUB	CLEM	FLOR	UGA	KENT	LSU	LTECH	MSU	NCSU	SFA	UTEN	VAT
Archery	7	5	8	9	13	10	3	2	11	15	4	6	14	12	1
Axe	9	7	5	4	10	1	2	8	11	3	3	14	12	6	15
Birling	12	1	14	3	6	13	2	4	9	15	7	11	5	10	8
Bowsaw (F)	10	9	4	11	12	2	1	5	7	6	14	3	13	8	15
Bowsaw (M)	8	10	2	15	1	7	12	14	13	3	5	6	4	9	11
Chain	9	13	2	5	15	4	7	11	10	8	6	12	1	3	14
Compass	10	4	1	12	9	15	13	5	6	2	8	7	11	3	14
DBH Estimation	11	6	5	15	4	9	13	14	10	1	3	2	8	12	7
Dendrology	4	15	14	10	11	6	13	3	12	8	9	5	1	2	7
Knife	13	9	10	8	2	14	5	11	6	1	7	3	12	4	15
Log Chop	9	8	7	15	10	1	3	2	5	14	13	6	12	4	11
Log Roll	1	2	4	13	9	5	7	14	11	15	6	8	12	10	3
Photos	2	11	5	4	8	13	10	1	14	3	9	12	5	7	15
Photogrammetry	6	13	9	1	3	12	10	11	4	8	2	7	15	14	5
Pole Class	13	2	1	15	12	8	4	6	7	14	11	9	5	10	3
Pole Climb	2	1	11	5	4	8	13	3	12	15	10	6	9	7	14
Pole Fell	10	6	11	2	1	9	3	4	15	13	12	8	5	1	7
Timber Estimation	10	4	2	15	12	9	3	11	14	1	7	13	6	8	5
Wildlife ID	6	7	14	10	12	8	1	13	15	4	2	11	3	9	5
Wood ID	12	15	7	5	3	1	1	14	6	8	13	10	6	2	4
J&J X-cut	7	4	10	1	2	9	11	13	8	6	14	15	3	5	12
Women's X-cut	9	8	12	10	14	2	6	13	3	5	1	15	7	11	4
Men's X-cut	1	2	4	6	10	8	13	11	7	15	3	5	14	9	12

2016 Conclave Protest Committee

Each of the following schools will be required to provide one faculty member to serve on the 2016 Conclave Protest Committee.

Alabama A&M
Auburn
Florida
Kentucky
Louisiana Tech
NC State
Tennessee

In accordance with Rule 7C of the Conclave By-laws, presidents from the following clubs will serve on the Conclave Judicial Board.

Clemson
NC State
Georgia
Stephen F. Austin
Auburn

2016 Collegiate STIHL® TIMBERSPORTS® General Rules

General:

General:

All contestants must be registered and submit a signed waiver form before being allowed to compete. Competitors are responsible for having their own medical and other applicable insurance. No such insurance is provided by STIHL or any other entity associated with the STIHL TIMBERSPORTS Series. Competitors are responsible for providing their own axes, chopping leg/foot protection and single buck saw. STIHL will provide the competition chainsaw, chaps, forestry helmets and eye/ear protection.

Timing:

- The Starter will attempt to make the cadence as consistent as possible to ensure that no competitor is advantaged or disadvantaged.
- The commencement of timing of the Underhand, Standing Block and Single Buck occurs when the Head Judge or Starter's cadence ("Timers ready, Contestants Ready, Three-Two-One-Go") reaches the word "Go"; and ends when the block is severed.
- The commencement of timing for Stock Saw occurs when the Head Judge or Starter's cadence ("Timers ready, Contestants Ready, Get Set, Three-Two-One-Go") reaches the word "Go"; and ends when the second "Cookie" is severed from the log.
- It is under the discretion of the Head Judge if a contestant is to be disqualified for "Jumping the Gun". In sawing events, failure to cut complete disks or cutting over the line marked on the wood will result in disqualification and no points awarded. Incomplete disks can be recut.
- In the chopping event, failure to sever the block into 2 pieces will result in disqualification and no points awarded.
- Disqualification (DQ) or not finishing an event (DNF) results in no points in that event.

Safety Precautions:

- All axe heads must be pinned.
- Contestants must wear foot protection in the Underhand Chop and foot/leg protection in the Standing Block chop.
- Hearing Protection, Eye Protection, Forestry Helmets and Chaps are required for the STIHL Stock Saw event (provided by STIHL).
- A whistle will sound to clear the deck before a heat begins and will sound again to mark the end of the heat.
- There will be a 2 minute maximum time for each event. At the 2 minute mark the event will be stopped (by whistle blow) and contestants who have not finished will be given a time of 2 minutes and last place points.
- If a piece of safety equipment comes off during an event it must be replaced before the event is completed.

Wood:

The preferred wood for the STIHL events will be round wood (white pine) in the following sizes:

- STIHL Stock Saw 16" diameter
- Single Buck/Crosscut 19" diameter
- Underhand Chop 13" diameter
- Standing Chop 12" diameter

Some regional variations will be allowed for species and diameter.

Tie Breakers:

For ties in individual events, each contestant will be given the higher amount of points. Ties in overall points for first place will be broken with a stock saw saw-off.

Underhand/Horizontal Chop:

- Time Starts: On the word "Go"
- Time Stops: When the block is clearly severed.
- The block is chopped from both sides until completely severed. Foot protection must be worn.
- Note: Upon completing and stepping off the block, do not touch the block until the head judge has determined that the block is completely cut.

Standing/Vertical Chop:

- Time Starts: On the word "Go"

- Time Stops: When the block is clearly severed.
- The block is chopped from both sides until completely severed. Foot and leg protection must be worn. The first hit must be an "up" hit.

STIHL Stock Saw:

- One down cut, One up cut, in that order. If the contestant cuts out, they may re-do the cut in any order (up or down).
- STIHL MS 660 Magnums will be used for this event. The stock saws will be provided by a STIHL designated technician. Immediately prior to the first heat the ring foreman will use each saw to make one cut on the contest wood to warm it up.
- The wood will be marked with a line drawn around the entire block, 4 inches in from the end of the block. If this line is completely severed at any point or the competitor cuts on the other side of the line the competitor is disqualified.
- The saw must be started in an accepted safe manner (between the legs or on the ground). The saw technician will start the saw for you if desired.
- The saws are to be running, and all 8 fingers of the competitor's hands must be resting on a line drawn on the top of the block until "Go".
- Warm Up: 15 seconds to warm up the saw. The countdown will begin 15 seconds after the end of the warm up period.
- Time Starts: On the word "Go".
- Time Stops: When the second (2nd) disc is clearly severed. All discs must be complete, "cutting-out" results in disqualification.
- Hearing Protection, Eye Protection, Forestry Helmets and Chaps are required.
- If the saw shuts off after the contestant touches it the contestant can restart it and finish the cut and then turn it over to the saw technician who will determine if the saw is still working correctly.
- If the saw is determined to be in working order, then the contestant's time stands.
- If the saw is determined to be malfunctioning, a new saw will be introduced and the competitor will be granted a re-cut.

Single Buck / Crosscut Saw:

- Contestants may have a helper to wedge the saw. All helpers should stand on the log side of saw.
- Saws may not be sprayed with oil during the competition. All oiling must be done before the saw is brought to the saw bunk.
- No competitor is allowed to use a counter weight on the opposite end of the crosscut saw.
- Time Starts: On the word "Go".
- Time Stops: When the disc is clearly severed. Competitor is allowed a 12" arc starting cut on 19" wood. 1.5" of wood is allowed to make the cut.
- The disc must be complete, or the contestant will be disqualified.
- Contestants may question the location of starting cuts designated on or near obvious knots.
- Alternative location of the starting cut will be decided by the head judge. Knots encountered thereafter will be considered luck of the draw. Cut-outs will disqualify the cut.

General Statement of Conclave Rules

Entrants

1. Each member club will be allowed one entry (team or individual as appropriate) in each event. The term "member club" as used in these rules includes associate member clubs.
2. Contestants must register with the Judge Committee before the start of the contest itself.
3. Each member club will be represented by one team captain, who will act as spokesman for his
4. Substitutions may be made with the approval of the judges.
5. The order of contestants will be determined by the host school prior to the Conclave. Random number tables will be used. (When contestants compete simultaneously, the position in each event will be determined by drawing of numbers at the beginning of each event.)
6. Refer to ASFC Constitution, Article VIII, Section F.
7. For technical events, the host school must submit a schedule of events to participating schools by January 1. Additionally, a person can NOT participate in two technical events that fall into the same time slot. (passed at Florida in 2008)

Equipment

1. Contestants will be expected to furnish their own equipment for events unless otherwise stipulated by individual contest rules.
2. All equipment furnished by the individual contestants is subject to inspection and approval by the judges.

Duplicate Winning Efforts

1. These rules apply to any event not covered by rules governing ties.
2. In case of duplicate winning efforts for first, second, or third place, there will be a runoff. In case of a tie for any place from fourth on down, the total points for the position immediately following will be added and divided equally between the tied contestants. The place tied for will automatically eliminate the next lower place. For example, in the case of a tie for fourth place, there will be no fifth place points awarded. Sixth place points, however, will be awarded.

Penalties and Disqualifications

1. Before each event, judges for the event will review the rules with the contestants.
2. Adherence to good sportsmanship and fair play will be expected from all participants. Automatic disqualification with no points awarded will result if any display of unsportsmanlike behavior is observed. The final determination will be made by the Protest Committee.¹ Any interference with a competitor will lead to disqualification.
3. Compliance with the rules of the event will be determined by the judges and their decision will be final. Protests may be filed after the event according to Article VIII, Section K, of the ASFC Constitution. The protestant is allowed to attend the protest meeting.
4. All events will be within a roped-off area; only judges, contestants and photographers will be allowed inside.
5. Events will be conducted according to the written rules and according to unanimous decisions among contestants and judges prior to the event.

Timed Events

1. In all events in which the fastest time determines the placing positions, OFFICIAL TIME will consist of the average time registered on the two closest agreements of three separate stop watches operated by three different individuals.

Judges' Representatives

1. Judges' Representatives are persons who actually set up technical events. These representatives will do no actual judging, but merely assist the judges in setting up the events.
2. No member of a club with a team competing in the Conclave may act as a Judges' Representative in technical events.
3. Rules 1 and 2 apply only when the host club is competing.

¹ Amendment approved March 25, 1993 and effective March 26, 1993.

Physical Events

Archery

1. Each member club may enter one contestant.
2. Competition will be on an individually-scored basis.
3. National Archery Association of the United States rules are to be used.
4. Contestants will shoot 1/5 of the Junior American Round--6 arrows at 40 yards, 6 arrows at 30 yards, and 6 arrows at 20 yards, respectively.
5. Targets shall be of standard size (48 inches) in diameter, divided into a central disc 9- $\frac{3}{5}$ inches in diameter. Five concentric rings each 4- $\frac{4}{5}$ inches in width colored from center out, respectively, gold, red, blue, black and white.
6. Targets shall be placed so that the center of the gold is 51 inches from the ground.
7. Only conventional hunting bows with a minimum weight of 30 pounds at 28 inches may be used.
8. Use of external stabilizers, sights, pulleys, or releases will not be allowed. All bows shall be thoroughly inspected and approved by the judge prior to shooting.
9. Only arrows with field type points may be used. No broadhead points may be used.
10. No cross bows will be allowed.
11. The face of the target has 5 concentric rings each bearing a scoring value: gold center, 9 points for each hit; red scores 7; blue scores 5; black scores 3; and white scores 1 point.
12. An arrow cutting through two colors is given the higher value (unless arrow is touched before the decision is made by scorekeeper, in which case the lower value is taken).
13. Any arrow rebounding from target face shall be re-shot.
14. Arrows must not be touched or withdrawn from target face until official scoring is completed.
15. One half of the contestants shoot at one time on two or more targets.
16. Six practice shots at any distance, which will be left to the discretion of the competitor, will be allowed prior to the competition.
17. Arrows may be handed to the contestant.

Suggestions for Judges Committee

Archery

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (This is already recorded on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Rule 15 states $\frac{1}{2}$ of contestants shoot at one time; there are 8 targets available. Contestants 1-8 will shoot on their target from 40 yds, then contestants 8- 15 shoot at this same distance and then will both will be scored. This procedure will be followed at 30 and 20 yds.
4. Ask all contestants if they have any objections to the target that can be corrected or if they object to any other contestant's equipment. Remind them not to touch arrows until they are scored by a judge.
5. After the practice round and as each arrow is scored during the competition, clearly mark arrow holes with a marker so they will not be associated with future shots.
6. In case of a tie for first, second or third place a runoff for these places is required. Have the tied contestants shoot 2 arrows at each distance and then score it as if they had been shot from one distance.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Axe Throw

1. Each member club may enter one contestant.
2. Each contestant must provide his/her own axe.
3. The axe handle must be at least eighteen (18") inches long, measured from where the handle enters the head. The axe may have either a single or double bit head.
4. The target shall be the end of a log or its equivalent, at least twenty (20") inches in diameter, and have a bullseye three (3") inches in diameter inscribed upon it. Two additional rings of nine (9") and eighteen (18") inches in diameter respectively shall also be inscribed upon the target. The center of the target shall be from three and one-half (3- 1/2') to four (4') feet above the ground and the face shall be plumb. Point value shall be: three (3) points for the inner ring, two (2) points for the middle ring, and one (1) point for the third ring. Hits on the line shall count the higher point value. **Double sticks will be awarded zero points, and points will only be awarded for sticks of the leading edge of the blade (Approved by vote at ASFC executive meeting March 17, 2007).**
5. Contestants will be allowed three practice throws prior to the five count throws.
6. Each throw will be made from between two lines on the ground which shall be five (5) and ten (10) yards from the target, respectively. No point count will be given for any throw in which the contestant steps over the line before the axe strikes the target. Amended March 21, 1996.
7. Highest cumulative point score wins.
8. The target will be placed so that the sun is at the contestant's back if possible.

Suggestions for Judges Committee

Axe Throw

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible. Emphasize Rule 6 regarding stepping over the line.
4. Ask all contestants if they have any objections to the target that can be corrected or if they object to any other contestant's axe.
5. Ask and record each contestant's name as the school is called to the line. Please print.
6. Line up contestants and let them make one throw each on the target to soften up the target face. DO this as quickly as possible.
7. Make calls of points on the practice throws and keep a tally of the number of practice throws taken but do not record scores of practice throws on the score sheet. Record only the five contest throws taken for competition on the score sheet.
8. In the case of a tie for first, second or third place a runoff for these places is required. Have the contestants involved take an additional five throws each until the place is determined. Up to three practice throws will be allowed prior to their runoff throws.
9. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
10. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Men's Bowsaw

1. Each member club may enter one contestant.
2. Each contestant will use his/her own saw. The host school shall make available to all clubs a backup saw, to be used at the discretion of the contestants, with the clock continuing to run. Replacement of the contestant's own saw with the backup saw may be made only in the event of a deformity or dysfunction of the original bow saw. An inspection of the original saw by the judges will follow the completion of the cut to determine saw deformity. If the judges rule that the original saw was not deformed the contestant will be automatically disqualified and no points will be awarded. A consensus was reached on what constitutes a deformity: "any breakage of teeth or warp of saw blade". Approved at the ASFC business meeting; March 25, 1993.
3. The use of lubricants will be left to the discretion of the contestant. Only the contestant may lubricate his saw.
4. Cutting material shall consist of a square cant uniformly eight by eight (8" x 8") inches of a soft hardwood species. The species will be specified to each school by January 1. The cant will be firmly secured into a cradle so that it is two and one-half (2.5') feet from the ground. The angle of the set to the cant must also be specified prior to the Conclave.
5. The contestant who saws completely through the cant in the least time shall be the winner.
6. Practice cuts will be allowed on contest cants but cannot overlap actual cut on competition.
7. All cants should be kept green by soaking with water as soon as possible (preferably two or three days after cutting).
8. Time shall start when the teeth of the saw touch the cant.
9. Time shall end when cut portion hits the ground.
10. Contestants must wear safety chaps during the competition (Added by SFASU, 3-10- 05, as result of approval of revised constitution with its risk management plan).

