



**THE  
BATTLE OF  
ISLAND MOUND  
ARCHAEOLOGICAL  
FIELD SCHOOL:**

**MISSOURI'S NEWEST  
STATE PARK**

**JUNE 7-28, 2011**

The Missouri Department of Natural Resources, the University of Missouri-Kansas City Geosciences Department and the Bates County History Museum are co-sponsoring an archaeological field school June 7 - 28, 2011 in Bates County, Missouri. The field school will be offered through the University of Missouri-Kansas City, and enrollment in the course is a requirement for all participants in the field school. **Enrollment is open to all high school graduates or current university students in good academic standing.**

The recently acquired Battle of Island Mound State Historic Site near Butler, Missouri is significant because it is the location where the first unit of African-American soldiers (1st Kansas Colored Volunteer Infantry) engaged an armed opponent during the Civil War. The property owned by the Missouri State Parks includes the purported sites of the Toothman Farm, from which the black soldiers operated and dubbed "Fort Africa," and a post-war Methodist Episcopal church. In the spring of 2009, a geophysical survey that included magnetometry and electrical resistivity revealed subsurface anomalies consistent with structural remains or foundations of the Toothman house and the church. The survey provided good information, but further archaeological testing is required to verify the presence of farmstead buildings and to enhance interpretation of the site in time for the facility's opening in 2012. This investigation will be the focus of the 2011 Field School.

Although this program focuses on Civil War-era and post-bellum archaeological sites, students will receive training in research techniques employed by archaeologists around the world. This field school is valuable to students planning advanced work in archaeology, students seeking employment in contract (CRM) archaeology or who merely want to experience field research in archaeology.

Please refer to the attached forms for detailed information about the field school and required application forms.

For more information or for questions, please contact Ann Raab at [raaba@umkc.edu](mailto:raaba@umkc.edu).

# BATTLE OF ISLAND MOUND ARCHAEOLOGICAL FIELD SCHOOL – JUNE 7-28, 2011 APPLICATION AND INFORMATION

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## **Part A. General Information**

Thank you for your interest in the Battle of Island Mound archaeological field school. Please note the application form for the field school consists of three parts. Part A provides basic information. Part B is the application form for the field school. Parts C-E include a recommendation form, waivers, and a background check application required by Missouri State Parks. You will need to complete Parts B through E, and return them to the address indicated in the instructions, if you wish to apply for admission to the school. If you are accepted, you will then be directed to enroll and pay your fees. You will not be enrolled until all paper work is completed, your deposit check is received, and you have agreed to be billed for the fees.

The 2011 field school is the third summer expedition sponsored by the University of Missouri-Kansas City Geosciences Department and the Bates County History Museum. This year we are fortunate to also be partners with the Missouri Department of Natural Resources, and Missouri State Parks. This form, Part A, contains information about the school's schedule, learning opportunities, living arrangements, admission requirements and costs.

### **Schedule:**

The 2011 school will be held between **June 7 and June 28**. Students must report to the grounds of the Bates County History Museum in Butler, MO no later than 10:00 am Tuesday, June 7. Please follow directions for parking when you get to the facility. The field school will end by 5:00 pm Tuesday, June 28. *Students are required to stay onsite for the whole 3-week term of instruction.* Unfortunately, it will not be possible to bring relatives, spouses, children, friends or pets to the field school. There may be scheduled "Vistor's Days" for the public, and friends and relatives may visit during that time.

### **Meals:**

Students are responsible for providing and cooking their own food. Lunches will be prepared by students to be taken into the field each day. Food can be purchased at nearby stores (Wal-Mart, grocery store, etc.) in Butler during designated free times.

The Museum has a kitchen with a large refrigerator and a small freezer. Also available for use are an electric range with four burners and an oven, a microwave, and a small outdoor charcoal grill. Basic kitchen equipment (pots, pans, plates, silverware, etc.) will be available at the Museum as well. Students who wish to use the charcoal grill should be prepared to provide their own charcoal, starter fluid, etc. Because the refrigerator and freezer must be shared by all students at the Museum, you may wish to bring a small personal cooler to keep near your tent for

personal drinks, snack items, etc. It is not uncommon that students will coordinate shopping and cooking together to minimize costs and to expedite food preparation. All students are responsible for cleaning up after themselves after each meal.

Additionally, a wide variety of restaurants are available within a short drive (2-5 minutes) from the museum, including several sit-down restaurants and a number of standard fast food places.

