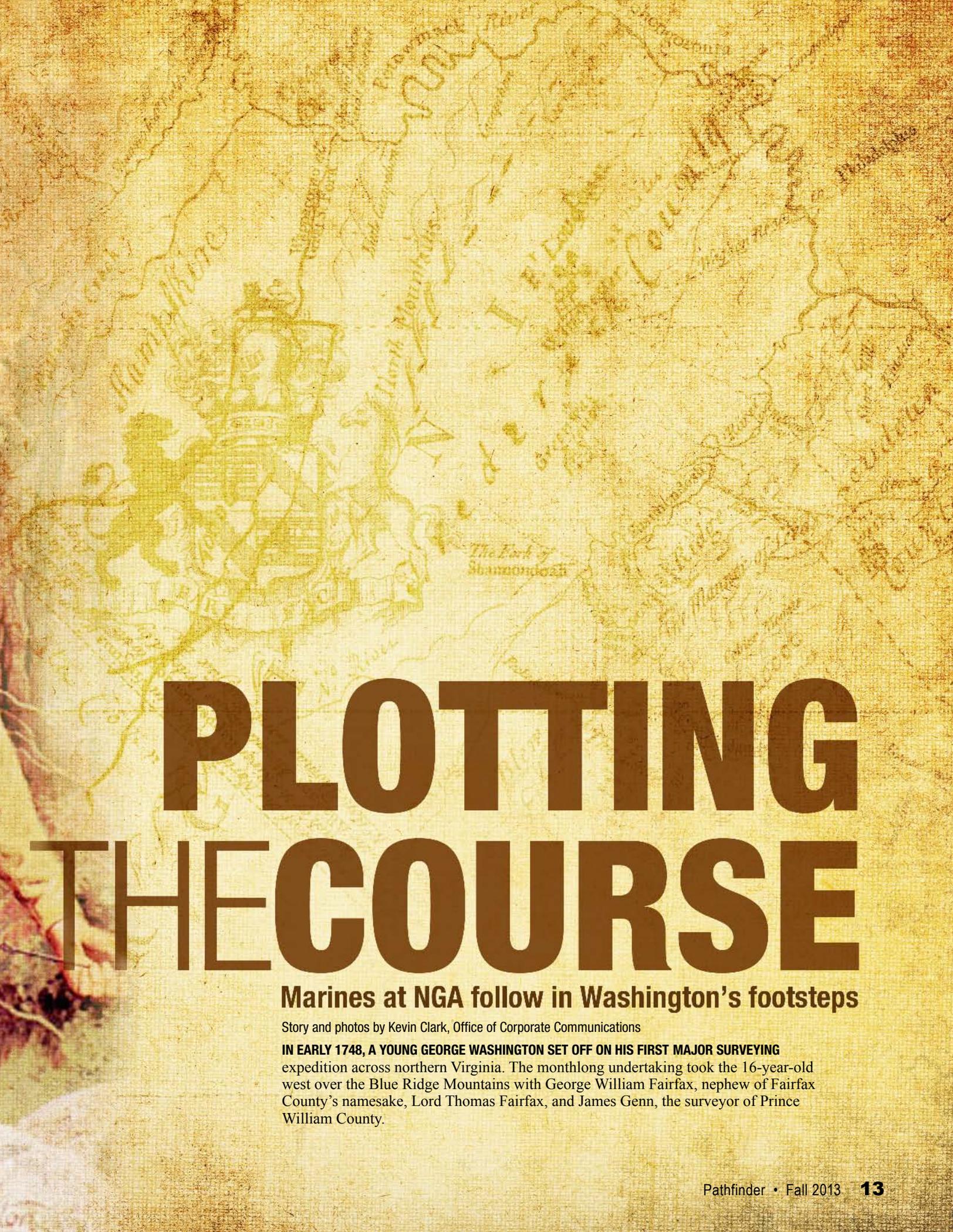




Collection of the Ewing Gallery, University of Tennessee, Knoxville
Gift of the Washington National Insurance Company, Evanston, Ill.

WWW.EWING-GALLERY.UTK.EDU





PLOT THE COURSE

Marines at NGA follow in Washington's footsteps

Story and photos by Kevin Clark, Office of Corporate Communications

IN EARLY 1748, A YOUNG GEORGE WASHINGTON SET OFF ON HIS FIRST MAJOR SURVEYING expedition across northern Virginia. The monthlong undertaking took the 16-year-old west over the Blue Ridge Mountains with George William Fairfax, nephew of Fairfax County's namesake, Lord Thomas Fairfax, and James Genn, the surveyor of Prince William County.

A scale of Miles 69 1/2 in one Degree of Latitude

conduct topographic and hydrographic survey operations, analyzing terrain and hydrography as a functional aspect of military intelligence.

The first area of course study is a three-month, survey-based phase that develops the skills necessary to perform geographical surveys in the field, said Marine Staff Sgt. Keith Winfrey, a course instructor at NGA.

At the end of the first phase, students test their new skills in a weeklong exercise that demonstrates their newly developed talents as Marine Corps surveyors, said Winfrey. The next phase of their training integrates their work into useful products for developing military intelligence.

Find out more about the course at www.marines.mil. Find out more about NGA at www.nga.mil. ✨



WWW.MARINES.MIL

U.S. Marine Pfc. Nathan A. Edwards operates a Topcon Total Station during his survey phase exercise July 26. The Total Station gives point-to-point measurements from location to location, allowing its user to later upload the data and detect any change in a point's initially presumed coordinate. One use for such data is to help pinpoint artillery targets in the field.

U.S. Marine Sgt. Austin R. Hackett collects data points using a GPS-based Field Controller 200 as part of a "real-time kinematic survey" during his survey phase exercise July 26. The points collected with the FC 200 will be recorded as specific objects during the exercise and later uploaded to mapping software such as Google Earth to show the locations of fence lines, manhole covers, trees and any other obstructions.