Suggestions for Judges Committee

Men's Bowsaw

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the cant stand that can be corrected or if they object to any other contestant's equipment. You may allow students (no more than 6) from the contestant's school to assist in keeping the cant holder from rocking.
5. Please emphasize to the contestants that our goal is to have everyone cut on the same cant. Therefore, please try to make a practice start/cut within 1 inch of the end of the cant. This portion will then be removed with a chainsaw to prevent the bow saw from jumping into the practice start. Encourage each competitor to use his discretion but try to make the competition cut within 2-3 inches of the end of the cant.
6. Allow time for a practice cut on the cant and allow the contestant and the Events Committee to arrange the cant to his satisfaction then ask contestant if he is ready. Time starts when the teeth of the saw touch the cant.
7. Use three stop watches (3 separate individuals) to time the event. The average of the closest two is the official time. Occasionally, one watch (or its user!) will malfunction and you will have only two times; average these for the official time.
8. Check for ties for first, second and third places. Only these three places must be resolved by additional timed cuts.
9. Be sure to have head judge sign the score sheet and indicate the time that the event ended. Allow the emcee to announce the winners of the first 3 places.

Women's Bowsaw

1. Each member club may enter one contestant.
2. Each contestant will use his/her own saw. The host school shall make available to all clubs a backup saw, to be used at the discretion of the contestants, with the clock continuing to run. Replacement of the contestant's own saw with the backup saw may be made only in the event of a deformity or dysfunction of the original bow saw. An inspection of the original saw by the judges will follow the completion of the cut to determine saw deformity. If the judges rule that the original saw was not deformed the contestant will be automatically disqualified and no points will be awarded. A consensus was reached on what constitutes a deformity: "any breakage of teeth or warp of saw blade". Approved at the ASFC business meeting; March 25, 1993.
3. The use of lubricants will be left to the discretion of the contestant. Only the contestant may lubricate her saw.
4. Cutting material shall consist of a square cant uniformly eight by eight (8" x 8") inches of a soft hardwood species. The species will be specified to each school by January 1. The cant will be firmly secured into a cradle so that it is two and one-half (2.5') feet from the ground. The angle of the set to the cant must also be specified prior to the Conclave.
5. The contestant who saws completely through the cant in the least time shall be the winner.
6. Practice cuts will be allowed on contest cants but cannot overlap actual cut on competition.
7. All cants should be kept green by soaking with water as soon as possible (preferably two or three days after cutting).
8. Time shall start when the teeth of the saw touch the cant.
9. Time shall end when cut portion hits the ground.
10. Contestants must wear safety chaps during the competition (Added by SFASU, 3-10-05, as result of approval of revised constitution with its risk management plan).

Suggestions for Judges Committee

Women's Bowsaw

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the cant stand that can be corrected or if they object to any other contestant's equipment. You may allow students (no more than 6) from the contestant's school to assist in keeping the cant holder from rocking.
5. Please emphasize to the contestants that our goal is to have everyone cut on the same cant. Therefore, please try to make a practice start/cut within 1 inch of the end of the cant. This portion will then be removed with a chainsaw to prevent the bow saw from jumping into the practice start. Encourage each competitor to use her discretion but try to make the competition cut within 2-3 inches of the end of the cant.
6. Allow time for a practice cut on the cant and allow the contestant and the Events Committee to arrange the cant to his satisfaction then ask contestant if she is ready. Time starts when the teeth of the saw touch the cant.
7. Use three stop watches (3 separate individuals) to time the event. The average of the closest two is the official time. Occasionally, one watch (or its user!) will malfunction and you will have only two times; average these for the official time.
8. Check for ties for first, second and third places. Only these three places must be resolved by additional timed cuts.
9. Be sure to have head judge sign the score sheet and indicate the time that the event ended. Allow the emcee to announce the winners of the first 3 places.

Birling

1. Each member club may enter one contestant.
2. Contestants must wear long trousers and a shirt. Footgear may be worn; however, no cleats are allowed on foot gear.
3. The log will be twelve (12') to fourteen (14') feet long and of sufficient diameter to float two people.
4. Contestants will be paired by a drawing conducted by the judges, and the contest will be run by double elimination.
5. Contestants will be assisted in mounting the floating log and will begin birling when both are balanced. Balancing objects may not be used. No bodily contact between contestants is permitted. An eighteen (18") inch line will be placed at the center of buoyancy on the log. Contestants will not be allowed to touch this line. A clear signal should be given by each competitor to show holders that they are ready.
6. The contestant who remains on the log or is the last person in the water wins the throw (slight rewording to "in the water" of rule approved ASFC Executive Meeting March 9, 1995).
7. The contestant who wins two out of three throws wins the paired trial. If the judges are unable to determine the winner of an individual throw, the throw will be repeated.
8. The contestant is not allowed to touch the log with any part of his/her body other than the feet at any time after competition has started.
9. The log must be of uniform diameter throughout, kiln dried to assure floatability, and between sixteen (16) and twenty-two (22) inches in diameter. (Rule change passed in 2008 at Florida).
10. The log must be tested by the host club to insure that it is floatable and will support at least two standing 200 lb. people.
11. The log should be covered with carpet or carpeted mats, covering the entire log.

Suggestions for Judges Committee

Birling

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet). The random order will be used to draw places in the brackets (letters a-o provided in the judges packet).
3. Read the rules to the contestants. Explain the double elimination bracket to the contestants with emphasis on how placement will be determined. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the birling log or the area for birling that can be corrected.
5. Host school will provide two holders for the log to help the contestants get ready.
6. Run through the birls round by round. The Events Committee should have someone with a bull horn to call the schools up for each birl.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Chain Throw

1. Each member club may enter one pair of contestants who will work together.
2. Each team will be responsible for providing their own chain (a 100 ft. metal tape).
3. **The chain shall be a 100 foot metal tape, without trailer, with a leather thong at least four (4") inches long attached to each end (100' tape approved by vote at ASFC executive meeting March 17, 2007).**
4. The chaining course must be laid out between two fifty (50') foot lines, one hundred-ten (110') feet apart. Any part of the chain or contestants crossing any line of this rectangle will result in disqualification.
5. The chaining course will consist of two chaining pins set at a distance of ninety-nine (99') feet apart. The starting point will be a chaining pin placed five (5') feet from the center of an end line.
6. The head judge will examine the tied chain at the start and finish of each try to be sure that the chain is thrown and tied correctly. The judge will drop the tied chain from waist height on the spot designated by the contestants. Time begins whenever either contestant first touches the chain on the ground.
7. A stake, one and one half by one and one half (1-1/2" x 1-1/2") inches and three (3') feet above the ground, shall be located three (3') feet inside the end line furthest from the starting point.
8. The chain must be completely laid out by the head chainman, and either or both chainmen must remove all kinks from the chain.
9. Simultaneously with the rear chainman touching the starting pin, the head chainman must stretch the chain and clearly touch the chaining pin ninety-nine (99') feet away.
10. The chain is then taken up by the head chainman (with assistance from rear chainman, if desired), thrown, tied, and dropped from the height of three (3') feet over the stake. Time ends when the chain hits the ground.
11. To be correctly tied, both thongs must be wrapped at least twice and secured in any fashion so it will remain secure after the chain is dropped over the finishing stake. Failure to achieve this will result in disqualification.
12. One (1) deviation (i.e., one twisted loop or a loop more than one (1) link but less than two (2) links out of place) shall be grounds for a twenty (20) second penalty. More than one (1) deviation in any chain (i.e., both of above or two (2) loops twisted, or loops more than two (2) links out of place) shall be grounds for disqualification of the time.
13. A 20-second penalty will be assessed if: [1] only one loop is greater than 6 but less than 12 inches off center, or [2] one (1) loop does not lie flat on the others or is upside down. To AVOID disqualification: [1] all loops must be placed on top of each other in numerical sequence (this is an all or none rule); [2] all loops but one (1) must lie flat on each other or not be upside down; [3] no loop can be greater than 12 inches off center; or [4] do not have the combination of one loop not flat and one loop more than 6 but less than 12 inches off center.

Suggestions for Judges Committee

Chain Throw

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet) Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. In order to comply with the rules, both ends of the chain must be touched to the pins at the same time. Flags should be provided so that one judge can be stationed at each pin. Raise the flags in the air when the chain is touching the pin. When both flags are raised some signal needs to be given to the contestants indicating that this requirement has been satisfied. Yell "go", blow a whistle, or something. Whatever is decided needs to be told to the contestants.
5. Ask all contestants if they have any objections to the course that can be corrected or if they object to any other contestant's chain.
6. Inspect the chain before the contest begins and drop it from the waist where the contestants indicate. Time starts when the chain is touched. Emphasize to the contestants that the chain must be dropped over the ending stake, not lowered down to the stake.
7. Check for ties for first, second and third places. Only these three places must be resolved by
8. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
9. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.
10. Chain Throw interpretation for 100 ft. tape:
 - a. When taking up the tape, all loops must be placed flat on top of each other in sequence in 5 ft. lengths (or larger multiples like 10 ft. if doing bigger loops). That is, the loop sequence must read 0, 5, 10, 15, 20, 25 etc. or 100, 95, 90, 85 etc. To make sure this happens the tape MUST be taken up quickly but carefully to keep them in order and flat and then tied tightly when finished so that the number sequence is not disrupted when it is twisted and then placed over the stake to stop the time. The head judge must pick up the tape to check for penalties. If this process causes the tape to lose its required integrity, the tape was not tied properly and the team may accumulate a deviation. Experienced throwers will "paint" the 5-ft loops to make them easy to see and lineup, will have good leather ties, and will tie the tape tight.
 - b. Having a loop out of place means that it can be more than 6 inches but less than 12 inches away from the center line of all 20 lined-up loops as they are stacked on top of each other. If a loop is too far out of place one loop will be longer and the next will be shorter, making it more difficult to twist the tape into the double loop so it can be set over the end stake to stop the time.
 - c. A twisted loop is one that does NOT lie flat on the others, or is upside down. Actually, an upside down loop is likely a fatal error since it will be almost impossible to twist the tape into the final form for stopping the time.

Crosscut - Jack & Jill

1. Each member club may enter one pair of contestants, one male and one female, who will work together.
2. Each team must provide their own two-person cross-cut saw.
3. The use of lubricants will be left to the discretion of the contestants. The lubrication may not be applied over the cant or once the cut has been started.
4. Cutting material shall consist of a squared cant uniformly ten by ten (10" x 10") inches of a soft hardwood species. The species shall be specified to each school by January 1. The cant will be firmly secured into a cradle twenty (20") inches from the bottom of the cant to the ground.
5. The team which saws completely through the cant in the least time shall be declared the winner. Time shall start when the saw first moves, after it has been held motionless on or above the wood, and after the competitors have signaled they are ready to the judges. (For safety reasons, the chip start was eliminated by a majority vote of advisors December 12, 2006). Time shall end when the cut portion strikes the ground.
6. In the event of damage to the saw, the time is continued while changes or repairs are made to the saw.
7. Practice cants should be of the same species and condition as the contest cants.
8. All cants should be kept green by soaking with water as soon as possible (preferably two or three days after cutting).
9. One practice start or cut shall be allowed on the competition cant immediately before competition.
10. Contestants must wear safety chaps during the competition (Added by SFASU, 3- 10-05, as result of approval of revised constitution with its risk management plan).

Suggestions for Judges Committee

Crosscut - Jack & Jill

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the cant that can be corrected or if they object to any other contestant's equipment. Discuss starting techniques and emphasize elimination of chip start: some will rest the saw blade on the cant, others will place the hand holder against the side of the cant and others will take a running start. All of these methods are allowed. It is also permissible for someone other than the two contestants from a school to pour/spray lubricant on the saw as long as the saw is not held over the cant.
5. If the contestants request and you concur, you may ask for no more than 6 spectators to sit on the cant to help hold it secure. Students must stay behind the framework that secures the cant.
6. Please emphasize to the contestants that our goal is to have everyone cut on the same cant.
7. Therefore, please try to make a practice start/cut within 1 inch of the end of the cant. This portion will then be removed with a chainsaw to prevent the cross-cut saw from jumping into the practice start. Encourage each team to use their discretion but try to make the competition cut within 2-3 inches of the end of the cant.
8. Use three stop watches (3 separate individuals) to time the event. The average of the closest two is the official time. Occasionally, one watch (or its user!) will malfunction and you will have only two times; average these for the official time.
9. Allow time for a practice start on the cant and allow the contestants and the Events Committee to arrange the cant to their satisfaction then ask contestants if they are ready. Time starts when the blade of the saw touches the cant. Time ends when the cut portion strikes the ground.
10. Check for ties in first, second and third places. Only these three places must be resolved by additional cuts.
11. Be sure to have head judge sign the score sheet and indicate the time that the event ended. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Crosscut - Men's

1. Each member club may enter one pair of contestants, two males, who will work together.
2. Each team must provide their own two-person cross-cut saw.
3. The use of lubricants will be left to the discretion of the contestants. The lubrication may not be applied over the cant or once the cut has been started.
4. Cutting material shall consist of a squared cant uniformly ten by ten (10" x 10") inches of a soft hardwood species. The species shall be specified to each school by January 1. The cant will be firmly secured into a cradle twenty (20") inches from the bottom of the cant to the ground.
5. The team which saws completely through the cant in the least time shall be declared the winner. Time shall start when the saw first moves, after it has been held motionless on or above the wood, and after the competitors have signaled they are ready to the judges. (For safety reasons, the chip start was eliminated by a majority vote of advisors December 12, 2006). Time shall end when the cut portion strikes the ground.
6. In the event of damage to the saw, the time is continued while changes or repairs are made to the saw
7. Practice cants should be of the same species and condition as the contest cants.
8. All cants should be kept green by soaking with water as soon as possible (preferably two or three days after cutting).
9. One practice start or cut shall be allowed on the competition cant immediately before competition.
10. Contestants must wear safety chaps during the competition (Added by SFASU, 3- 10-05, as result of approval of revised constitution with its risk management plan).

Suggestions for Judges Committee

Crosscut - Men's

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the cant that can be corrected or if they object to any other contestant's equipment. Discuss starting techniques and emphasize elimination of chip start: some will rest the saw blade on the cant, others will place the hand holder against the side of the cant, and others will take a running start. All of these methods are allowed. It is also permissible for someone other than the two contestants from a school to pour/spray lubricant on the saw as long as the saw is not held over the cant.
5. If the contestants request and you concur, you may ask for no more than 6 spectators to sit on the cant to help hold it secure. It is essential that these students stay behind the framework that
6. Please emphasize to the contestants that our goal is to have everyone cut on the same cant. Therefore, please try to make a practice start/cut within 1 inch of the end of the cant. This portion will then be removed with a chainsaw to prevent the cross-cut saw from jumping into the practice start. Encourage each team to use their discretion but try to make the competition cut within 2-3 inches of the end of the cant.
7. Use three stop watches (3 separate individuals) to time the event. The average of the closest two is the official time. Occasionally, one watch (or its user!) will malfunction and you will have only two times; average these for the official time.
8. Allow time for a practice cut on the cant and allow the contestants and the Events Committee to arrange the cant to their satisfaction then ask contestants if they are ready. Time starts when the blade of the saw touches the cant. Time ends when the cut portion strikes the ground.
9. Check for ties in first, second and third places. Only these three places must be resolved by
10. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
11. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Crosscut - Women's

1. Each member club may enter one pair of contestants, two females, who will work together.
2. Teams with only one eligible female competitor can avoid scoring zero points by adding an ineligible female from their school, or another competing school. A 2-female team of this makeup will receive last place points, regardless of the time. This rule was adopted by a vote at the ASFC executive meeting March 17, 2007.
3. Each team must provide their own two-person cross-cut saw.
4. The use of lubricants will be left to the discretion of the contestants. The lubrication may not be applied over the cant or once the cut has been started.
5. Cutting material shall consist of a squared cant uniformly eight by eight (8" x 8") inches of a soft hardwood species. The species shall be specified to each school by January 1. The cant will be firmly secured into a cradle twenty (20") inches from the bottom of the cant to the ground.
6. The team which saws completely through the cant in the least time shall be declared the winner. Time shall start when the saw first moves, after it has been held motionless on or above the wood, and after the competitors have signaled they are ready to the judges. (For safety reasons, the chip start was eliminated by a majority vote of advisors December 12, 2006). Time shall end when the cut portion strikes the ground.
7. In the event of damage to the saw, the time is continued while changes or repairs are made to the saw.
8. Practice cants should be of the same species and condition as the contest cants.
9. All cants should be kept green by soaking with water as soon as possible (preferably two or three days after cutting).
10. One practice start or cut shall be allowed on the competition cant immediately before competition.
11. Contestants must wear safety chaps during the competition (Added by SFASU, 3- 10-05, as result of approval of revised constitution with its risk management plan).