### **Living Conditions:**

Students and staff will be living in tents on the grounds of the Bates County History Museum in Butler, MO. Each student must bring a tent and other personal gear. Portable chemical toilets, of the sort found on construction sites or public events, will be provided in the excavation areas. The museum has indoor bathroom facilities available for use at the camp site. There are, however, no indoor shower facilities available. Camp showers will be on site at the Museum, with a limited supply of pressurized warm water. Field school members may wish to bring their own solar/camp shower bag for personal use in the camp shower enclosure. Coin-operated laundry facilities are available nearby in Butler. Typically, the cost is around \$2.00 per load to wash and \$0.25 for every 6 minutes for the dryers. Regular hospital facilities in Butler can handle many medical problems. Field school members are responsible for their own insurance and medical expenses.

### **Personal Gear:**

A tent should be near the top of your equipment list. Given that field school members will be living in their tents for several weeks, the suitability of this item takes on considerable importance. Due to occasionally high winds or rainstorms, tents should be sturdy. Extra line for anchoring the tent to the ground is also useful. In general, smaller dome-type tents seem to perform best. Larger cabin-type tents with exterior frames are less useful in windy conditions. Larger tents may be more comfortable, but smaller tents resist the wind better. Try to select a design in which the rain fly covers most of the tent. Tents with a small fly sometimes have problems with moisture condensing inside the tent. If you do not currently own a tent, it is *not* necessary to invest in an expensive, expedition-quality model. On the other hand, you may need to carefully compare tent models in the months before the field school to select a good combination of function and cost. You should also consider buying a large plastic utility tarp to *completely cover* your tent during the day. *Continuous exposure of nylon cloth tents to the sun for several weeks frequently will result in the tent's destruction by the end of the summer.* An adequate sleeping pad, camp mattress or other bedding is also important.

Shampoo, laundry and bath soap, toothpaste and other personal items may be purchased at nearby stores if needed. You should be prepared to supply your own special personal items, medications, radios, towels, etc.

**Students may not bring firearms, bows and arrows or other weapons to the field school.**

Bates County in June can be warm and humid, although it can be quite variable. A primary concern is limiting exposure to sun. The best approach is clothing suitable to both warm and cool

conditions, layering your clothing as needed for prevailing conditions. Ticks and other biting insects are a problem in this part of the country during the summer. ***Make sure to bring sufficient insect repellent, strong enough for fighting off ticks.*** At least one pair of long pants should be part of your gear.

Generally, light footgear is acceptable but sandals and open-toed shoes invite problems from rocks and other hazards. You would be well served to have one pair of light-weight hiking-style boots and one sturdy pair of boots that will withstand barbed wire, rusty nails and sharp rocks. **It is highly recommended that all students be current on their tetanus vaccinations before coming into the field.**

A flashlight is essential, since our camp does not have electricity for individual tents, etc. A pack and canteen are highly useful. A camera is a good idea. Again, too much summer sun is a danger since we will be working out-of-doors for long periods. A hat and ample supply of sun screen lotion are important items to bring along.

Please try to organize your gear so that you bring only what you really need. Students routinely bring too much clothing and other gear. Bring clothing that you plan to get **really dirty** during excavation and a smaller number of outfits to change into after the evening shower.

**A special note about illegal drugs or underage drinking:** The field school has a *zero tolerance* policy regarding illegal drugs and underage drinking. Persons bringing banned substances will be expelled immediately from the field school, and may also face criminal prosecution by civilian authorities. **Disruptive or violent behavior is also grounds for immediate removal from the field school.** If you are expelled for disruptive or illegal activity, your fees will not be refunded and you will fail the course. This warning should be taken seriously.

### **Your Excavation Kit:**

Each student is required to supply some items of personal gear for use in excavation. Many field archaeologists take great pride in developing their own, personalized dig kit. Some essential items in such kits are not overly expensive and include the following: A pointed trowel with 5 to 6 inch blade; the Marshalltown brand is the traditional favorite among archaeologists. A small line level is needed. This is a small level, about 2 to 3 three inches in length, containing a glass vial with leveling bubble. A retracting-blade tape measure, marked in metric graduations, of about 3 meters (10 feet) length. Look for one with English and metric graduations, as these are the most commonly available. A three-ring binder, clip board and assorted pencils (#2 hardness). A couple of soft paint brushes (from about 1 inch to 3 inches in width), and one "whisk" broom, about 6 to 10 inches in length. A small tool or fishing tackle box or pack to carry all of the above is valuable. **A detailed list of recommended equipment is attached.**

### **Working Hours:**

Field and lab work will run from about 7:30 a.m. to 4:00 p.m., Monday through Saturday. We will have Sunday mornings off, and then work in the lab or participate in lectures or other scheduled activities in the afternoon. While working, half-hour lunches will be taken in the field

from approximately 11:30 to 12:00. Students will be assigned to excavation teams of two or three persons. Students will be expected to do excavation work in the field, and also spend time in the lab as needed, where they will work on excavated materials.

