

THE ASSOCIATES

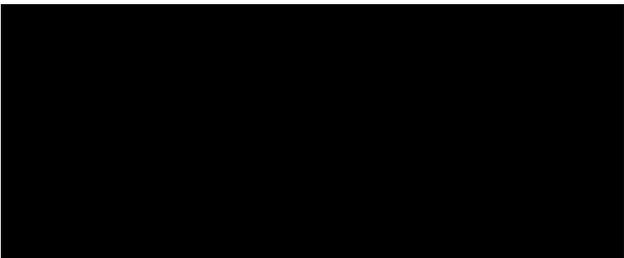
Staffed by scientists and construction experts, CCA provides canopy access and consultation with regard to site, selection of access options, and costs. Whether you are interested in an extensive system of walkways or a modest observation platform, we can design and build an access system to suit your needs.

BART BOURICIUS, founder of Canopy Construction Associates, is a lecturer/activist in tropical forest natural history and preservation when he is not engaged in construction projects or working as an arborist. He is also a research associate at Marie Selby Botanical Gardens in Sarasota, FL. He lives with his wife, Connie, and two sons in Amherst, MA. Email: bartb@canopyaccess.com

ROBBIE OATES is an extremely valuable member of the CCA team because of his combined background in climbing, rigging, caving, carpentry, and ropes course construction. He, his wife, Laurie, and their two children live in the Blue Ridge Mountains of northwestern North Carolina.

Email: roates@canopyaccess.com

JIM GRAVELY has been working and playing in trees since 1975. He specializes in the construction of unique and custom adventure challenge activities in trees including tree houses, climbing walls, challenge courses, and adventure playgrounds. He and his wife, Janice, live in the foothills of the Blue Ridge Mountains in Morganton, North Carolina.



ED OLANDER is a builder/contractor with a background in arboriculture and wood science. He brings construction trades experience and a love of

the outdoors to the associates. He makes his home in western Massachusetts with his wife and grown children.

DR. PHIL WITTMAN is a canopy ecologist with Canopy Quest and a research associate in the Dept. of Research and Conservation at Marie Selby Botanical Gardens in Sarasota, FL. He has been involved with research projects for over a decade and has worked in the canopies of Brazil, Peru, French Guiana, Ecuador, Colombia, Costa Rica and Western Samoa.



Robbie Oates, Bart Bouricius and Jim Gravelly alternate as project coordinators. Please contact Robbie Oates or Bart Bouricius for detailed information on canopy construction. Be sure to visit CCA's web site at www.canopyaccess.com or contact us by email for additional information.

CCA INSTALLATIONS

- 1990 Upper Momon River, Loreto, Peru
- 1991 Hopkins Forest, Williams College, MA, USA
- 1992 Hampshire College, MA, USA
- 1993 Coweeta Hydrological Lab, NC, USA
- 1994 Jason V Project, Blue Creek, Belize
- 1994 Mountain Equestrian Trails Lodge, Belize
- 1994 Marie Selby Botanical Gardens, FL, USA
- 1995 Millbrook School, NY, USA
- 1998 Bukit Bangkirai, East Kalimantan, Indonesia
- 1998 Tiputini Biodiversity Station, Ecuador
- 1999/2005 EcoTarium, MA, USA
- 2000 Myakka River State Park, FL, USA
- 2000/1 Amazonia Expeditions, Loreto, Peru
- 2002 Univ. of the South, Sewanee, TN, USA
- 2004 Reserva Amazonica, Madre de Dios, Peru



Canopy Access Providers

- ❖ Research
- ❖ Education
- ❖ Eco-Tourism

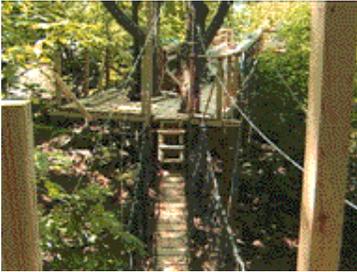
www.canopyaccess.com
Telephone & Fax
828-297-4529

CANOPY CONSTRUCTION ASSOCIATES (CCA) is composed of scientists and construction experts. Whether your interests lie in the realm of an extensive or complex canopy access system or a simple observation platform, we can provide a turnkey system from the initial consultation through the design phase to construction as well as maintenance services.

CCA's expertise in construction, arboriculture, and scientific research spans many years. This varied background defines CCA and makes it uniquely qualified to handle projects around the world.

CCA's first design and expedition in 1990 was to the upper Momon River in the rain forest of the Peruvian Amazon. There a walkway system consisting of two platforms connected by a forty-foot cable-supported bridge was constructed.

Canopy walkways have since become valuable tools for education, such as at Williams College and Hampshire College in Massachusetts, where the systems are being used for research in the temperate forest canopies. These facilities also provide opportunities for scientists, teachers, and students to



practice aerial research techniques and methodologies that can be used in both temperate and tropical environments.

CCA will work with you to provide a canopy access system to fit your budget. The systems are built of low maintenance materials, but qualified personnel must perform periodic inspections and maintenance.

THE CANOPY WALKWAY SYSTEM

DIMENSIONS: Under appropriate conditions, the bridge component of a walkway can typically be up to 100 feet (and potentially longer). The height above ground is determined by the size of the selected trees or by the height of the manmade towers that may be constructed. Observation platforms can be built to any dimension allowed by the architecture of the trees or towers.

SITE: Factors that are critically important at the potential site are the suitability of the trees (species, size, health and architecture), existing and potential environmental impacts, ease of accessibility, and diversity of habitat.



CONSTRUCTION MATERIALS: Materials and hardware used throughout our systems meet a safety design factor of 5:1, i.e., the stress on any component will not exceed one-fifth of its minimum breaking strength. CCA had independent testing performed on hardware to establish or verify minimum breaking strength in order to provide our clients with the safest and most cost effective access systems possible.

MAINTENANCE & LONGEVITY: The galvanized steel cable and hardware that CCA uses have proved long-wearing. Stainless steel cable and hardware is an option. It lasts longer, but is more expensive. Structures built in trees need regular maintenance as the trees grow. We have built structures that have lasted over 25 years with regular maintenance. CCA can provide this service as a separate contractual maintenance agreement.

SECURITY: Safety protocols and good risk management procedures require that walkways be secured against unauthorized use. CCA provides a variety of methods to control access depending upon the client's needs and situation.



Photo by Robbie Oates

SAFETY & TRAINING: During the design phase, appropriate safety features are placed in the system based on the needs of the client. At the conclusion of the construction, CCA provides safety training and instruction in the safe operation and the inspection of the systems.



Canopy Construction Associates