Suggestions for Judges Committee

Crosscut - Women's

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the cant that can be corrected or if they object to any other contestant's equipment. Discuss starting techniques and emphasize elimination of chip start: some will rest the saw blade on the cant, others will place the hand holder against the side of the cant, and others will take a running start. All of these methods are allowed. It is also permissible for someone other than the two contestants from a school to pour/spray lubricant on the saw as long as the saw is not held over the cant.
5. If the contestants request and you concur, you may ask for no more than 6 spectators to sit on the cant to help hold it secure. It is essential that these students stay behind the framework that secures the cant to the holder.
6. Please emphasize to the contestants that our goal is to have everyone cut on the same cant. Therefore, please try to make a practice start/cut within 1 inch of the end of the cant. This portion will then be removed with a chainsaw to prevent the cross-cut saw from jumping into the practice start. Encourage each team to use their discretion but try to make the competition cut within 2-3 inches of the end of the cant.
7. Use three stop watches (3 separate individuals) to time the event. The average of the closest two is the official time. Occasionally, one watch (or its user!) will malfunction and you will have only two times; average these for the official time.
8. Allow time for a practice cut on the cant and allow the contestants and the Events Committee to arrange the cant to their satisfaction then ask contestants if they are ready. Time starts when the blade of the saw touches the cant. Time ends when the cut portion strikes the ground.
9. Check for ties in first, second and third places. Only these three places must be resolved by additional cuts.
10. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
11. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Knife Throw

1. Each club may enter one contestant.
2. Each contestant will use his own knife.
3. All knives must not be homemade and must have a non-folding blade. Knives may be manufactured specifically for throwing. The minimum overall length will be 6 in. Knives do not require a finger guard and may have two cutting edges on the same blade. All knives are required to have some type of handle and may not be sharpened on both ends. Amended March 2015.
4. The target shall be the same as required for Axe Throwing: The target shall be the end of a log or its equivalent, at least twenty (20") inches in diameter, and have a bulls eye three (3") inches in diameter inscribed upon it. Two additional rings of nine (9") and eighteen (18") inches in diameter respectively shall also be inscribed upon the target. The center of the target shall be from three and one-half (3-1/2') to four (4') feet above the ground and the face shall be plumb.
5. Contestants will be allowed three practice throws prior to the five count throws.
6. Each throw will be made from between two lines which shall be five (5) and ten (10) yards from the target respectively. No point count will be given for any throw in which the contestant steps over the line before the knife strikes the target. Amended March 21, 1996.
7. Points shall be awarded shall be the same as for Axe Throwing: Point value shall be: three (3) points for the inner ring, two (2) points for the middle ring, and one (1) point for the third ring. Hits on the line shall count the higher point value.
8. Highest accumulated point score wins.
9. In case of a tie for first, second or third places, additional sets of five throws will be allowed until the tie is broken. The losing contestant in the tie-breaker will automatically gain the next lower position.
10. The target will be placed so that the sun is at the contestant's back if possible.

Suggestions for Judges Committee

Knife Throw

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible.
4. Ask all contestants if they have any objections to the target that can be corrected. Have each contestant hold his/her knife out in full view. Ask if there are objections to any contestant's knife.
5. Make calls of points on the practice throws and keep a tally of the number of practice throws taken but do not record scores of practice throws on the score sheet. **Record only the five contest throws taken for competition on the score sheet.**
6. In the case of a tie for first, second or third place a runoff for these places is required. Have the contestants involved take an additional five throws each until the place is determined. Up to three practice throws will be allowed prior to their runoff throws.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Log Chopping

1. Each member club may enter one contestant.
2. Cutting material should be a ten (10") inch square cant of a soft hardwood species. The cant will be secured at least four (4") inches from the ground. The species to be used will be left to the discretion of the host club. The host club will inform the other clubs by January 1 as to the species to be used. In turn, the member clubs will notify the host of their acceptance of the designated species.
3. Each contestant must furnish his own axe. The axe used may be either single or double bitted with up to a 7.5-pound head and any length handle.
4. Timing will start on a signal from the judges and will stop when contestant signals the completion of the cut by throwing his arms up. Unless the cant is completely severed at this time, the contestant will be disqualified. A practice cut may be allowed on the competition cant as long as the cuts do not extend into the competition cut.
5. In case the axe breaks during the running of the contest, time will not stop while the axe is replaced.
6. Fastest time for the complete cut determines the winner.
7. The host club will inform the other clubs by January 1 as to the species to be used. In turn, the member clubs will notify the host club of their acceptance of the designated species.
8. There will be as many extra cants as possible.
9. A five (5) second penalty will be assessed for each chop made ahead of the starting time.
10. All contestants shall be required to wear safety-type shoes or foot and shin guards.
11. Each contestant will have a separate cant which is approximately sixty (60") inches long. The cut may be made at any point as long as the entire cut does not extend into the end of the cant. The cant cannot be moved from the general location it is set in by the host club. The competitor may place the cant in any position, at that location, that he desires.
12. A time limit of five (5) minutes shall be set on log chopping to reduce the danger of a competitor injuring himself due to exhaustion. (Added by SFA 3-10-05 as a clarification: those contestants who are stopped by the judges at 5 minutes are not disqualified; they all tie for the last place not won by a contestant who completely severed the cant.)
13. The contestant may not in any way influence the severing of the cant with anything but the axe.

Suggestions for Judges Committee

Log Chopping

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Read the rules to the contestants. Settle any questions or problems now if at all possible.
3. Emphasize Rule 4 regarding completion of the cut. Also emphasize Rule 12 regarding the 5-minute time limit. Contestants who are stopped by the judges after 5 minutes are not disqualified; see modification to rules by SFA.
4. Ask all contestants if they have any objections to the arrangements that can be corrected. Make adjustments if necessary. Ask if there are any objections to any contestant's axe. Make sure each contestant has the required safety gear. You may need to carefully inspect boots.
5. You will need two (preferably three) judges to time each contestant so it is suggested that the contest be run in two or three heats.
6. Cover any ground rules: time ends when axe is dropped and hands are raised in air, time limits to
7. It is traditional to allow about ten (10) minutes for the contestants to prepare his cant. The contestant has in the past been allowed help to set up his cant. It is also traditional to give a practice start count on the bullhorn before the actual start. This is a dangerous event so take your time.
8. In the case of a tie for first, second or third place a runoff for these places is required. Only these three places must be resolved by additional chops.
9. Spectators must be kept well away from the chopping area, especially from the areas directly in front or behind choppers.
10. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
11. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Log Rolling

1. Each member club may enter one pair of contestants who will work together.
2. The log will be twelve (12') feet long and sixteen (16") to eighteen (18") inches in diameter at the butt end.
3. The log must be rolled from the starting line and kept between two parallel boundary lines sixteen (16') feet apart and sixty (60') feet long, to the end of the course, through the end stakes and immediately back to and over the starting line. At five (5') foot intervals along the boundary lines will be pine stakes firmly driven into the ground. This stake shall be one inch by one-quarter inch (1" x 1/4") and shall be driven with the long axis perpendicular to the log rolling course.
4. For each stake broken or knocked over during the running time, a five (5) second penalty will be added to the total time of the entry. An additional penalty of twenty (20) seconds will be assessed to the total time of entry for knocking down more than two stakes in succession. Whether a stake is knocked down or not is left to the judges' decision.
5. Any broken stake will be replaced by the judges' representative after each entry has completed the event, but not during running time. It will be judges' particular responsibility to assess if the log passes over a previously broken stake and to determine appropriate penalty.
6. The log must be moved with the aid of cant hooks, peavies or combination tools only.
7. Winners will be determined on the basis of the least time plus penalties.
8. Stake length must provide a minimum of eighteen (18") inches above the ground.
9. A penalty of two (2) seconds will be given for each illegal touching of the log. A five (5) second penalty or disqualification will be given if the log is lifted over a stake. A thirty (30) second penalty will be given for rolling the log over the end stakes at the finish line.
10. The host club shall provide a non-competing team to roll the log through the course before the first contestants compete.

Suggestions for Judges Committee

Log Rolling

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Settle any questions or problems now if at all possible. Emphasize Rule 4 and Rule 9 regarding assessment of penalties.
4. Ask all contestants if they have any objections to the course that can be corrected or if they object to any other contestant's equipment.
5. In the case of a tie for first, second or third place a runoff for these places is required. Only these three places must be resolved by additional timed rolls.
6. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
7. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Pole Climbing

1. Each member club may enter one contestant.
2. The pole will be of any species other than pine (preferably sweetgum or poplar) six (6") to eight (8") inches in diameter at d.b.h. (while still on the stump) and twenty (20') feet in height (after being placed in the ground). The pole will be debarked.
3. The pole will be in the center of a circle eight (8') feet in diameter. The contestant may begin his climb in any manner as long as he remains within the circle.
4. Each contestant will be allowed two (2) attempts, not in succession, to reach the top. If the contestant elects to use his allowed two (2) and reached the top on both occasions, his fastest time will be his time for the event.
5. Practice on the competition pole shall be allowed 1/2 hour prior to competition. Each competitor will be allowed two (2) trial climbs.
6. Contestants may climb in boots, shoes or bare feet. Nothing may be allowed on shoes or bare feet. Prior to the pole-climbing event, the judge shall test the shoes or feet of each contestant to make sure they are not sticky.
7. A contestant's time shall begin when his hand makes contact with the pole; his time shall end when his hands make contact with the top face of the pole. The winner will be the contestant who completes the climb in the shortest amount of time. The competitor has a three (3) minute time limit after his/her name has been announced to start the climb. Otherwise, he/she forfeits that attempt.
8. A marking device (chalk bag, etc.) will be placed at the top of each pole.
9. There shall be at least three judges.
10. The pole climbing event shall be in the afternoon.
11. The competition pole should be debarked at least one week prior to the event.
12. The host club must have a practice pole adjacent to the competition pole to allow for practice.
13. Participants must wear a helmet as voted on by faculty advisors, March 2012.

Suggestions for Judges Committee

Pole Climbing

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly). Changes may be made in the above order as long as all contestants agree.
2. Read the rules to the contestants; settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to the pole or the course that can be corrected. Have all contestants hold their climbing shoes out in front of them. Have the three judges check them over. Have contestants check each other's shoes. Ask if any contestant has any protest or complaint about any other contestant's shoes.
4. Each contestant is allowed three minutes to begin his climb. Judges should tell the contestant
5. Three judges time the event; the closest two times are averaged for the official score. Each contestant is given two climbs so the list of schools is run through twice. The fastest time of the two is the official time for that contestant.
6. Many times in past conclaves, the climber will reach for the top and miss; if the 1st, 2nd, or 3rd judges stop their watch, then a valid time is not obtained. Usually, though, at least one judge will get a valid time. Using a 4th judge may improve the odds of getting a valid time. If a 4th judge is used, he should be designated the "backup" or alternative and the time he clocked should only be used if needed.
7. Station 3 spotters around the pole to assist the contestant in the event they slip on the pole.
8. In the case of a tie for first, second or third place a runoff for these places is required. Only these three places must be resolved by additional timed climbs.
9. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
10. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Pole Felling

1. Each member club may enter one contestant.
2. The poles will be of uniform species, diameter and height, approximately twenty (20') feet, set firmly in the ground, between six (6") and nine (9") inches in diameter at breast height within a one (1") inch diameter class.
3. At the signal from the judges, time will start and each contestant shall drive a stake provided by the judges in the ground at the full extension of the cord attached to the bottom of the pole. This cord should be 3/4 of the height of the pole (15').
4. Winning places will be determined by the shortest distance between the edge of the pole closest to the stake and fifteen (15') feet from the stump, and the stake's edge closest to the pole. The pole is to be its original line of contact with the ground. Poles felled more than ninety (90o) degrees from the stake will be measured from the point on the pole which is string distance (15') from the pole stump.
5. In the event that more than one pole touches its stake during the original fall, the shortest time will determine the placing of the winner.
6. The entry will be disqualified if the pole falls before the contestant begins the felling cut, or in any way attempts to influence the fall of the pole with the axe or bodily contact.
7. The contestant may clean the front cut in any way. The back cut can also be cleaned in any manner other than using the hands. The contestant may not return to the front cut after the back cut is started.
8. Time limit is set at ten (10) minutes.
9. Contestants must wear foot and shin guards during the competition (Added by SFASU, 3-10-05, as result of approval of revised constitution with its risk management plan.)

Suggestions for Judges Committee

Pole Felling

1. Prior to the contest gather all contestants at least 15 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Announce the order of schools (this is already on the score sheet): (Note: the order of schools will be used to draw numbers that correspond to a pole number; the number selected is the pole for that contestant.) Changes may be made in the above order as long as all contestants agree.
3. Read the rules to the contestants. Emphasize Rule 7 regarding the use of hands to clean out the front cut but not the back cut and that contestant may not return to the front cut once he/she has started the back cut. Settle any questions or problems now if at all possible. Contestants must wear foot and shin guards for protection.
4. Ask all contestants if they have any objections to the felling course or poles that can be corrected or if they object to any other contestant's equipment.
5. The event will be run in two heats so that the contestants can be spread out and no one will interfere with another contestant. Contestants who draw odd-numbered poles will compete in the first round; even poles in 2nd round.
6. The event is timed so at least one judge will be required for each contestant.
7. Allow time for all contestants to place stake where they want it. They are not allowed to drive the stake in the ground at this time. After all are ready, starts all contestants in the heat together. On a signal from the head judge, time starts and contestants are to drive in their stake. There is a 10-minute time limit.
8. In the case of a tie for first, second or third place a runoff for these places is required. Only these three places must be resolved by considering the time used to fell the tree.
9. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
10. Be sure to turn in the completed score sheet to the head scorekeeper. Allow the emcee to announce the winners of the first 3 places.

Technical Events

Compass & Pacing

1. Each member club may enter one contestant.
2. The compass course must be at least four open traverses (30-50 chains), each with at least four segments. If more than one contestant uses each traverse, they will start at ten (10) minute intervals and will be required to complete one traverse only.
3. Contestants will be allowed the use of a hand-type compass only. Declination will be set at zero (0) degrees and a true north calibration point must be provided.
4. A traverse must be traveled by each contestant only once. The contestant may not, after beginning the course, return to the starting point.
5. The traverses are to be laid out by representatives of the judges with methods equivalent to using a transit and steel tape. Field notes will be kept and deposited with the Judges Committee before the start of the contest.
6. The portion of each traverse to be traveled by each contestant will have the same number of bearings and the lengths of each will be within one chain of all others.
7. Winning positions will be awarded to the contestants completing the traverse with the shortest distance to the true position of the final corner of the traverse. Winning positions will be awarded to the contestants completing the traverse with the highest relative precision ratio, computed as:

$$[\text{Traverse length}] / [\text{Linear error (measured)}]$$

8. All compass and pacing traverse shall be in similar terrain and vegetation type and avoid serious obstacles that affect the magnetic function of the compass and/or the progress of the contestant.
9. Hand calculators may be used.
10. Each contestant must travel his/her entire traverse from start to finish to be credited as having completed the course.
11. Clothing aids to the contestant, such as protective clothing or chaps, shall be allowed.