### **Transportation:**

Transportation to and from the excavation site will be done in personal vehicles. The excavation site is approximately 10-15 minutes each way from the camp site. It will likely be possible to arrange carpooling and/or rotation of vehicles so that not everyone has to drive every day. That will be arranged during the course of the field school.

### **Guests of the County and Missouri State Parks:**

During our stay at the field school, we will be guests of not only the Bates County History Museum, but of the Missouri State Parks Department, who has given us permission to excavate on their newest state park. We are expected to behave in a way that is not disruptive to the business of the museum, or that reflects poorly on any of the field school sponsor organizations. Respect for the State Park property, and the property of the Museum is required at all times. In addition, members of the field school are responsible to each other. A field school environment places people into a communal setting where everyone must be prepared to make compromises as regards preferred living arrangements. Everyone is expected to work constructively with others. Failure to do so may be grounds for prompt removal from the school.

### **Recreation:**

While much of our time during the week will be spent working, there will also be many fun events scheduled during off hours. Some evenings will be designated as movie nights, while Sundays will bring guest speakers and other activities. Past events have included BBQs, flint-knapping demonstrations and live music. A complete schedule of 2011 events will be available shortly. The cost of these events is included in the field school fees.

Additionally, there will be free time available to all field school members to go into town and spend time as they wish. There are a variety of facilities available in the Butler area. These times will be scheduled, and curfew for the camp will be strictly enforced. Field school members who are under the age of 21 are not allowed to be under the influence of alcohol at any time. Doing so will be cause for immediate removal from the field school.

### **Field School Fees and Academic Credit:**

Along with your application, you are required to include a check in the amount of **\$50**, made out to **UMKC Cashier's Office**. This will serve as a deposit, and will be applied toward your non-credit fees if you are accepted into the field school (see below). If you are accepted for the field school, and are **not** a regular UMKC student, you will be automatically enrolled in the appropriate course (ANTH 383 or GEOL 409 for undergraduate credit, GEOL 5509 for graduate credit), and your check will be deposited. Current UMKC students will be sent an email upon acceptance into the field school, advising them to register in the course via the EasyAccess system. The University will bill you separately for the balance of your non-credit fees and your tuition costs (credit fees). ***If you are not accepted into the field school, your \$50 deposit check will be returned to you and you will not be charged any non-credit or credit fees.***

Enrollment will be limited to a maximum of 20 students.

Students seeking transfer of academic credit should inquire about transferring units from the University of Missouri-Kansas City to their home institutions. All students are required to keep a journal of their field school experience. **This journal is to be turned in the teaching staff at the end of the field school. Please make sure you bring a notebook for this purpose.** Grades are based on participation in field and lab work, and on the content of the notebook(s). Graduate students will work individually with the field school instructor to determine an additional assignment for graduate credit. This assignment can include additional responsibilities during the field school, a research project, a paper, or other similar project. The credit offerings include the following:

ANTH 383 – Undergraduate Archaeological Field School (3 hrs)  
GEOL 409 – Undergraduate Archaeological Field School (3 hrs)  
GEOL 5509 – Graduate Archaeological Field School (3 hrs)

The fees are as follows:

*(\*Tuition rates are estimates based on Summer 2010 fees and will change for Summer 2011. Summer tuition rates should be available from the Registrar by April, 2011. )*

<b>Undergraduates:</b>	Credit Fees - Tuition (3 hrs)	\$848.97
	Non-Credit Field School Fee	<u>\$350.00</u>
	<b>Total Fees</b>	<b>\$1198.97</b>
<b>Graduates:</b>	Credit Fees - Tuition (3 hrs)	\$1032.57
	Non-Credit Field School Fee	<u>\$350.00</u>
	<b>Total Fees</b>	<b>\$1382.57</b>

**Credit Fees** include all academic fees for 3 hours of either Undergraduate or Graduate credit through the University of Missouri-Kansas City.

The **Non-Credit Field School Fee** includes field school supplies (except those personal camping and excavation items listed previously), cost of camping and use of Museum facilities, and cost of all regularly scheduled events during the course of the field school. Students are responsible for their own meals, as well as any expenses arising from their travel to and from Bates County and the excavation sites, personal gear and any other costs not listed here.

### **Cancellation of Enrollment:**

**If you cancel your enrollment after being accepted into the field school**, the University rules regarding refund of your **credit fees** will apply. Please make sure you check these rules carefully so that you are aware of the appropriate deadlines. Please refer to the UMKC Registrar website (<http://www.umkc.edu/registrar/>) for the Enrollment Guidelines and Calendar. If you cancel your enrollment past the deadline, you will still be required to pay the appropriate tuition fees. The University reserves the right to retain all fees if you should be required to leave the field school as a result of disciplinary action.

With regard to your **non-credit fees** (\$350), if, after being accepted into the field school, you cancel your enrollment prior to May 15<sup>th</sup>, 2011, you are eligible for a refund of \$300. Your initial deposit of \$50 will be retained as a processing fee. If you cancel your enrollment May 15<sup>th</sup>, 2011 or later, **your non-credit fees are nonrefundable and payable to the University**. As stated previously, you will need to check the University rules and regulations to determine how much, if any, of your credit fees are refundable.

### **Release Forms and Personal Safety:**

Both the Museum and the University require field school participants to sign liability release forms before going to the field school. Both the Museum and the University will take every step to insure a safe and productive experience during the field school. On the other hand, field school participants will spend considerable time out-of-doors and working in conditions that require attention to safety. The liability releases are an indication that each participant understands and accepts this responsibility.

The field school does not require one to be in extraordinary physical condition. It should be recognized, however, that fieldwork imposes greater physical demands than the sedentary lifestyle experienced by many of us. If you are out of shape, a program of physical conditioning in the months before the field school is a very good idea. Generally, people who are in good physical condition are less at risk for accidents or injuries and have the stamina to better enjoy fieldwork. Living in a field situation and working vigorously out-of-doors also requires a willingness to endure fatigue, heat, cold and variety of circumstances that come with archaeological field work. Students should be prepared to cope with these sorts of conditions.

### **The 2011 Research Program:**

Work this summer will take place at the site of Missouri's newest State Park, the Battle of Island Mound State Park. This site is significant because it is the location where the first unit of African-American soldiers (1st Kansas Colored Volunteer Infantry) engaged an armed opponent during the Civil War. The property owned by the Missouri State Parks includes the purported sites of the Toothman Farm, from which the black soldiers operated and dubbed "Fort Africa," and a post-war Methodist Episcopal church. In the spring of 2009, a geophysical survey that included magnetometry and electrical resistivity revealed subsurface anomalies consistent with structural remains or foundations of the Toothman house and the church. The survey provided good information, but further archaeological testing is required to verify the presence of farmstead buildings and to enhance interpretation of the site in time for the facility's opening in 2012. This investigation will be the focus of the 2011 Field School.

The field school will also run a laboratory facility. Lab work, which will involve extensive use of computers and computer-assisted techniques, will offer an opportunity to work with an abundance of historic artifacts and possibly some faunal remains, particularly domestic farm species. Students will receive "hands-on" instruction in all of these areas. The area's archaeological resources are truly exceptional, and afford an excellent introduction to archaeological research methods.

### **Staff:**

The field school staff is headed by Ann M. Raab, principal investigator of the school research program. Ann M. Raab is a PhD candidate at the University of Kansas in the Department of Anthropology. Her area of expertise is historic sites archaeology. Assisting her will be Dr. Mark Raab. He is Professor Emeritus of Anthropology, California State University, Northridge as well as Adjunct Professor in the Geosciences Department at University of Missouri – Kansas City and Johnson County Community College. An additional Field Crew Chief and Lab Supervisor will also be on hand to lend expertise and guidance to the students.

If you are enrolled, you will be sent more information about schedules, transportation and other information. Enrollments in the field school will be limited to a maximum of about 20 students. If you are interested in the school please act promptly, as enrollments tend to be filled quickly.

### **Submitting Your Forms:**

The priority application deadline is March 4<sup>th</sup>. Applications will still be accepted until June 1<sup>st</sup>, 2011 and acceptance will be on a space available basis. If you would like to apply for admission to the school, please return the following forms:

- \_\_\_ Application for Enrollment (Part B)
- \_\_\_ Recommendation Form\*\* (Part C)
- \_\_\_ Health Form (Part D)
- \_\_\_ Waiver (Part E)
- \_\_\_ Missouri Department of Natural Resources Background Check (Part F)
- \_\_\_ Deposit check for \$50.00, made out to **UMKC Cashier's Office**

### **Send All Information To:**

Ann Raab  
University of Missouri-Kansas City  
Department of Geosciences  
5110 Rockhill Road  
420 Flarsheim Hall  
Kansas City, MO 64110

**\*\*Your Recommendation Form** can be submitted together with your application materials, or can be sent via fax to (816) 817-0481. Alternatively, recommendation letters can be emailed directly to Ann Raab at [raaba@umkc.edu](mailto:raaba@umkc.edu). Please keep in mind that applications will not be considered complete and eligible for acceptance until all parts of the application, including the recommendation letter, are received.



**PART B: Application for Enrollment in the Summer 2011 Archaeological Field School in Bates County, Missouri (Battle of Island Mound)**

Submission of this application is not a guarantee of acceptance by the Field School. We regret that we cannot accommodate everyone who applies to the School. Qualified students are accepted in the order that we receive a complete application, *including fees*. In general, we are seeking to train students who intend to pursue advanced academic training and careers in archaeology. We evaluate student qualifications on the basis of three criteria: (1) The applicant must possess a valid high school diploma, or GED, and/or demonstrate good academic standing as an undergraduate or post-graduate student in an accredited university. (2) Preference is given to students who have identified archaeology as a probable career. (3) Each applicant must submit one letter of recommendation from a faculty member or other person familiar with the academic work and experience of the applicant. (4) Each applicant must pass a background check by the Missouri Department of Natural Resources.

**Send the completed forms to:**

Ann Raab  
University of Missouri, Kansas City  
Department of Geosciences  
5110 Rockhill Road  
420 Flarsheim Hall  
Kansas City, MO 64110

**Questions? Email Ann Raab at [raaba@umkc.edu](mailto:raaba@umkc.edu)**

**Priority Deadline, March 4<sup>th</sup>, 2011. Final application deadline is June 1<sup>st</sup>, 2011.**

PLEASE PRINT CLEARLY:

1a. Are you a current UMKC Student?      \_\_\_\_\_ Yes                      \_\_\_\_\_ No

1b. If yes, most recent year of attendance: \_\_\_\_\_

1c. If yes, please provide your UMKC Student Number: \_\_\_\_\_

2. Name: \_\_\_\_\_  
(First)                                      (M.I.)                                      (Last)                                      (Prior Names)

3. Address: \_\_\_\_\_  
(Street Name and Number)

\_\_\_\_\_  
(City)                                      (State)                                      (Zip)                                      (Country)

4. Social Security Number: \_\_\_\_\_

5. Telephone: \_\_\_\_\_  
(Daytime) (Evening/Alternate)

6. Date of Birth: \_\_\_\_\_  
(MM/DD/YYYY)

7. Email Address: \_\_\_\_\_

8. Gender: \_\_\_\_\_

9. Academic Level: \_\_\_\_\_ Undergraduate \_\_\_\_\_ Graduate

10a. Do you have a High School Diploma? \_\_\_\_\_ GED? \_\_\_\_\_ Date Earned: \_\_\_\_\_

10b. Highest Degree Earned: \_\_\_\_\_ Year Earned: \_\_\_\_\_

10c. If Undergraduate, Number of Hours Earned: \_\_\_\_\_

11. School Last Attended: \_\_\_\_\_  
(Name of School) (City, State)

12a. US Citizen? \_\_\_\_\_ Yes \_\_\_\_\_ No

12b. If No, Visa Type: \_\_\_\_\_

12c. If No, Country of Citizenship: \_\_\_\_\_

13. Current GPA: \_\_\_\_\_

14. Previous courses, field or lab work in archaeology:

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15. Special skills. Do you have skills that may be useful during the school, for example mapping or surveying; drawing or illustrating; ability to use computers; still or video photography; or others?

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16. Please have one reference sent on your behalf. You might want professors or persons who know your abilities and interests to send recommendations (use attached form).

Provide the name of your reference here: \_\_\_\_\_

17. Please describe any medical or physical condition that might affect your health or safety during the field school. Any information provided about your health or physical status will be kept confidential, except for project personnel who have a need to know. We would like to know about any medications, medical conditions or physical limitations that should be taken into account in the event that you need medical attention during the field school. All students will also be required to fill in the Health Form (Form E) and submit it with your application.

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18. Please provide a brief statement on this page (or attach a separate page) describing why you believe that you would benefit from attending the field school:

19. Please mark the following items in which you wish to enroll:

ANTH 383 Undergraduate Archaeological Field School (3 hrs): \_\_\_\_\_

GEOL 409 Undergraduate Archaeological Field School (3 hrs): \_\_\_\_\_

GEOL 5509 Graduate Archaeological Field School (3 hrs): \_\_\_\_\_

20. If you are enrolled in the field school, you acknowledge:

- a. That you have read the attached information sheet about the school, and that you understand and accept all of the conditions set forth in the information form, Part A.
- b. That, if you are accepted into the field school, UMKC has permission to bill you for the balance of your non-credit fees, as well as your credit fees.

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

If the applicant is less than 18 years of age, please have a parent or guardian sign below.

\_\_\_\_\_

Relationship to applicant: \_\_\_\_\_

## **PART C. Bates County Archaeological Field School Recommendation Form**

\_\_\_\_\_ has been asked to send this reference in support of his/her application for the summer 2011 archaeological field school in Bates County, Missouri. This school offers a rigorous, three-week training program in archaeological excavation, site survey and lab work. In your estimation, how would this student benefit from the school?

Person giving reference: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Please fill in and mail, fax or email to:

Ann Raab

University of Missouri, Kansas City

Department of Geosciences

5110 Rockhill Road

420 Flarsheim Hall

Kansas City, MO 64110

Fax (816) 817-0481

Email [raaba@umkc.edu](mailto:raaba@umkc.edu)

## D. UMKC GEOLOGY FIELD TRIPS PERSONAL HEALTH AND MEDICAL HISTORY

To be filled out by participant. Please print in ink.

Participant Name \_\_\_\_\_ Date of Birth \_\_\_\_\_ Age \_\_\_\_\_ Sex \_\_\_\_\_

Home Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

In the event of an emergency please notify:

Name \_\_\_\_\_ Relationship \_\_\_\_\_ Phone # \_\_\_\_\_

Name \_\_\_\_\_ Relationship \_\_\_\_\_ Phone # \_\_\_\_\_

Personal Health/Accident Insurance Carrier \_\_\_\_\_ Policy # \_\_\_\_\_

Check all items that apply, past or present, to your health history. Explain any "yes" answers.

**ALLERGIES:** Food, medicine, insects, plants, etc. Yes  No  Explain \_\_\_\_\_

General Information	YES	NO		YES	NO		YES	NO
Asthma	<input type="checkbox"/>	<input type="checkbox"/>	Diabetes	<input type="checkbox"/>	<input type="checkbox"/>	High Blood Pressure	<input type="checkbox"/>	<input type="checkbox"/>
Cancer/leukemia	<input type="checkbox"/>	<input type="checkbox"/>	Heart trouble	<input type="checkbox"/>	<input type="checkbox"/>	Kidney disease	<input type="checkbox"/>	<input type="checkbox"/>
Convulsion/seizures	<input type="checkbox"/>	<input type="checkbox"/>	Hemophilia	<input type="checkbox"/>	<input type="checkbox"/>			

Explain: \_\_\_\_\_

List any medication to be taken during field trip: \_\_\_\_\_

List any physical or behavioral conditions that may affect or limit full participation in the field trip: \_\_\_\_\_

List equipment needed such as wheelchair, braces, glasses, contact lenses, etc. \_\_\_\_\_

**Immunization:** (give date of last inoculation)

Tetanus toxoid \_\_\_\_\_ Measles \_\_\_\_\_ Polio \_\_\_\_\_ Diphtheria \_\_\_\_\_ Mumps \_\_\_\_\_

Pertussis \_\_\_\_\_ Rubella \_\_\_\_\_

**In the event I am unable to grant permission for medical treatment, I hereby give permission to the physician selected by the UMKC faculty instructor leading the field trip to secure proper treatment, including hospitalization, anesthesia, surgery or injections of medications for me.**

Signature of Participant \_\_\_\_\_ Date \_\_\_\_\_

I decline to reveal my medical history or grant permission for medical treatment.

Signature of Participant \_\_\_\_\_ Date \_\_\_\_\_

**E. UNIVERSITY OF MISSOURI – KANSAS CITY  
DEPARTMENT OF GEOSCIENCES**

**Geology 409/5509 – Field School in Archaeology  
Battle of Island Mound State Park - Bates County, Missouri  
June 7 through June 28, 2011**

**HOLD HARMLESS AGREEMENT**

- 1. I agree that my participation in field activities with the Department of Geosciences is entirely voluntary and that the Curators of the University of Missouri are acting only as a facilitator of this research. I know that field studies in the outdoors are a potentially hazardous activity, and I know I should not enter this activity unless I am medically able to participate and by signature below attest that I am medically fit to participate.**
- 2. I agree on behalf of myself, my assigns, executors, and heirs, to release and hold harmless the Curators of the University of Missouri and their trustees, officers, employees, and agents from any and all liability, damage, or claim of any nature whatsoever arising out of my participation.**
- 3. I understand that the University does not provide any Medical Insurance.**
- 4. I have read and understand the terms of this Release and agree to all terms and conditions.**
- 5. I am also cognizant of the dangers inherent in long distance travel over highways and secondary roads. I recognize the dangers associated with hiking and camping in rustic and unimproved areas. I also understand that we will participate in an archaeological dig which involves various tools that can inflict bodily injury or death.**
- 6. I am of lawful age and legally competent to sign this waiver and release, and I have signed this document as my own free act.**
- 7. I hereby consent to any publicity, including the use of my name and likeness, in connection with my participation in this field.**

**Participant's Full Name** \_\_\_\_\_

**Participant's Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Witness** \_\_\_\_\_

## **PART F. Missouri Department of Natural Resources Background Check/Volunteer Form**

As a student in the field school you will technically be considered a “volunteer” by the Missouri State Parks. As such, the State of Missouri / Department of Natural Resources / Missouri State Parks Division requires all participants in the field school to fill in and submit their two-page Application for Volunteers in Parks (V.I.P.) Program. You will find this form on the next two pages. This is required for all field school participants.

**PLEASE NOTE:** Please fill out the form using the following guidelines:

### **Page 1:**

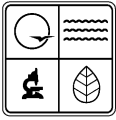
- **T-Shirt Size:** You do not need to include a size, as this does not apply
- **Position for Which You Are Applying:** Please check **Park/Site Aide**
- Under the **Park/Historic Site and Dates to Volunteer**, applicants only need to fill in the First Choice with Battle of Island Mound State Historic Site, June, 2011
- In the **Short Narrative** section at the bottom of page 1, please enter: *Student volunteer for 2011 University of Missouri-Kansas City Archaeological Field School*

### **Page 2:**

- Please be sure to **sign and date the application** at the bottom of the page. This will authorize DNR to run a background check.

Once your background check has cleared, the Department of Natural Resources will contact you directly to fill in any other paperwork that they require.





STATE OF MISSOURI  
 MISSOURI DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF STATE PARKS  
**APPLICATION FOR VOLUNTEERS IN PARKS (V.I.P.) PROGRAM**

**ONE APPLICATION PER PERSON. CAMPGROUND HOST COUPLES EACH NEED THEIR OWN FORM.**

LAST NAME		FIRST NAME		MIDDLE NAME/INITIAL	
FORMER NAMES AND/OR ALIASES USED		EMAIL ADDRESS		RACE	
SOCIAL SECURITY NUMBER		DATE OF BIRTH	GENDER	T-SHIRT SIZE	
STREET ADDRESS			CITY	STATE	ZIP CODE
ALL STATES OF RESIDENCE IN LAST TEN YEARS		PRIMARY PHONE NUMBER		SECONDARY PHONE NUMBER	

POSITION FOR WHICH YOU ARE APPLYING

Campground Host    
  Interpreter    
  Park/Site Aide    
  Trail Worker    
  Katy Trail Volunteer

CAMPGROUND HOSTS – LIST OTHERS HOSTING WITH YOU

**PARK OR HISTORIC SITE AND DATE YOU PREFER TO VOLUNTEER**

First Choice	PARK/HISTORIC SITE	MONTH(S)	YEAR
Second Choice	PARK/HISTORIC SITE	MONTH(S)	YEAR
Third Choice	PARK/HISTORIC SITE	MONTH(S)	YEAR

**REFERENCES - LIST THE NAME AND ADDRESS OF TWO PERSONS, NOT RELATIVES, WHO HAVE KNOWN YOU FOR AT LEAST TWO YEARS.**

NAME			TELEPHONE NUMBER		
STREET ADDRESS		CITY	STATE	ZIP CODE	
NAME			TELEPHONE NUMBER		
STREET ADDRESS		CITY	STATE	ZIP CODE	

Please provide a short narrative about yourself. Please describe previous work history and describe any previous volunteer work, your expectations of the volunteer program and anything else you consider relevant.

<input type="checkbox"/> YES <input type="checkbox"/> NO	Have you previously been a volunteer at any Missouri state park or historic site?	
	WHERE?	WHEN?
<input type="checkbox"/> YES <input type="checkbox"/> NO	Do you have any impairments that should be considered in scheduling or assigning you to work?	
	IF YES, PLEASE EXPLAIN: (CHARGE, DATE, JURISDICTION AND STATE)	
<input type="checkbox"/> YES <input type="checkbox"/> NO	Have you ever been convicted, pled guilty or nolo contendere, and/or received a suspended imposition of sentence/suspended execution of sentence in any federal, state, or municipal court for a criminal offense? (Please include any alcohol or drug-related driving offenses or any other offense you have been convicted of)	
	IF YES, PLEASE EXPLAIN: (CHARGE, DATE, JURISDICTION AND STATE)	
<input type="checkbox"/> YES <input type="checkbox"/> NO	Have you ever received probation or community supervision for any federal, state, or municipal offense?	
	IF YES, PLEASE EXPLAIN: (CHARGE, DATE, JURISDICTION AND STATE)	
<input type="checkbox"/> YES <input type="checkbox"/> NO	Have you ever been convicted of any criminal offense in a country outside the jurisdiction of the United States?	
	IF YES, PLEASE EXPLAIN: (CHARGE, DATE, JURISDICTION AND STATE)	
<input type="checkbox"/> YES <input type="checkbox"/> NO	As of this date, do you have any pending criminal charges against you?	
	IF YES, PLEASE EXPLAIN: (CHARGE, DATE, JURISDICTION AND STATE)	
<p>I hereby swear or affirm that I am the applicant for record review listed above and that the information provided in this application is true and accurate to the best of my knowledge. I give my permission for the Missouri Department of Natural Resources (DNR) to obtain any and all background information authorized by law, including but not limited to criminal records, and to process this record review using my social security number. I further authorize DNR to investigate, collect, maintain and use for work-related reasons any information disclosed through this release.</p> <p>By my signature, I affirm and recognize that in the event I have furnished false information or have failed to furnish required information for a criminal record review on this application, I will be removed from consideration as a volunteer.</p> <p>A conviction of a violation of the law does not constitute an automatic bar to volunteering. Each case is considered on an individual basis. Falsification of the application will, however, result in disqualification or dismissal from volunteering.</p>		
SIGNATURE		DATE

Mail completed form to:  
 Missouri Department of Natural Resources  
 Division of State Parks – VIP Program  
 P.O. Box 176  
 Jefferson City, MO 65102

# Archaeology Dig Kit

What tools do I need to dig? Successful excavations require proper tools, so archaeologists give considerable attention to their dig kits. Some of these are quite elaborate, but in reality a few simple, well chosen tools will get you started. It's best to start with a few essential items, and then add tools as you gain experience. We offer some tips about starting your own dig kit, starting with the basic tools needed by all excavators and then adding additional items you may wish to acquire.

## Basic Excavation Kit

All excavators should have a few basic tools of their own. Experience shows that certain kinds of tools work better than others and hold up better under the stresses of field work. Here is a list of items you will need:

### Pointing and Margin Trowels

The basic excavating tools used by archaeologists around the world are trowels. These have been used for centuries by masons and brick workers. There are many brands of trowels available, but the "gold standard" among archaeologists is the Marshalltown brand. Many professional archaeologists use only Marshalltown trowels because these have an ideal balance of durability (single-piece forged steel), flexibility and ease of sharpening. You need two types: Pointed (pointing trowel) and square-ended (margin trowel). This is what they look like:

#### Pointing trowel (Marshalltown Model 45-5):



### **Margin Trowel (Marshalltown Model 54):**



You don't absolutely need this brand, but they are highly recommended. You can look for Marshalltown trowels at building supply stores, but not all stores carry them. If you want the genuine item, it may turn out to be easier and less expensive to order them online, for instance at: <http://concretedepot.net/catalog/Marshalltown-Tools/c554/index.html?gclid=CJSozurDopgCFRMUagod1ya2mQ> You can expect to pay about \$10-12 for Marshalltown trowels.

### **Line Level**

You will need a small line level (sometimes called a spirit level), again a tool also used by stone masons and builders. This tool is used to measure the depth of excavation pits. Again, there are many brands of line levels. