

NATIONAL 4-H FORESTRY INVITATIONAL HANDBOOK

CONTENTS

	Page
Introduction	1
Objectives	2
General Rules and Regulations	3
Tree Identification	5
Forest Health -- Insects	9
Forest Health -- Diseases and Health Indicators	12
Tree Measurement	14
Compass and Pacing	19
Topographic Map Contest	22
Forestry Bowl	25
Forest Evaluation	31
Forestry Written Examination	40
Scoring Method for Individual and Team Competition	40
Forest Understandings and Facts	41
Glossary	44
A Summary of Federal Laws Affecting Forestry	48
References	50

This handbook was originally prepared by the National 4-H Forestry Invitational Committee for an experimental event first conducted at the State 4-H Camp, Jackson's Mill, West Virginia, July 1980.

Twenty-eight Edition, July 2008.

Original Editor, Dr. Frank Roth, Forester, Arkansas Forestry Commission

The Extension Service, United States Department of Agriculture, offers its programs to all eligible persons regardless of race, color, sex, religion, age, national origin or disability; and is an equal employment opportunity employer.

<http://www.aces.edu/N4HFI>

NATIONAL 4-H FORESTRY INVITATIONAL MANAGEMENT COMMITTEE

Dave Apsley

Ohio State University Extension
1864 Shyville Road
Piketon, OH 45661-9749
(740)289-2071 ext. 127
FAX 740-289-4591
apsley.1@osu.edu

Linda Carnell

West Virginia Forestry Division
1 Depot Street
Romney, WV 26757-1400
(304)822-4512
FAX (804)822-7331
<mailto:Linda.O.Carnell@wv.gov>

Nick Fuhrman

Extension 4-H Specialist, Camping,
Environmental/Natural Resources
Virginia Tech
119 Hutcheson Hall
Dept. of 4-H Youth Development
Blacksburg, VA 24061
(540) 231-9414
<mailto:nifuhrma@vt.edu>

Tommy & Susan Futral

Alabama Cooperative Extension 125
North Broadnax Street
Dadeville, AL 36853
(256)825-1050
FAX (256)825-1054
futrald@aces.edu

Gary Goff

Extension Associate
Department of Natural Resources
Cornell University
104 Fernow Hall
Cornell University
Ithaca, NY 14853
607-255-2824
grg3@cornell.edu

Bill Grafton, Event Supervisor

Wildlife Extension Specialist
West Virginia University
P.O. Box 6125
Morgantown, WV 26506-6125
(304)293-4797 ext. 2493
FAX (304)293-2441
wgrafton@wvu.edu

Dr. Deborah B. Hill

University of Kentucky
Department of Forestry
201 Thomas P. Cooper Building
Lexington, KY 40546-0073
(859)257-7610
FAX (859)323-1031
dbhill@uky.edu

Dr. William Hubbard

Southern Regional Extension
Forester
The University of Georgia
4-402 Forest Resources Building
Athens, GA 30602
Phone: (706)542-7813
Fax: (706)542-5070
Email: whubbard@uga.edu

David Jackson, Co-Chairman

Extension Forester
Penn State Cooperative Extension
Willowbank Building, Room 322
420 Holmes Avenue
Bellefonte, PA 16823-1488
(814)355-4897
FAX (814)355-6983
drj11@psu.edu

William Jones

USDA Forest Service
PO Box 2680
Asheville, NC 28802
(828) 259-0526
FAX
wejones@fs.fed.us

Dr. David McGill, Co-chairman

WVU Extension Service/AHC
P.O. Box 6125
Morgantown, WV 26505-6125
(304)293-2941 ext. 2474
FAX (304)293-2441
dmcgill@wvu.edu

Dr. Frank Roth

Arkansas Forestry Commission
1020 East Third Street
Hope, AR 71801
(870)777-3633
frank.roth@excite.com

Yong-Lak Park

Assistant Professor
West Virginia University
P.O. Box 6125
Morgantown, WV 26505-6125
(304) 293-6023 ext. 4303
<mailto:YoPark@mail.wvu.edu>

FOR REFERENCE:

Jackson's Mill State 4-H Conf. Center
Weston, WV 26452
1-800-287-8206
(304)269-5100
FAX (304)269-3409
Jacksons.Mill@mail.wvu.edu

Cathann Kress

USDA-CSREES
F4HN CSREES USDA
Mail Stop 2201
1400 Independence Av. SW
Washington, D.C. 20250-2201
(202)690-3009
(202)690-2469 fax
<mailto:ckress@csrees.usda.gov>

Dr. Eric Norland

National Program Leader-Forest
USDA-CSREES
1400 Independence Avenue
SW-Stop 2210
Washington, DC 20250-2210
(202)401-5971
FAX (202)401-1706
enorland@csrees.usda.gov