Suggestions for Judges Committee

Compass & Pacing

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Settle any questions or problems now if at all possible. Ask all contestants if they understand the method of scoring and clear up any objections if possible.
3. Ask all contestants if they have any objections to any other contestant's compass.
4. Winning positions will be determined by computing the precision ratio for each contestant (Rule 7). Check for ties for first, second and third places. Only these three places must be resolved by an additional traverse. Have the contestants involved take a second traverse other than the one they initially placed.
5. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
6. Be sure to turn in the completed score sheet to the head scorekeeper.

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DBH Estimation

1. Each member club may enter one contestant.
2. There will be a total of ten (10) trees (5 conifers and 5 hardwoods) flagged as the contest is being given, to be estimated by each contestant. Estimates will be made to the nearest one-tenth ($1/10$ ") of an inch. All estimates will be ocular.
3. The true d.b.h. measured by diameter tape of each of the ten trees will be recorded by the judges before the start of the contest.
4. The winner of the contest will be the contestant whose list of estimated diameters shall have the least total of individual deviations from the true diameter.
5. Contestants must remain at least ten (10') feet from the trees being estimated at all times.
6. In case of a tie in first, second or third place, additional trees will be given until the tie is broken. The losing contestant in the tie-breaker will automatically gain the next lower position.
7. Estimation shall be by unaided ocular vision. No use of any scaling device, including appendages (hands, thumbs, etc.) shall be allowed.

Suggestions for Judges Committee

DBH Estimation

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Settle any questions or problems now if at all possible. The rule is that trees be tagged or flagged after they have been estimated.
3. Run the contest in any fashion that best suits you. You do need to find some method to keep contestants ten (10') feet from the tree being estimated. Watch to make sure nothing is used to provide assistance in making the visual estimates.
4. Regarding Rule 4: use the total of the absolute value of each deviation.
5. Please try to conduct the contest within an hour and a half.
6. Check for ties in first, second and third places. Only these three places must be resolved by runoff. To avoid having to locate tied contestants and return to the woods, have the contestants estimate dbh on three additional trees; use the first tree to separate the tie. If a tie still exists after the first tiebreaker tree, use the second tree; hopefully three tiebreakers will suffice.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper.

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Dendrology

1. Each member club may enter one contestant.
2. A total of twenty (20) designated trees will be shown to the entire group of contestants.
3. The host club will create a reference list which will be used unless it is rejected by more than 50% of the participating clubs. No books or other reference materials may be used by contestants in the contest. Equipment permitted for the contest includes optical aids, including hand lenses and binoculars.
4. Correct answers are those which are submitted to the judges within three minutes correctly identifying the test trees with common name, Latin (botanical) family, genus, and specific epithet. Authors' names need not be written after the scientific name.
5. There will be one (1) point given for the correct family name, three (3) points for the correct genus name, and five (5) points for the correct specific epithet. Genus and specific epithet must be underlined. One (1) point shall be given for the correct common name. One-half credit will be given for misspelling or failure to underline. Whether or not a species is wrong or merely misspelled shall be determined by the common name given by the contestant.
6. In case of a tie for first, second or third place after the first twenty trees, those contestants involved will be given additional trees until places are determined. The position winner must, however, correctly identify the tree which eliminates the competitor.
7. If a species name shows up on the dendrology, wildlife or wood identification lists, they will all have the same common name.
8. Tree identification can be made in any way the contestant desires (breaking off twigs, crushing leaves, etc.) without injuring the tree.
9. The List of Dendrology Species is located in the Appendix.

Suggestions for Judges Committee

Dendrology

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (please print clearly)
2. Read the rules to the contestants. Settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to the dendrology list. Make any adjustments that are necessary. When grading the tests, if a student lists the name of a species by the names given on the species list, then he/she shall receive full credit for that specimen even if the list was modified as a result of objections raised prior to the event.
4. Run the contest in any fashion that best suits you. However, grading of test slips will not be that are necessary. Therefore, to avoid having to locate tied contestants and return to the woods, have the contestants identify three additional trees; use the first tree to separate the tie. If a tie still exists after the first tiebreaker tree, use the second tree; hopefully three tie- breaker will suffice.
5. Be careful in checking the spelling of each name given on the answer sheets. Spelling errors count $\frac{1}{2}$ off of the credit for that portion of an answer. Also, pay attention to incorrect use of capital letters
6. Check for ties in first, second and third places. Only these three places must be resolved by runoff.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper.

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Photogrammetry

1. Each member club may enter one contestant.
2. All equipment such as stereoscopes, scales, dividers, dot grids, protractors, pocket magnifiers, parallax wedges, etc. will be furnished by participants, not the host club.
3. Restriction: Stereoscopes are limited to pocket size, non-reflector, non-electric types. The overall dimensions of stereoscopes will not exceed 3" x 6" x 1" (about the size of the U.S. Army CF-8 pocket stereoscope).
4. The intent of the above restriction is to encourage initiative in developing new devices but only of the type normally useful and applicable to the rugged and remote pedestrian- type field conditions in which foresters commonly operate.
5. Photos will be purchased by a neutral photo interpreter selected by the host club, and will be paid for by the host club. Photos become the property of the host club. The selected photo interpreter will not be a faculty member of any of the participating schools. The test should be made from a state outside of the ASFC member states.
6. The selected interpreter will prepare the exercises according to his/her well-considered judgment, in the number of copies requested by the host club, and with a set of answers. He will deliver them in a sealed envelope to the Dean, Head of the Forestry School or Department or head rules judge of the host institution as requested by the host club. Tests should be checked to make sure all is in order.
7. The official answer sheet should show answers with the correct one in a range, e.g., 10.5 acres +/- 1 acre, to allow for photo paper dimension changes, use of different instruments, etc. A deduction may be shown for another range somewhat less accurate, etc.
8. Suggested source of photos: Committee of Aerial Photography, University of Illinois, Urbana, Illinois 61801
9. The photogrammetry test will be at least 50% oriented towards interpretation and be a maximum of two (2) hours long.
10. No textbooks, notes or equations may be used by contestants.
11. Manufactured equipment used by contestants may not be altered in any way (i.e., no notes or equations).
12. The stations must be at least five (5') feet apart.
13. Mandatory subject material to be covered includes:
 - a) Problems dealing with determining ground distance from an aerial photo
 - b) Determine the scale of an aerial photograph:
 - a. Formula: $RF = f / (H - h)$
 - b. Formula: $RF = \text{Photo Distance} / \text{Ground distance}$
 - c. (or) $RF = \text{Photo Distance} / \text{Map Distance}$
 - c) Use a height finder parallax wedge, or parallax bar to determine the height of an object or the difference in ground elevation at 2 separate points
 - a. $h = (H \times dP) / (P + dP)$ parallax formula
 - d) Use a ruler on a single aerial photograph to determine the height of a tree or object by the displacement formula
 - a. $(h/H) = (d/r)$ displacement formula
 - e) Determine the area on an aerial photograph using a planimeter or dot grid
 - f) Include on the examination some form of conversion from English units of measurement to metric units of measurement (or vice versa).

Suggestions for Judges Committee

Photogrammetry

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Go over the rules for the contest.
3. Any issues with equipment; you may have to make a decision. See Rules 3 & 4.
4. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
5. Be sure to turn in the completed score sheet to the head scorekeeper.

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Pole Classification

1. Each member club may enter one contestant.
2. A total of ten (10) pole class trees will be designated by the judges.
3. A true classification, based on highest dollar value and as classed by American Standards Association rules will be compiled by representatives of the judges and will be deposited with the Judges Committee before the start of the contest.
4. Four weeks prior to Conclave contestants will be furnished with a duplicate of the dollar yield table and the American Standards Association pole classification table used by the judges' representatives to make the true classification. These tables, along with any commonly used equipment, such as tapes, bark gauges, and hypsometers, may be used by the contestants in their estimation. A time limit of one and one-half (1-1/2) hours will be allowed.
5. Each tree will be worth ten (10) points. Four (4) points shall be given for the correct class, minus one (1) point for each class by which it was missed, (but no negative points even if missed by five classes). Four (4) points shall be given for the correct length, minus one (1) point for each five foot length in error (again, no negative points). Two (2) points shall be given for the correct price when class and length are correct. This last would entail a penalty for misreading the price table. One (1) point shall be given for reading the correct price for stated class and length, even though one may be wrong. No points shall be given for a price that does not match the class and length. A cull tree must be entered on the score sheet as "cull". If a class, length and price are given for a cull tree, the score will be zero (0) for the particular tree.
6. The host club must state how the poles were classified and used.

Suggestions for Judges Committee

Pole Classification

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Go over scoring, particularly regarding the use of the dollar yield table. Settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to the poles that can be corrected or if they object to any other contestant's equipment.
4. Grading of test sheets will not be done in the field. Therefore, to avoid having to locate tied contestants and return to the woods, have the contestants classify three additional trees. Check for ties in first, second and third places. Only these three places must be resolved by runoff. Use the first tree to separate the tie. If a tie still exists after the first tiebreaker tree, use the second tree; hopefully three tie-breaker trees will suffice.
5. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
6. Be sure to turn in the completed score sheet to the head scorekeeper.

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Timber Estimation

1. Each member club may enter one contestant.
2. The area to be estimated will not exceed ten (10) acres and will be clearly marked.
3. Contestants will be allowed to use their choice of any equipment commonly used in timber estimation.
4. The judges' representative will make a 100% cruise of the test tract and deposit the results with the Judges Committee before the start of the contest.
5. A duplicate of the volume tables used by the judges and a map to determine the true volume must be given to each contestant four weeks prior to Conclave. Volume table parameters consist of height and d.b.h. Height will be left up to the host club, either merchantable or total height. When tables are sent out the host club must give height of merchantability.
6. Contestants will be allowed one and one-half (1-1/2) hours to complete their cruise and turn in their tally sheets, calculations and estimate to the judges.
7. The closest estimated volumes to the true volume determine the winning places of the contest.
8. The host club must specify cull or not cull in figuring timber volumes.

Suggestions for Judges Committee

Timber Estimation

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to any other contestant's equipment.
4. Run the contest in the fashion that best suits you. Try to complete it as quickly as possible.
5. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
6. Be sure to turn in the completed score sheet to the head scorekeeper.

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Timber Estimation Map
59th Annual Forestry Conclave
Hosted by: Clemson University



[illegible]

Wildlife

1. The wildlife event will consist of three parts: Identification of bird and mammal species (50%), aging and sexing of selected birds and animal species (25%) and identification of food plants (25%). Scientific names for wildlife food plants must be correctly spelled, capitalized and underlined.
2. Each competing member club shall enter two (2) contestants.
3. Each team will have two (2) minutes to jointly identify each specimen or give other requested information such as sex or age.
4. All specimens used in the contest will come from the enclosed lists. Mammal specimens may consist of skulls, study skins or entire specimens. Plant specimens may consist of fresh material, herbarium sheets, Riker mounts or 35mm color slides.
5. Common names only will be required for mammal and bird specimens, while common and scientific names will be required for plant specimens. Common names found in the book used as the standard for the event shall be used.
6. Contestants may be required to sex white-tailed deer by pelvic girdle and assign age at exact 6-month age classes (1, 1.5, 2, 2.5 years) up to and including age 2.5 and at whole year intervals (3.5, 4.5, etc. years) thereafter by jaw examination. Amended March 21, 1996. Contestants may be required to sex bird species in the list designated by descriptive wording, also from wing examination. In the case of the mourning dove, only age will be required.
7. Contestants may also be required to give the wildlife species primarily utilizing the food plants as designated in the enclosed list.
8. In case of a tie, the contest will continue between tying teams until one is eliminated.
9. All mammals, with the exception of the domesticated cat, are described in *The Mammals of North America*, 1981, 2nd edition, by E. Raymond Hall. The A.O.U. Checklist of North American Birds, 6th edition, American Ornithologists Union of the 1982 Supplement to the A.U.K. Techniques are the official sources for the names of birds. Techniques for aging and sexing may be found in: *Wildlife Management Techniques*, 1980, 4th edition, edited by S.D. Schemnitz. The official source for the plant names shall be: *Manual of the Vascular Flora of the Carolinas*, 1983, 9th edition, by A.E. Radford, H.E. Ahles, and C.R. Bell.
10. Each contestant will be allowed to use a 10X hand lens in the wildlife exam and nothing else.
11. The stations must be at least five (5') feet apart.
12. If a species name shows up on the dendrology, wildlife or wood identification lists, they will all have the same common name.
13. The Species List for the Wildlife Event is located in the Appendix.

Suggestions for Judges Committee

Wildlife

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to the wildlife list.
4. Run the contest in the fashion that best suits you. Try to complete it as quickly as possible.
5. Grading of test sheets will not be done while contestants are present. Therefore, to avoid having to locate tied contestants, provide the contestants with 3 to 5 additional test questions/specimens.. Check for ties in first, second and third places. Only these three places must be resolved by runoff. Use the first question/specimen to separate the tie. If a tie still exists after the first tie breaker question/specimen, use the second one; hopefully 3 to 5 tie- breaker questions/specimens will suffice.
6. Be careful in checking the spelling of each name given on the answer sheets. Spelling errors on scientific names count ½ off of the credit for that portion of the answer.
7. Be sure to have head judge sign the score sheet and indicate the time that the event ended.
8. Be sure to turn in the completed score sheet to the head scorekeeper.

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Wood Technology

1. Each member club may enter one contestant.
2. A total of twenty (20) fresh pieces of wood will be given to the contestants for correct identification. A total of forty (40) minutes (2 minutes per wood specimen) will be allowed for this identification, proper recording and submission to the judges. The specimen will then be passed to the next contestant.
3. Only those woods given in "Key to Coniferous Woods - Gross Features" and "Key to Hardwoods - Gross Features" in Volume I (fourth edition) of the Textbook of Wood Technology by Panshin and deZeeuw may be used as test material. In the event that the key does not differentiate between two or more species on this basis, the judges will advise the contestants as to which name to use. Latin names (genus and species) and common names will be required for answers. The use of a key during the contest is prohibited. Each school shall be sent a list of tree species from which the test will be by January 1.
4. There will be one (1) point for the correct genus name and two (2) points for the correct species name. Genus and species must be underlined. One (1) point shall be given for the correct common name. One-half credit will be given for misspelling or failure to underline. Whether or not a species name is wrong or merely misspelled, shall be determined by the common name given by the contestant.
5. Contestants will be allowed the use of a 10 to 20 power land lens. The host club will ensure that adequate light is available for wood identification.
6. Only clean, fresh wood samples (no paint, varnish, shellac, etc.) will be used and the contestant will be allowed to cut the wood.
7. In case of a tie for first, second or third place, additional test woods will be given until a runoff winner has been decided.
8. True identification shall consist of identification made by the judges representatives. This true identification must be in the hands of the Judges Committee before the contest.
9. The stations must be at least five (5') feet apart.
10. If a species name shows up on the dendrology, wildlife or wood identification lists, they will all have the same common name.

Suggestions for Judges Committee

Wood Technology

1. Prior to the contest gather all contestants at least 30 minutes before the event is scheduled to start; record the contestants' names at this time (Please print clearly).
2. Read the rules to the contestants. Emphasize the scoring procedure for each specimen as explained in Rule 4. Settle any questions or problems now if at all possible.
3. Ask all contestants if they have any objections to the wood identification list.
4. Run the contest in the fashion that best suits you. Try to complete it as quickly as possible.
5. Grading of test sheets will not be done while contestants are present. Therefore, to avoid having to locate tied contestants, provide the contestants with 3 to 5 additional test specimens. Check for ties in first, second and third places. Only these three places must be resolved by runoff. Use the first specimen to separate the tie. If a tie still exists after the first tiebreaker specimen, use the second one; hopefully 3 to 5 tie-breaker specimens will suffice.
6. Be sure to have head judge sign the scoresheet and indicate the time that the event ended.
7. Be sure to turn in the completed score sheet to the head scorekeeper.

DO NOT ANNOUNCE
NAMES OF WINNERS
TO
ANYONE!

Wood Technology Species List

SOURCE: Panshin, A.J. and C. de Zeeuw. 1980. Textbook of Wood Technology. 4th edition. McGraw-Hill Book Co. New York.

Only those woods given in "Key to Coniferous Woods - Gross Features" and "Key to Hardwoods - Gross Features" in Volume 1 (fourth edition) of the Textbook of Wood Technology by Panshin and de Zeeuw may be used as test material. In the event that they key does not differentiate between two or more species on this basis, the judges will advise the contestants as to which name to use. Latin names (genus and species) and common names will be required for answers. The use of a key during the contest is prohibited. Each school shall be sent a list of tree species from which the test will be given by If a species name shows up on the dendrology, wildlife or wood identification lists, they will all have the same common name.

Rule 10 states: If a species name shows up on the dendrology, wildlife or wood identification lists, they will all have the same common name.

HARDWOODS

Acer rubrum, red maple
Acer saccharum, sugar maple
Alnus rubra, red alder
Betula spp., birch
Carya spp., Pecan, Hickories
Castanea dentata, American chestnut
Celtis occidentalis, hackberry
Cercis canadensis, eastern redbud
Cladrastis kentukea, yellowwood
Diospyros virginiana, common persimmon
Fagus grandifolia, American beech
Fraxinus americana, white ash
Fraxinus pennsylvanica, green ash
Ilex opaca, American holly
Juglans cinerea, butternut
Juglans nigra, black walnut
Liquidambar styraciflua, sweetgum
Liriodendron tulipifera, yellow-poplar
Maclura pomifera, Osage-orange
Magnolia grandiflora, southern magnolia
Magnolia virginiana, sweetbay
Nyssa sylvatica, blackgum
Platanus occidentalis, sycamore
Populus spp., cottonwood
Prunus serotina, black cherry
Quercus spp., red oak (group)
Quercus spp., white oak (group)
Robinia pseudoacacia, black locust
Tilia americana, American basswood
Ulmus spp., elm

SOFTWOODS

Abies balsamea, balsam fir
Chamaecyparis nootkatensis, Alaska-cedar
Chamaecyparis lawsoniana, Port-Orford-cedar
Juniperus virginiana, eastern redcedar
Picea spp., spruce
Pinus spp., southern pine
Pseudotsuga menziesii, Douglas-fir
Sequoia sempervirens, redwood
Taxodium distichum, baldcypress
Thuja plicata, western redcedar
Tsuga canadensis, eastern hemlock

Association of Southern Forestry Clubs Constitution

1. Name
 - a. The name of the organization shall be the Association of Southern Forestry Clubs, hereafter referred to as the ASFC.
2. Goals and Objectives
 - a. Goals: To encourage leadership, teamwork, competition, sportsmanship, professionalism, skill development, and fellowship among the students and clubs of the ASFC.
 - b. Objectives:
 - i. Hold an annual Conclave.
 - ii. Use the activities of planning for and participation in Conclave to encourage the development of leadership, teamwork, competition, sportsmanship, and professional skill development among students within ASFC member schools.
 - iii. The purpose of all competitions at Conclave should be to foster the ideals emphasized in Objective 2.
 - iv. Every effort should be made to enhance the importance and role of professionalism in Conclave.
3. Membership
 - a. Eligibility
 - i. Any forestry club of a university or college in Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, or West Virginia granting a baccalaureate degree in forestry, or equivalent, with a major of forestry shall be eligible for voting membership in the ASFC upon a majority approval of a petition submitted to the voting member clubs; or by application by representation at the Annual Conclave.
 - ii. Charter Members: Louisiana State University, University of Florida, Stephen F. Austin State College, Mississippi State University, Arkansas A&M College, University of the South, Auburn University, Oklahoma State University, University of Georgia, North Carolina State College, and Clemson Agricultural College.
 - iii. Any Forestry Club of a senior university or college within the states in Part 1 of this section not granting a baccalaureate degree in forestry shall be eligible for associate membership upon a majority approval of a petition submitted to the voting member clubs.
 - b. Privileges
 - i. Each member club is entitled to one vote and full participation in all Conclave activities.
 - c. Dues
 - i. The annual dues shall be two hundred dollars (\$200) for each member club. Entering clubs shall pay a reduced rate to be set by the ASFC.
 - ii. The dues shall be used to pay for correspondence, publications, and other ASFC expenses of the host club.
 - iii. The dues for the year will be paid to the host school by January 1, preceding the Conclave.
4. Officers
 - a. The officers of the ASFC shall be:
 - i. President - elected from and by the host club.
 - ii. Vice Presidents - elected from and by each member club.
 - iii. Secretary - elected from and by the host club.
 - iv. Treasurer - elected from and by the host club.
 - v. Editor - elected from and by the host club.
 - b. Tenure of Officers
 - i. Officers are to hold office until the next Annual Conclave, with the exception of the Editor, who will serve until The Southern Forester is distributed.
 - c. Election of Officers
 - i. The President, Secretary, Treasurer, and Editor of the ASFC shall be elected by the host club at their first club meeting following the Conclave.
5. Meetings and archived files
 - a. Meetings

- i. The business meetings will be held on the Thursday and Friday evenings.
 - ii. In case of a tie during a vote, the President will cast the deciding vote.
 - iii. No club shall be the host more than once in three years.
 - iv. If a previously elected host notifies the members of the ASFC by October 1 (preceding the Conclave) that they cannot hold the Conclave, the President shall solicit bids from the members and then send a ballot to each member club to be voted on in writing.
 - v. The host club shall be alternated from east to west whenever possible.
 - b. Files
 - i. Accumulative files shall be maintained by the host club and shall include all members' reports and correspondence.
 - ii. Each file shall contain a copy of the ASFC Constitution.
- 6. Amendments
 - a. The constitution may be amended or revised by a two-thirds vote of the voting member clubs.
- 7. By-laws
 - a. By-laws of the ASFC shall be established and altered during the annual Conclave business meeting, or at other times by special vote of the clubs in the extraordinary cases. The by-laws may be altered by a simple majority vote.

ASFC By-Laws

1. Duties of the ASFC Officers
 - a. President
 - i. To preside at all meetings of the ASFC.
 - ii. To appoint committees.
 - iii. To be responsible for submitting an officers' report to the accumulative files upon the completion of the ASFC Conclave.
 - iv. To be responsible for obtaining reports from each of his committees and officer heads of the host club.
 - v. To perform all other duties necessary.
 - b. Vice President
 - i. To act as a representative of their club.
 - ii. To notify the President of his/her election.
 - iii. To complete a report of the activities of their club in the ASFC and be responsible for submitting materials to the host club for The Southern Forester.
 - iv. To be responsible for maintaining an accumulative file of ASFC correspondence with their club.
 - c. Secretary
 - i. To keep the minutes of all meetings of the ASFC and to conduct all correspondence relative to the business of the ASFC.
 - ii. To submit an officer's report for the accumulative files upon completion of the ASFC Conclave.
 - d. Treasurer
 - i. To receive and have custody of all money paid to the ASFC.
 - ii. To keep a careful record of all receipts and expenditures.
 - iii. To prepare a financial report for publication in the annual issue of The Southern Forester.
 - iv. To be responsible for the collection of the dues.
 - e. Editor
 - i. To gather and edit all material for the annual publication, The Southern Forester.
 - ii. To see that the provisions of Section 2 of the By-laws are carried out.
2. Publications
 - a. The title of the ASFC publication shall be The Southern Forester.
 - b. The Constitution shall be published annually in The Southern Forester.
 - c. The past host club shall publish the Southern Forester within one month after the Annual Conclave, if possible.
 - d. Securing items for publication:
 - i. The articles shall be edited by the member clubs and submitted to the host club.
 - ii. Articles to be printed in the current issue must be in the hands of the publishing editor not later than the time of the Annual Conclave.
 - e. Each person registered for Conclave and the faculty advisors will receive one (1) copy of The Southern Forester.
 - f. Proceedings of each Annual Conclave, including minutes of the business meetings, will be published by the host club in The Southern Forester.
3. Contests
 - a. Conclave competition will consist of the following standard technical contests:
 - i. Dendrology
 - ii. Compass and Pacing
 - iii. Timber Estimation
 - iv. DBH Estimation
 - v. Pole Classification
 - vi. Wood Technology
 - vii. Photogrammetry
 - viii. Wildlife
 - b. Conclave competition will consist of the following standard physical contests:
 - i. Men's Bow Sawing
 - ii. Log Rolling

- iii. Men's Crosscut Sawing
 - iv. Women's Crosscut Sawing
 - v. Jack & Jill Crosscut Sawing
 - vi. Log Chopping
 - vii. Pole Felling
 - viii. Log Birling
 - ix. Archery
 - x. Chain Throwing
 - xi. Axe Throwing
 - xii. Pole Climbing
 - xiii. Women's Bow Sawing
- c. Scoring will be based on the number of schools participating in the Conclave. First place winners in physical events will be awarded a number of points equal to the total number of schools participating. Second place winners receive one less point than the total number of participating schools, and so on. Member clubs do not accrue points for events in which their contestant(s) is/are disqualified. First place winners in technical events will be awarded a number of points equal to the number of schools multiplied by 1.5. Second place winners will receive 1.5 points less than the total number of points awarded first place; third place winners will receive 3 less points than the total number of points awarded to first place, and so on, with each succeeding participant who satisfactorily completes the events receiving 1.5 or more points. Any ties for first, second, or third place in each event must be broken by a runoff as specified by the in the rules for each event. In the case of ties for all other places, the tied contestants will equally share the points.
- d. In addition to the standard events established in Section B, there may be a maximum of five contests at the discretion of the host club provided that these contests can be specified with rules and explanations at the proceeding Annual Conclave. Requests for omission of any standard contest will be made at the proceeding Annual Conclave, with a two-thirds majority vote necessary for approval.
4. Policies Governing Conclave Participation.
- a. A standard set of rules will be made and approved by the voting members of the ASFC.
 - b. A Head Judge and one or more additional Assistant Judges will be assigned to each event before competitions begin at a Thursday evening meeting of the faculty advisors. Head Judges for technical events will be the person who was responsible for setting up the contest, unless they are not in attendance. A member of the Protest Committee (see Section 6-B) will also be assigned to each event. Judges for the physical and technical events will be selected by the faculty advisors the first day of conclave.
 - c. Contestants must be an undergraduate enrolled in an ASFC eligible school (see Article III, Section A, 1-3) during the term of the conclave in which he/she will be competing. Only students presently enrolled in the school or department of forestry (or its equivalent) will be eligible to enter ASFC events. Schools without wildlife or other technical expertise within their forestry programs will be allowed to use those majors who are dues paying members of the Forestry Club. Each University must provide a list of competitors that has been certified (signed) by the Dean or Chair. The list should state that every listed competitor is eligible given the requirements stated in Section C above.
 - d. To participate in Conclave, each school must be accompanied by at least one faculty advisor (or other university employee so designated by the Head/Director/Dean). The faculty advisor is vital to Conclave participation because he/she provides continuity within the team, supplies the cadre of adults needed to serve as event judges, and demonstrates that the school is committed to the ideals of Conclave and is willing to host Conclave when it is their school's turn. It is understood that unforeseen circumstances may preclude a faculty advisor from attending. In this situation, it is the responsibility of the school to get written permission (including a description of the extenuating circumstances) from its Head/Director/Dean, and to submit this documentation to the host school before they will be allowed to participate. Under the very rare circumstances of an emergency or unexpected serious health issue related to their faculty advisor, where he/she can not attend, a school may present their case to the host school and ask to participate. This decision will be entirely up to the host school. All schools participating without a faculty advisor will be suspended from participation in Conclave the following year. This suspension will be lifted if the school returns to Conclave the next year with their faculty advisor. However, schools without a faculty advisor present at Conclave for 2 consecutive years will not be allowed to participate and they will

be temporarily expelled. A temporary expulsion may be lifted when the school petitions the other member schools for the right to return with a faculty advisor, and then does so. It is expected that a school on temporarily expulsion will pay its team dues each year, or be permanently expelled. The petition for reinstatement will be conducted through the school hosting Conclave and will be accepted or denied via a simple majority vote of the schools (e.g., 8 of 15 for or against). A school on suspension or temporary expulsion will not be allowed to host conclave. In addition, the school will be moved back into the hosting sequence as soon as possible after they are reinstated. All actions covered under this section will be reported via letter from the Head/Director/Dean of the host school to the Head/Director/Dean of any school being suspended or expelled. (Added in April of 2009 via email vote)

- e. If a member of a Conclave delegation or spectators from any member club, intentionally or otherwise interfere with the progress of any event in the Conclave, that delegation shall forfeit the rights to score any points from that event.
5. Admittance and Withdrawal from ASFC Membership.
- a. V.P.I. is hereby considered a member of the ASFC by vote taken on May 4, 1963.
 - b. Tennessee is hereby considered a member of the ASFC by unanimous vote taken on April 9, 1967.
 - c. The University of the South is hereby no longer considered a member of the ASFC after submission of a letter of resignation on April 12, 1969.
 - d. The University of Kentucky is hereby no longer considered a member of the ASFC by a vote taken on March 29, 1974.
 - e. Texas A&M is hereby considered a member of the ASFC by a vote taken on April 12, 1975.
 - f. Louisiana Tech is hereby considered a member of the ASFC by a vote taken on April 6, 1979.
 - g. West Virginia University is hereby considered a member of the ASFC by a vote taken on March 27, 1981.
 - h. West Virginia is no longer considered a member of the ASFC after submission of a letter of resignation on December 5, 1981.
 - i. Louisiana State University is no longer a member of the ASFC following e-mail correspondence to ASFC advisors from LSU School of Natural Resources Director on March 19, 2004.
 - j. Alabama A&M is hereby considered a member of the ASFC by a vote taken on March 26, 2004.
 - k. University of Kentucky is hereby considered a member of the ASFC by a vote taken on March 10, 2006.
 - l. Abraham Baldwin Agricultural College is hereby considered a member of the ASFC by a vote taken on March 16, 2013.
6. Adjustments to Event Rules
- a. A table of random numbers will be used to choose the order of teams participating in each event. This order will be sent to each participating school before the Conclave.
 - b. Contest protests must be filed in writing with a member of the Protest Committee (see below) within 15 minutes of the end of the contest. From an alphabetical list, those schools in odd-numbered positions (1, 3, 5, 7, 9, 11, 13, 15) shall provide one member for the Protest Committee for the odd year Conclaves. Those schools in even-numbered positions (2, 4, 6, 8, 10, 12, 14) shall provide one staff member for the even year Conclaves. This alternate-year rotation system shall be continuous. Decisions rendered by the Protest Committee require a simple majority vote of the Protest Committee members present at the hearing. The decisions are final and are to be communicated to the involved parties as soon as possible.
 - c. Contestants in the log chopping event must wear the required feet and leg protection.
 - d. The host club must supply tentative lists for contests involving lists to member schools by November 1/November 1. Complaints or suggestions for revision must be mailed back to the host club by December 1. Final lists must be sent to all clubs by February 1, with no changes being made after this date.
 - e. The Sportsmanship Award will be voted on by the Conclave Vice-Presidents. A confidential ballot will be submitted within one hour after the last event to the host club. In case of a tie, the host club will place the deciding vote; otherwise, the host club will not vote. Clubs may not vote for themselves.
 - f. In case of a tie for the Ten Year Cup, the decision will be made by total number of points from the past ten years. The member club that retires the Ten Year Cup is responsible for obtaining the new overall Ten Year Cup and will bring it to the next Conclave.
 - g. The host school should come up with nonpoint events to be distributed by November to other schools for their approval or disapproval as to whether the events should be conducted.

- i. Jack and Jill Cross-cut Sawing was officially designated one of the Standard Competitive Contests (a "point event") by unanimous mailed-in votes from the Member Clubs on April 1, 1992. This corrects an omission in that the status of the Jack and Jill Cross-cut Sawing event was never officially voted upon, although it was thought to be a "point event."
 - j. Guidelines for the Photogrammetry contest were developed by Clemson and distributed by Louisiana Tech. These guidelines were established as part of the rules for the Photogrammetry event by unanimous vote (mailed-in) from Member Clubs on April 1, 1992.
 - k. In the event of any display of unsportsmanlike behavior the contestant will automatically be disqualified with no points awarded for the event, with final determination made by the Protest Committee. Passed by unanimous vote on March 25, 1993, and becoming effective March 26, 1993.
 - l. For safety reasons, the chip start for all crosscut sawing events was eliminated by a majority vote of faculty advisors on December 12, 2006.
 - m. Due to cessation of the manufacture of 132 foot chains, the use of 100 foot chains was officially adopted for Chain Throw by a vote at the ASFC executive meeting March 17, 2007.
 - n. A clarification of scoring for Axe Throw was adopted by a vote at the ASFC executive meeting March 17, 2007. From this date forward, double sticks will be awarded zero points, and points will only be awarded for sticks of the leading edge of the blade.
 - o. In Women's Crosscut Saw, teams with only one eligible female competitor can avoid scoring zero points by adding an ineligible female from their school, or another competing school. A 2-female team of this makeup will receive last place points, regardless of the time. This rule was adopted by a vote at the ASFC executive meeting March 17, 2007.
7. Conclave Judicial System
- a. The Conclave Judicial System has two goals:
 - i. Protecting the environment of Conclave, and
 - ii. Protecting the rights of individuals involved in the disciplinary process. The system strives to protect the Conclave environment against acts of violence, destruction, and vandalism, and to provide a quality competing and learning environment that is safe, secure, and conducive to Conclave pursuits. Therefore, on occasion, it may be necessary to remove individuals from the Conclave community when their behavior warrants such actions. Finally, the system seeks to protect the rights of individuals involved in the disciplinary process and promoting fair and just decisions.
 - b. Standards of Conduct. The Conclave Standards of Conduct are set forth in writing to give individuals and clubs notice of prohibited conduct. While participating in Conclave, individuals and advisors are representatives of their university and the natural resource professions represented, and, as such, are subject to oversight and the standards of conduct of their sponsoring university and the ideals of being a professional. Specifically:
 - i. Individuals away from their campus as university representatives are subject to disciplinary action by their university for breaches of conduct as defined in their university's student conduct code and/or organization constitution. All accompanying advisors are authorized to maintain good order and good representation while traveling to and from Conclave, as well as during Conclave. Upon return of individuals to their campus, disciplinary action of a penalizing nature may be instituted against individuals for misconduct during trips.
 - ii. Professionals are expected to exhibit the highest standards of honesty and integrity. They have a direct and vital impact on the quality of life for all people. Accordingly, the services provided by professionals require honesty, impartiality, fairness, and equity. Professionals must perform under a standard of behavior that requires adherence to the highest principles of ethical conduct.
 - iii. It is the responsibility of each club to be accountable for the collective and individual actions of its members. So, each club is responsible for maintaining order and professional conduct within their membership. Thus, it is expected that individual clubs will police themselves. Should individual club members, or entire clubs, fail to meet the expectations of professional conduct, disciplinary action of a penalizing nature may be instituted against them by the Judicial System. Unprofessional conduct by club members includes any behavior or action that breaks the rules of individual conduct put forward by the host university or that of Conclave, especially behavior that brings Conclave into

public disrepute, contempt, or ridicule, or that reflects unfavorably upon the reputation and ethical standards of its host university.

- iv. Specific behaviors and actions that are prohibited during Conclave include, but are not limited to:
 - 1. Alcohol: Possession, use, or distribution of alcohol by a minor. Distribution of alcohol to a minor. Public intoxication.
 - 2. Illicit drugs: Possession, use, or distribution of illicit drugs.
 - 3. Disorderly Conduct: Any behavior that disrupts the regular normal functions of the Conclave community, including behavior that breaches the peace or violates the rights of others.
 - 4. Lewd, Indecent, or Obscene Behavior: Although undefined here, it may include profanity, obscenity within chants, or public nudity.
 - 5. Weapons, Firearms, and Explosives: The unauthorized use or possession of fireworks, firearms, dangerous chemicals, explosive materials, dangerous devices capable of casting a projectile, or other lethal weapons are prohibited.
 - 6. Threats of Physical Abuse: The threat to endanger the health or safety of any person or group.
 - 7. Physical Abuse or Endangering Conduct: An act that imperils or jeopardizes the health or safety of any person or group.
 - 8. Responsibility for Guests of Students: Conclave participants are responsible for informing their guests of Conclave policies and they will be held accountable for the behavior of their guests.
 - 9. Violation of Local, State and/or Federal Laws: Violations are a concern to the university when such acts result in damage or disrepute to the institution, its property, its faculty and staff, or its students.
- v. To ensure that the students, guests, and spectators participating in Conclave understand the Standards of Conduct the following actions will be completed:
 - 1. The standards of conduct must be discussed among students and club advisors in at least one meeting prior to the individuals signing the required statements of understanding that most schools require.
 - 2. Requiring Conclave participants to read the standards for conduct and to sign that they have read and understand them.
 - 3. The standards of conduct will be reinforced again at a meeting of all Conclave participants and their advisors once the clubs get to Conclave. This could be done on an individual club basis or at a group meeting of all clubs and their members.
 - 4. Providing the standards of conduct in the form of a "handout" to all guests entering the Conclave site. Or, alternatively, posting them at the entry ways where spectators will see them.
 - 5. Finally, self-policing by individual clubs of their members will be initiated to prevent problems and to "immediately correct" those infractions that do occur.
- c. Conclave Judicial Board Composition
 - i. The President or Vice President (or in their absence, one-delegated person) for five (5) of the participating clubs (selected prior to Conclave via random drawing) and the principal Faculty Advisors from all participating clubs will act as a Conclave Judicial Board to hear evidence and to decide if individuals or clubs have violated the Conclave Standards of Conduct. The principal Faculty Advisor of the host school will serve as the Hearing Officer. If actions are to be brought against an individual or club with officer representation on the Conclave Judicial Board, an alternate club will be selected to provide officer representation. The faculty advisor for the individual/club under investigation will excuse herself/himself as a judge in the proceedings.
- d. Inherent Authority
 - i. The host University reserves the right to take necessary and appropriate action for on- and off-campus behaviors in order to protect the safety and well-being of the Conclave community. Such action may include, but is not limited to, the immediate removal of an individual from the Conclave premises.
 - ii. The rules and regulations described apply to all conduct on University owned, controlled, or operated property, and at all Conclave-sponsored locations and functions. Charges or

conflicts resulting from violations of local, state, or federal law may not result in disciplinary action by the Conclave Judicial Board, but instead may be dealt with by the appropriate civil authorities.

- iii. Charges of individual misconduct must be brought to the attention of any club advisor or any representative of the host school, who must report it to the principal faculty advisor of the host school, as soon as possible (ASAP). A preliminary investigation by a representative of the host school, appointed by the host school's principal advisor, will be conducted to determine if judicial action is required or appropriate. If judicial action is deemed appropriate, the principal advisor of the host school will notify the individual(s) ASAP of all alleged violations.
- e. Individual and Club Responsibilities and Rights
 - i. Responsibilities:
 - 1. The obligation to be fully acquainted with all published regulations and to comply with them in the interest of an orderly and productive Conclave community.
 - 2. The obligation of knowing that one's conduct reflects not only upon oneself but also upon Conclave and its participants.
 - 3. The obligation to follow the tenets of common decency and acceptable behavior commensurate with the aspirations implied by an educated person.
 - 4. The obligation to respect the rights and property of others.
 - ii. Rights:
 - 1. The right to a Conclave environment characterized by safety, order, and mutual respect.
 - 2. The right to a fair hearing when disciplinary action is initiated against an individual or a club.
 - iii. Judicial Rights: Any individual involved in potential disciplinary action is guaranteed certain rights to ensure fair and just decisions. A list of judicial rights is listed below:
 - 1. The right to the presumption of innocence unless guilt is established. Guilt is determined either by an admission of guilt by the accused or by the presentation of evidence to the Board, which establishes guilt by the preponderance of evidence.
 - 2. The right to be given written notice of the nature of the charge against him/her ASAP after:
 - a. the alleged violation has occurred or,
 - b. the individual and/or club has been identified as the alleged violator.
 - 3. The right to be notified of the time and place of the judicial hearing at least one (1) hour prior to the hearing to allow time to prepare her/his/their case.
 - 4. The right to be accompanied in a judicial hearing by one advocate. The advocate may either be another individual participating at Conclave, or her/his/their club advisor. The accused are responsible for ensuring that his/her/their advocate is available for the hearing.
 - 5. The right, upon request, to face one's accuser(s) at the hearing.
 - 6. The right not to answer any questions prior to the hearing.
 - 7. The right of access, upon request prior to the hearing, to all physical evidence (i.e., digital images, printed documents, etc.) to be presented at the hearing.
 - 8. The right to a fair hearing.
 - 9. Neither the accused nor the Conclave Judicial Board will be represented by legal counsel.
 - 10. No visitors are permitted. All persons present, excluding Conclave Judicial Board members and the hearing officer will be excused from the hearing for the deliberation.
 - 11. The right to testify and present evidence and material witnesses. It is the responsibility of the accused to notify witnesses to testify on his/her/their behalf.
 - 12. The right to refuse to answer questions. Refusal to answer will not be taken as an indication of guilt and must be noted without prejudice.
 - 13. The right not to appear at the hearing. Non-attendance at a hearing will not be taken as an admission or indication of guilt and must be noted without prejudice.

- However, a ruling will be made in all cases brought before the Judicial Board, regardless of whether the person is in attendance.
14. The right to hear, question, and rebut adverse witnesses and to rebut unfavorable inference which might be drawn from adverse evidence.
 15. The right to be judged solely on the evidence presented at the hearing and to an explanation of the reason(s) for the decision in the case within reasonable boundaries of confidentiality. Both the accuser and the accused will be informed of the outcome of any judicial hearing.
 16. The right to appeal to the Dean/Director/Head of the academic unit hosting Conclave.
- f. **Disciplinary Sanctions for Violations of Codes of Conduct.** Disciplinary sanctions within the Conclave Judicial System to which individuals or clubs will be subjected to include, but are not limited to, the following:
- i. **Warning:** Oral or written notice that a specific behavior or a series of actions is unacceptable such that repetition would most likely result in more serious disciplinary action, such as probation, suspension, or expulsion. The individual or club may be officially warned by a Contest Judge, Club Faculty Advisor, or any official of the host school, that further unacceptable behavior will result in more serious action.
 - ii. **Restitution:** Compensating the host University or other injured parties including faculty, staff, students, or visitors, for damaged, lost, or destroyed property, or personal injury. This action will be officially reported to the Dean/Director/Head of the student's or club's school.
 - iii. **Suspension:** Loss of specifically designated privileges, which could include, but are not limited to: removal as a Conclave participant, which could include removal from some or all of the remaining, and/or future, Conclave activities. The individual or club is eligible to petition the Conclave Judicial Board for reinstatement. Written petitions must be filed with the Hearing Officer within 12 hours of notification of suspension. If the conduct of individuals within clubs is not self-policed, then actions may be taken against clubs to encourage self-policing. This may include suspension of a club for the actions of one or more of its members or guests. If needed, when Conclave is not convened, this process may be conducted via electronic communication. Due process will be followed. This action will be officially reported to the Dean/Director/Head of the student's or club's school.
 - iv. **Expulsion:** When the behavior of an individual for club is totally unacceptable or is harmful to the well-being of Conclave and the host University, the individual or club will be expelled from the current, and/or future, Conclaves. The individual or club will be separated immediately from Conclave and must leave the Conclave site for a specified period of time, after which the individual or club is eligible to petition the Conclave Judicial Board for readmission. If the conduct of individuals within clubs is not self-policed, then actions may be taken against clubs to encourage self-policing. This may include expulsion of a club for the actions of one or more of its members or guests. If needed, when Conclave is not convened, this process may be conducted via electronic communication. Due process will be followed. This action will be officially reported to the Dean/Director/Head of the individual's or club's school.
 - v. **School notification:** For individuals/clubs convicted of sanctions 2 to 4, the university hosting Conclave will notify, in writing, the Dean/Director/Head of the individual's or club's school.
- g. **Interim Sanctions**
- i. Normally, no sanction will result from the filing of a complaint or from the initiation of disciplinary action. However, pending a hearing, or in extraordinary circumstances, the host University may implement provisional sanctions including, but not limited to, the suspension of an individual when and where the safety of persons or property or the ability of any other individuals to pursue Conclave goals would be placed in jeopardy by the continued presence of said individual. Such provisional suspension will not extend beyond 24 hours unless continued by the Conclave Judicial Board after the individual has been given the opportunity to show cause why the suspension should be discontinued. All interim sanctions will be limited and will not be construed to be disciplinary.
- h. **Appeal Procedure**

- i. An individual or club may appeal decisions of the Conclave Judicial Board to the Dean/Director/Head of the academic unit hosting Conclave.
- ii. Appeals based upon concrete, objective data are most likely to receive favorable consideration. Some examples include, but are not limited to, the following:
 1. Irregularities in due process, which may have influenced the outcome of the hearings;
 2. Demonstrated prejudice against the accused by any participating board members;
 3. Introduction of new evidence that was not available at the time of the original hearing;
 4. The sanction imposed did not fit the offense; or
 5. Any other reasons where a hearing may be construed as unfair.
- iii. The accused must submit a written statement of the reasons for appealing to the Dean/Director/Head of the academic unit hosting Conclave. This statement must be submitted within 12 to 16 hours following receipt of the Conclave Judicial Board decision.
- iv. The Dean/Director/Head of the academic unit hosting Conclave may take the following actions:
 1. Decide that there are not sufficient reasons to grant an appeal and thus affirm the original action. In this instance, the original action will stand;
 2. Send the case back to the Conclave Judicial Board to reconsider a certain portion of its sanction;
 3. Decide that there is sufficient reason to grant an appeal hearing.
- v. If an appeal is granted, the Dean/Director/Head of the academic unit hosting Conclave may:
 1. Limit the appeal to only such evidence that may relate to the seriousness of the sanction, or to any other controversial point cited in the appeal;
 2. Decide to have a completely new hearing, thereby nullifying any action taken in the original hearing;
 3. Summon to the appeal hearing at least one member of the Conclave Judicial Board that originally heard the case;
 4. Take action that will affirm, reverse, or modify the original action. Sanctions may not be increased within the appeal process.

8. Conclave Safety Plan

- a. Everyone is concerned with injury to participants and to spectators when conducting Conclave events. Thus, security and medical professionals should be at the competition site during scheduled Conclave events to deal with problems
- b. Because the risks involved can range from minimal to serious, the a risk management plan will be developed and will be followed to at all times. Copies of the plan are available from the university that last hosted Conclave.

Updated February 2015

Physical Events

Chain Throw

Risks could be a contestant falling, minor cuts from the chain, and sprains or broken bones from falls.

Pole Fell

Risks could be a contestant getting minor cuts or scratches. However, inattentive judges could be seriously injured by a falling pole.

Pole Climb

Risks would be a contestant falling from the pole and the possibility of sprains or broken bones, to simple slivers and skin burns. Three students from the contestant's school hover under the person to break any falls. Injury could occur to the climber or those trying to break a fall.

Log Birling

Risk would be a contestant getting bumps, bruises, or small open wounds. Cuts to feet might occur if broken glass or sharp metal is present on the lake bottom.

Bow Sawing (Men's and Women's)

Risk would be contestants seriously cutting themselves on the leg by the sharp teeth of the saw as it drops at the end of the cut, or receiving minor cuts. Additionally, if the blade begins to serpentine within the cant and the cutter is inexperienced, considerable effort is needed to complete the cut and could lead to exhaustion and muscle pulls.

Crosscut Sawing (Men's, Women's, and Jack and Jill)

Risk would be contestants seriously cutting themselves on the leg by the sharp teeth of the saw as it drops at the end of the cut, or receiving minor cuts. This has happened in recent conclaves and an emergency room visit was needed to stitch-up the wound.

Archery

Risk would be a contestant misfiring and causing injury to another contestant, judge, or a spectator.

Axe/Knife Throwing

Risk would be a contestant cutting himself/herself with a sharp edge or the knife/axe ricocheting off the target stand and striking a spectator. We have had instances of cuts to the head during the axe throw when the contestant was using an overhead throw. An emergency room visit was needed to stitch-up the wound.

Log Chopping (Involves a contestant standing on and chopping through a standard cant that has been fastened to a base, as fast as possible. Metal shoe protectors and shin guards are required. Seven cants are being chopped simultaneously in two heats, so contestants are spaced to minimize risk. Typically there are 3 judges watching and timing each contestant)

Risk would be a contestant receiving minor cuts or deep open wounds, especially to their feet or ankles. Additionally, the axe could fly out of a contestant's hands, injuring a judge or spectator. For this reason, spectators are kept a considerable distance from the event, and judges place themselves in locations where they are less likely to be hit by a flying axe.

Technical Events

Photogrammetry

There are no obvious risks, except eye strain if lighting is poor.

Wildlife Identification

There are no obvious risks. In rare situations, allergic reactions to the preservatives used in specimens might occur.

Dendrology

Risk would be a contestant receiving small cuts and scratches, or falling down and spraining a wrist or ankle, or breaking a bone, or falling branches or trees. Wasp stings, ticks and chiggers, twigs in eyes, and snake bites are possible.

DBH Estimation

Risk would be a contestant receiving small cuts and scratches, or falling down and spraining a wrist or ankle, or breaking a bone, or falling branches or trees. Wasp stings, ticks and chiggers, twigs in eyes, and snake bites are possible.

Compass and Pacing

Risk would be a contestant receiving small cuts and scratches, or falling down and spraining a wrist or ankle, or breaking a bone. Wasp stings, ticks and chiggers, twigs in eyes, and snake bites are possible.

Pole Classification

Risk would be a contestant receiving small cuts and scratches, or falling down and spraining a wrist or ankle, or breaking a bone, or falling branches or trees. Wasp stings, ticks and chiggers, twigs in eyes, and snake bites are possible.

Timber Estimation

Risk would be a contestant receiving small cuts and scratches, or falling down and spraining a wrist or ankle, or breaking a bone, or falling branches or trees. Wasp stings, ticks and chiggers, twigs in eyes, and snake bites are possible.

Wood Technology

Risk would be a contestant receiving small cuts and scratches from using a pocketknife to cut wood samples. Eye strain might occur if lighting is poor.

Precautions

During the events, participants have the option of using any safety equipment (PPE) they have brought with them. Rules for individual events have been examined in order to modify safety requirements relative to the above mentioned risks. Mandatory safety equipment is discussed under each event. For all of the physical events, there will be certified paramedics present to tend to any minor or major injuries. First Aid kits will be provided to the technical event judges for the minor injuries that might occur. First Aid kits will also be provided in all vans used to transport participants. Phones will be provided to head judges for technical events if they need help from paramedics. Precautions will be taken to ensure the safety of spectators. These include roping off designated areas at a distance to where injury to spectators watching contests is almost impossible. Also, maps to the nearest hospital will be provided to each school upon check-in to the event, and they will be posted in heavily used areas in case students are injured at times when paramedics are not available. Emergency phone numbers will be attached to these maps. Because there has been considerable van-based travel to and from events for participants at some conclaves, trained drivers and sufficient well-maintained vans will be provided. Additionally, because a branch or tree might fall and hit someone while in the woods, or tripping and striking one's head on tree might occur, hard-hats must be worn during all forest-based technical events. Finally, to reduce the chance of snake bites, and sprains and breaks, good quality high-top boots should be worn during all forest-based technical events.

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Appendix

List of Species for Dendrology Event Southern Forestry Conclave at Clemson University 2016

Introduction:

Current trends in plant taxonomy have been to develop a classification scheme based upon monophyletic lines of descent. The relatively recent inclusion of molecular data in this pursuit has caused many taxonomists to propose lumping or splitting many long-established genera or families or both. These changes, of course, require nomenclatural changes, and many changes have been proposed over the last 10+ years. To avoid the academic issues of classification schemes ("lumpers," "splitters," "traditionalists" and "progressives") during the Dendrology Event at the Southern Forestry Conclave, we propose accepting more than one name for selected taxa, as indicated below. Newer names are listed first. With a few species listed below, disagreement exists among authorities as to the correct spelling. We propose accepting either. Owing to the regional nature of some common names, we also propose accepting more than one common name, as shown below. Other common names may also be accepted, if allowed by a majority of the dendrology judges present at the event.

Woody species encountered in more-or-less natural forests or plantations in the Piedmont and southern Blue Ridge Mountains are included on the species list, along with some common non-natives. We also continued the long tradition of concentrating on trees, as defined by Little, E.L. 1979. ***Checklist of United States Trees (Native and Naturalized)***.

The following books will be used as references for identification:

- Hardin, J.W., D.J. Leopold and F.M. White. 2001. ***Harlow and Harrar's Textbook of Dendrology***, Ninth Edition
- Radford, A.E., H.E. Ahles and C.R. Bell. 1968. ***Manual of the Vascular Flora of the Carolinas***
- Samuelson, L.S. and M.E. Hogan. 2006. Forest Trees - ***A Guide to the Eastern United States***
- Kirkman, L.K., C.L. Brown, and D.J. Leopold. 2007. ***Native Trees of the Southeast***

Nomenclature, however, will follow the list below.

Reference List: The species listed below are possible questions in the Dendrology Event.

ACERACEAE

<i>Acer saccharum</i>	sugar maple
<i>Acer saccharinum</i>	silver maple
<i>Acer barbatum</i>	Florida maple
<i>Acer negundo</i>	boxelder
<i>Acer pensylvanicum</i>	striped maple
<i>Acer rubrum</i>	red maple
<i>Acer spicatum</i>	mountain maple

ANACARDIACEAE

<i>Rhus copallina</i>	shining sumac
<i>Rhus glabra</i>	smooth sumac

ANNONACEAE

<i>Asimina triloba</i>	pawpaw
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AQUIFOLIACEAE

<i>Ilex opaca</i>	American holly
<i>Ilex vomitoria</i>	yaupon

ARALIACIAE

<i>Aralia spinosa</i>	devils walking-stick
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BETULACEAE

<i>Alnus serrulata</i>	hazel alder
<i>Betula alleghaniensis</i>	yellow birch
<i>Betula lenta</i>	black (sweet) birch
<i>Carpinus caroliniana</i>	American hornbeam
<i>Corylus americana</i>	hazelnut
<i>Ostrya virginiana</i>	eastern hophornbeam
<i>Betula nigra</i>	river birch

BIGNONIACEAE

<i>Catalpa bignonioides</i>	southern catalpa
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CAPRIFOLIACEAE

<i>Viburnum rufidulum</i>	rusty blackhaw
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CLETHRACEAE

Clethra acuminata mountain pepperbush

CORNACEAE

Cornus florida flowering dogwood

Nyssa sylvatica blackgum

CUPRESSACEAE

Calocedrus decurrens incense-cedar

Chamaecyparis lawsoniana Port Orford-cedar

Chamaecyparis thyoides Atlantic white-cedar

Cryptomeria japonica Cryptomeria or Sugi

Cunninghamia lanceolata Cunninghamia or China-fir

Cupressus arizonica Arizona cypress

Juniperus communis common juniper

Juniperus virginiana eastern redcedar

Metasequoia glyptostroboides dawn redwood

Platycladus orientalis oriental arborvitae

Sequoia sempervirens redwood

Taxodium ascendens pondcypress

Taxodium distichum baldcypress

Thuja occidentalis northern whitecedar

x Cupressocyparis leylandii Leyland cypress

EBENACEAE

Diospyros virginiana common persimmon

ELAEAGNACEAE

<i>Elaeagnus pungens</i>	silverthorn, thorny olive
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ERICACEAE

<i>Kalmia latifolia</i>	mountain-laurel
<i>Oxydendrum arboreum</i>	sourwood
<i>Rhododendron maximum</i>	great rhododendron
<i>Vaccinium arboreum</i>	tree sparkleberry

EUPHORBIACEAE

<i>Triadica sebiferum</i>	Chinese tallow-tree
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FABACEAE

<i>Cladrastis lutea</i>	American yellowwood
<i>Robinia pseudoacacia</i>	black locust
<i>Gymnocladus dioica</i>	Kentucky coffeetree
<i>Albizia julibrissin</i>	mimosa
<i>Gleditsia triacanthos</i>	honeylocust
<i>Cercis canadensis</i>	Eastern redbud

FAGACEAE

<i>Castanea dentata</i>	American chestnut
<i>Castanea mollissima</i>	Chinese chestnut
<i>Castanea pumila</i>	chinkapin
<i>Fagus grandifolia</i>	American beech
<i>Quercus acutissima</i>	sawtooth oak
<i>Quercus alba</i>	white oak
<i>Quercus coccinea</i>	scarlet oak
<i>Quercus falcata</i>	southern red oak

<i>Quercus glauca</i>	ring-cupped oak
<i>Quercus imbricaria</i>	shingle oak
<i>Quercus lyrata</i>	overcup oak
<i>Quercus macrocarpa</i>	bur oak
<i>Quercus marilandica</i>	blackjack oak
<i>Quercus michauxii</i>	swamp chestnut oak
<i>Quercus montana</i> (Q. prinus)	chestnut oak
<i>Quercus nigra</i>	water oak
<i>Quercus palustris</i>	pin oak
<i>Quercus phellos</i>	willow oak
<i>Quercus rubra</i>	northern red oak
<i>Quercus stellata</i>	post oak
<i>Quercus velutina</i>	black oak
<i>Quercus virginiana</i>	live oak

GINKGOACEAE

<i>Ginkgo biloba</i>	ginkgo
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HAMAMELIDACEAE

<i>Hamamelis virginiana</i>	witch-hazel
<i>Liquidambar styraciflua</i>	sweetgum

HIPPOCASTINACEAE

<i>Aesculus flava</i>	yellow buckeye
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JUGLANDACEAE

<i>Carya cordiformis</i>	bitternut hickory
<i>Carya glabra</i>	pignut hickory
<i>Carya glabra</i> var. <i>odorata</i>	red hickory

<i>Carya illinoensis</i>	pecan
<i>Carya ovata</i>	shagbark hickory
<i>Carya tomentosa</i>	mockernut hickory
<i>Juglans cinerea</i>	butternut
<i>Juglans nigra</i>	black walnut

LAURACEAE

<i>Persea borbonia</i>	redbay
<i>Sassafras albidum</i>	sassafras

LYTHRACEAE

<i>Lagerstroemia indica</i>	crapemyrtle
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MAGNOLIACEAE

<i>Liriodendron tulipifera</i>	yellow-poplar
<i>Magnolia acuminata</i>	cucumber tree
<i>Magnolia fraseri</i>	Fraser magnolia
<i>Magnolia grandiflora</i>	southern magnolia
<i>Magnolia macrophylla</i>	bigleaf magnolia
<i>Magnolia tripetala</i>	umbrella magnolia
<i>Magnolia virginiana</i>	sweetbay magnolia

MELIACEAE

<i>Melia azedarach</i>	chinaberry
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MORACEAE

<i>Maclura pomifera</i>	Osage-orange
<i>Morus rubra</i>	red mulberry

MYRICACEAE

<i>Morella cerifera</i>	southern waxmyrtle or bayberry
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OLEACEAE

<i>Fraxinus americana</i>	white ash
<i>Fraxinus pennsylvanica</i>	green ash
<i>Ligustrum sinense</i>	Chinese privet

PINACEAE

<i>Abies fraseri</i>	Fraser fir
<i>Cedrus atlantica</i>	Atlas cedar
<i>Cedrus deodara</i>	deodar cedar
<i>Picea abies</i>	Norway spruce
<i>Picea rubens</i>	red spruce
<i>Pinus echinata</i>	shortleaf pine
<i>Pinus elliottii</i>	slash pine
<i>Pinus glabra</i>	spruce pine
<i>Pinus palustris</i>	longleaf pine
<i>Pinus rigida</i>	pitch pine
<i>Pinus strobus</i>	eastern white pine
<i>Pinus taeda</i>	loblolly pine
<i>Pinus virginiana</i>	Virginia pine
<i>Pseudotsuga menziesii</i>	Douglas-fir
<i>Tsuga canadensis</i>	eastern hemlock
<i>Tsuga caroliniana</i>	Carolina hemlock

PLATANACEAE

<i>Platanus occidentalis</i>	American sycamore
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RHAMNACEAE

Rhamnus caroliniana Carolina buckthorn

ROSACEAE

Amelanchier arborea downy serviceberry
Crataegus spp. Hawthorn
Prunus angustifolia Chickasaw plum
Prunus caroliniana Carolina laurel cherry
Prunus pensylvanica pin cherry
Prunus serotina black cherry
Prunus x yedoensis yoshino cherry
Pyrus calleryana Callery pear/Bradford pear
Sorbus americana mountain-ash
Poncirus trifoliata hardy orange

SALICACEAE

Populus deltoides eastern cottonwood
Salix babylonica weeping willow
Salix nigra black willow
Salix sericea silky willow

SIMAROUBACEAE

Ailanthus altissima tree-of-heaven

STYRACACEAE

Halesia tetraptera Carolina silverbell

SYMPLOCACEAE

<i>Symplocos tinctoria</i>	sweetleaf or horsesugar
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TILIACEAE

<i>Tilia americana</i> var. <i>americana</i>	American basswood
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<i>Tilia americana</i> var. <i>heterophylla</i>	white basswood
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ULMACEAE

<i>Celtis laevigata</i>	sugarberry
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<i>Ulmus alata</i>	winged elm
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<i>Ulmus parvifolia</i>	Chinese elm
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<i>Ulmus rubra</i>	slippery elm
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<i>Zelkova serrata</i>	Japanese zelkova
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List of Species for Wildlife Event

Southern Forestry Conclave at Clemson University 2016

BIRD SPECIES

Order: *Gaviiformes*

Family: *Gaviidae*

Gavia immer, common loon

Order: *Podicipediformes*

Family: *Podicipedidae*

Podilymbus podiceps, pied-billed grebe

Podiceps auritus, horned grebe

Order: *Pelecaniformes*

Family: *Pelecanidae*

Pelecanus erythrorhynchos, American white pelican

Family: *Phalacrocoracidae*

Phalacrocorax auritus, double-crested cormorant

Order: *Ciconiiformes*

Family: *Ardeidae*

Ardea herodias, great blue heron

Ardea alba, great egret

Bubulcus ibis, cattle egret

Butorides virescens, green heron

Egretta thula, snowy egret

Egretta caerulea, little blue heron

Nycticorax nycticorax, black-crowned night-heron

Nyctanassa violacea, yellow-crowned night-heron

Family: *Cathartidae*

Coragyps atratus, black vulture

Cathartes aura, turkey vulture

Family: *Threskiornithidae*

Eudocimus albus, white ibis

Platalea ajaja, roseate spoonbill

Order: *Anseriformes*

Family: *Anatidae*

Subfamily: *Anserinae*

Anser albifrons, greater white-fronted goose

Chen caerulescens, snow goose

Chen rossii, Ross's goose

Branta canadensis, Canada goose

Cygnus buccinator, trumpeter swan

Cygnus columbianus, tundra swan

Subfamily: *Anatinae*

Aix sponsa, wood duck

Anas acuta, northern pintail

Anas americana, American wigeon

Anas clypeata, northern shoveler

Anas crecca, green-winged teal

Anas discors, blue-winged teal

Anas fulvigula, mottled duck

Anas platyrhynchos, mallard

Anas rubripes, American black duck

Anas strepera, gadwall

Aythya americana, redhead

Aythya affinis, lesser scaup

Aythya collaris, ring-necked duck

Aythya marila, greater scaup

Aythya valisineria, canvasback
Bucephala albeola, bufflehead
Bucephala clangula, common goldeneye
Lophodytes cucullatus, hooded merganser
Oxyura jamaicensis, ruddy duck

Order: Charadriiformes

Family: Charadriidae

Charadrius vociferus, killdeer
Charadrius melodus, piping plover
Charadrius semipalmatus, semipalmated plover
Pluvialis dominica, American golden-plover

Family: Laridae

Chroicocephalus philadelphia Bonaparte's gull
Larus delawarensis, ring-billed gull

Family: Scolopacidae

Calidris alpina, dunlin
Calidris melanotos, pectoral sandpiper
Calidris pusilla, semipalmated sandpiper
Gallinago gallinago, Wilson's snipe
Scolopax minor, American woodcock
Tringa flavipes, lesser yellowlegs
Tringa melanoleuca, greater yellowlegs
Tringa solitaria, solitary sandpiper

Order: Columbiformes

Family: Columbidae

Columba livia, rock pigeon
Zenaida macroura, mourning dove
Columbina passerina, common ground-dove
Streptopelia decaocto Eurasian collared-dove

Order: Cuculiformes

Family: Cuculidae

Coccyzus americanus, yellow-billed cuckoo

Order: Falconiformes

Family: Accipitridae

Pandion haliaetus, osprey
Accipiter striatus, sharp-shinned hawk
Accipiter cooperii, Cooper's hawk
Aquila chrysaetos, golden eagle
Buteo jamaicensis, red-tailed hawk
Buteo lineatus, red-shouldered hawk
Buteo platypterus, broad-winged hawk
Circus cyaneus, northern harrier
Elanoides forficatus, swallow-tailed kite
Ictinia mississippiensis, Mississippi kite
Haliaeetus leucocephalus, bald eagle

Family: Falconidae

Falco sparverius, American kestrel

Order: Galliformes

Family: Phasianidae

Tympanuchus pallidicinctus, lesser prairie-chicken
Meleagris gallopavo, wild turkey

Family: Odontophoridae

Colinus virginianus, northern bobwhite

Order: Gruiformes

Family: Rallidae

Porzana carolina, sora
Gallinula chloropus, common moorhen

Family: Gruidae

Grus canadensis, sandhill crane
 Order: Strigiformes
 Family: Tytonidae
 Tyto alba, barn owl
 Family: Strigidae
 Megascops asio, eastern screech-owl
 Strix varia barred owl
 Bubo virginianus, great-horned owl
 Order: Caprimulgiformes
 Family: Caprimulgidae
 Chordeiles minor, common nighthawk
 Caprimulgus carolinensis, chuck-will's-widow
 Caprimulgus vociferus, whip-poor-will
 Order: Apodiformes
 Family: Apodidae
 Chaetura pelagica, chimney swift
 Family: Trochilidae
 Archilochus colubris, ruby-throated hummingbird
 Order: Coraciiformes
 Family: Alcedinidae
 Ceryle alcyon, belted kingfisher
 Order: Piciformes
 Family: Picidae
 Melanerpes erythrocephalus, red-headed woodpecker
 Melanerpes carolinus, red-bellied woodpecker
 Sphyrapicus varius, yellow-bellied sapsucker
 Picoides villosus, hairy woodpecker
 Picoides borealis, red-cockaded woodpecker
 Picoides pubescens, downy woodpecker
 Colaptes auratus, northern flicker
 Dryocopus pileatus, pileated woodpecker
 Order: Passeriformes
 Family: Tyrannidae
 Contopus virens, eastern wood-pewee
 Empidonax virescens, acadian flycatcher
 Sayornis phoebe, eastern phoebe
 Mionectes olivaceus, olive-striped flycatcher
 Myiarchus crinitus, great crested flycatcher
 Tyrannus forficatus, scissor-tailed flycatcher
 Tyrannus tyrannus, eastern kingbird
 Family: Hirundinidae
 Progne subis, purple martin
 Petrochelidon pyrrhonota, cliff swallow
 Tachycineta bicolor, tree swallow
 Hirundo rustica, barn swallow
 Family: Corvidae
 Cyanocitta cristata, blue jay
 Corvus brachyrhynchos, American crow
 Family: Paridae
 Poecile carolinensis, Carolina chickadee
 Baeolophus bicolor, tufted titmouse
 Family: Sittidae
 Sitta carolinensis, white-breasted nuthatch
 Sitta pusilla, brown-headed nuthatch
 Family: Certhiidae
 Certhia americana, brown creeper
 Family: Troglodytidae
 Thryothorus ludovicianus, Carolina wren

Family: *Turdidae*
 Catharus guttatus, hermit thrush
 Sialia sialis, eastern bluebird
 Turdus migratorius, American robin
 Hylocichla mustelina, wood thrush
 Family: *Regulidae*
 Regulus calendula, ruby-crowned kinglet
 Family: *Sylviidae*
 Polioptila caerulea, blue-gray gnatcatcher
 Family: *Mimidae*
 Dumetella carolinensis, gray catbird
 Mimus polyglottos, northern mockingbird
 Toxostoma rufum, brown thrasher
 Family: *Motacillidae*
 Anthus rubescens, American pipit
 Family: *Bombycillidae*
 Bombycilla cedrorum, cedar waxwing
 Family: *Laniidae*
 Lanius ludovicianus, loggerhead shrike
 Family: *Sturnidae*
 Sturnus vulgaris, European starling
 Family: *Vireonidae*
 Vireo griseus, white-eyed vireo
 Vireo flavifrons, yellow-throated vireo
 Vireo olivaceus, red-eyed vireo
 Family: *Parulidae*
 Vermivora chrysoptera, golden-winged warbler
 Vermivora peregrina, Tennessee warbler
 Vermivora pinus, blue-winged warbler
 Parula americana, northern parula
 Dendroica cerulea, cerulean warbler
 Dendroica coronata, yellow-rumped warbler
 Dendroica dominica, yellow-throated warbler
 Dendroica magnolia, magnolia warbler
 Dendroica pinus, pine warbler
 Mniotilta varia, black-and-white warbler
 Oporornis formosus, Kentucky warbler
 Seiurus aurocapilla, ovenbird
 Setophaga ruticilla, American redstart
 Protonotaria citrea, prothonotary warbler
 Geothlypis nelsoni, hooded yellowthroat
 Geothlypis trichas, common yellowthroat
 Icteria virens, yellow-breasted chat
 Family: *Thraupidae*
 Piranga rubra, summer tanager
 Piranga olivacea, scarlet tanager
 Family: *Cardinalidae*
 Cardinalis cardinalis, northern cardinal
 Passerina caerulea, blue grosbeak
 Passerina cyanea, indigo bunting
 Passerina ciris, painted bunting
 Spiza americana, dickcissel
 Family: *Emberizidae*
 Pipilo erythrophthalmus, eastern towhee
 Ammodramus henslowii, Henslow's sparrow
 Aimophila aestivalis, Bachman's sparrow
 Spizella passerina, chipping sparrow
 Spizella pusilla, field sparrow

Passerella iliaca, fox sparrow
Passerculus sandwichensis, savannah sparrow
Melospiza georgiana, swamp sparrow
Melospiza melodia, song sparrow
Zonotrichia albicollis, white-throated sparrow
Zonotrichia leucophrys, white-crowned sparrow
Junco hyemalis, dark-eyed junco
 Family: Icteridae
Dolichonyx oryzivorus, bobolink
Agelaius phoeniceus, red-winged blackbird
Sturnella magna, eastern meadowlark
Quiscalus quiscula, common grackle
Molothrus ater, brown-headed cowbird
Icterus spurius, orchard oriole
Icterus galbula, Baltimore oriole
 Family: Fringillidae
Carpodacus purpureus, purple finch
Carpodacus mexicanus, house finch
Spinus tristis American, goldfinch
 Family: Passeridae
Passer domesticus, house sparrow

MAMMAL SPECIES

Order: Didelphimorphia
 Family: Didelphidae
 Didelphis virginiana, Virginia opossum
 Order: Insectivora
 Family: Soricidae
 Blarina carolinensis, southern short-tailed shrew
 Cryptotis parva, least shrew
 Order: Insectivora
 Family: Talpidae
 Scalopus aquaticus, eastern mole
 Order: Chiroptera
 Family: Vespertilionidae
 Eptesicus fuscus, big brown bat
 Lasionycteris noctivagans, silver-haired bat
 Lasiurus borealis, red bat
 Lasiurus cinereus, hoary bat
 Myotis grisescens, gray myotis
 Pipistrellus subflavus, eastern pipistrelle
 Order: Xenarthra
 Family: Dasypodidae
 Dasyus novemcinctus, nine-banded armadillo
 Order: Lagomorpha
 Family: Leporidae
 Sylvilagus aquaticus, swamp rabbit
 Sylvilagus floridanus, eastern cottontail
 Lepus californicus, black-tailed jackrabbit
 Order: Rodentia
 Family: Sciuridae
 Glaucomys volans, southern flying squirrel
 Marmota monax, woodchuck
 Sciurus carolinensis, gray squirrel
 Sciurus niger, fox squirrel
 Tamias striatus, eastern chipmunk
 Family: Geomyidae

Geomys breviceps, Baird's pocket gopher
 Family: *Castoridae*
Castor canadensis, American beaver
 Family: *Muridae*
Neotoma floridana, eastern wood rat
Ochrotomys nuttalli, golden mouse
Oryzomys palustris, marsh rice rat
Peromyscus leucopus, white-footed mouse
Peromyscus maniculatus, deer mouse
Sigmodon hispidus, hispid cotton rat
Synaptomys cooperi, southern bog lemming
Microtus pinetorum, woodland vole
Ondatra zibethicus, common muskrat
Mus musculus, house mouse
Rattus norvegicus, Norway rat
Rattus rattus, black rat
 Family: *Myocastoridae*
Myocastor coypus, nutria
 Order: *Carnivora*
 Family: *Ursidae*
Ursus americanus, American black bear
Ursus arctos, brown bear
 Family: *Procyonidae*
Procyon lotor, raccoon
 Family: *Felidae*
Felis concolor, mountain lion
Felis catus, house cat
Lynx rufus, bobcat
 Family: *Canidae*
Canis latrans, coyote
Canis familiaris, domestic dog
Vulpes vulpes, red fox
Urocyon cinereoargenteus, gray fox
 Family: *Mustelidae*
Lutra canadensis, river otter
Mephitis mephitis, striped skunk
Mustela frenata, long-tailed weasel
Mustela vison, mink
Spilogale putorius, spotted skunk
 Order: *Artiodactyla*
 Family: *Cervidae*
Odocoileus virginianus, white-tailed deer
Odocoileus hemionus, mule deer
Cervus elaphus, elk
Alces alces, moose
Rangifer tarandus, caribou
 Family: *Antilocapridae*
Antilocapra americana, pronghorn
 Family: *Bovidae*
Bison bison, bison
Bos taurus, cow
Capra hircus, domestic goat
 Order: *Perissodactyla*
 Family: *Equidae*
Equus caballus, horse

WILDLIFE FOOD

Deer

rattan vine, *Berchemia scandens*
American beautyberry, *Callicarpa americana*
blackberry / dewberry, *Rubus* spp.
blueberry / huckleberry, *Vaccinium* spp.
dogwood, *Cornus* spp.
greenbrier, *Smilax* spp.
hawthorn, *Crataegus* spp.
Japanese honeysuckle, *Lonicera japonica*
oak, *Quercus* spp.
common persimmon, *Diospyros virginiana*.
plum, *Prunus* spp.
possumhaw, *Viburnum* spp.
water and black tupelo / blackgum, *Nyssa* spp.
wild grape, *Vitis* spp.
yellow-poplar, *Liriodendron tulipifera*
American strawberry-bush, *Euonymus americanus*
trumpet-creeper, *Campsis radicans*
vetch, *Vicia* spp.
milk-pea, *Galactia* spp.
clover, *Trifolium* spp.
American beech, *Fagus grandifolia*
honeylocust, *Gleditsia triacanthos*

Squirrel

American beech, *Fagus grandifolia*
pecan / hickory, *Carya* spp.
pine *Pinus* spp.
oak *Quercus* spp.
rattan vine, *Berchemia scandens*
common persimmon, *Diospyros* spp.
plum, *Prunus* spp.
black cherry, *Prunus* spp.
possumhaw, *Viburnum nudum*.
red mulberry, *Morus rubra*
water and black tupelo / blackgum, *Nyssa* spp.
wild grape, *Vitis* spp.
dogwood, *Cornus* spp.
eastern hophornbeam, *Ostrya virginiana*
ironwood, *Carpinus caroliniana*
black walnut, *Juglans nigra*
yellow-poplar, *Liriodendron tulipifera*
maple, *Acer* spp.
corn, *Zea* spp.

Quail

partridge pea, *Chamaecrista fasciculata*
common ragweed, *Ambrosia artemisiifolia*
beggar lice, *Desmodium* spp.
milk-pea, *Galactia* spp.

butterfly pea, *Centrosema* spp.
3-seeded mercury, *Acalypha gracilens*
lespedeza, *Lespedeza* spp.
crotons, *Croton* spp.
vetch, *Vicia* spp.
panicgrass, *Dichanthelium* spp.
millet, *Echinochloa* sp.
grain sorghum, *Sorghum* spp.
blackberry / dewberry, *Rubus* spp.
blueberry / huckleberry, *Vaccinium* spp.
poison-ivy, *Toxicodendron* spp.
wild grape, *Vitis* spp.
black cherry, *Prunus* spp.
plum, *Prunus* spp.
American beautyberry, *Callicarpa americana*
common persimmon, *Diospyros virginiana*
dogwood, *Cornus* spp.
black tupelo / blackgum, *Nyssa sylvatica*
pine, *Pinus* spp.
oak, *Quercus* spp.

Dove

doveweed, *Croton* spp.
evening primrose, *Oenothera* spp.
common pokeweed, *Phytolacca americana*
common ragweed, *Ambrosia artemisiifolia*
Carolina geranium, *Geranium* spp.
lespedeza, *Lespedeza* spp.
panicgrass, *Dichanthelium* spp.
crabgrass, *Digitaria* spp.
foxtail, *Setaria* spp.
pine, *Pinus* spp.

Duck

wild millet, *Echinochloa* spp.
smartweed, *Polygonum* spp.
pondweed, *Potamogeton* spp.
bullrush, *Scirpus* spp.
umbrella sedges, *Cyperus* spp.
rice cutgrass, *Leersia* spp.
wild rice, *Zizania* spp.

Turkey

oak, *Quercus* spp.
blackberry / dewberry, *Rubus* spp.
blueberry / huckleberry, *Vaccinium* spp.
hollies, *Ilex* spp.
poison-ivy, *Toxicodendron* spp.
wild grape, *Vitis* spp.
black cherry, *Prunus* spp.
clover, *Trifolium* spp.
panicgrass, *Dichanthelium* spp.
millet, *Echinochloa* sp.
beggartick, *Bidens* spp.

plum, *Prunus* spp.
common persimmon, *Diospyros virginiana*
dogwood, *Cornus* spp.
black tupelo, / blackgum *Nyssa sylvatica*
American beech, *Fagus grandifolia*
chufa, *Cyperus* spp.

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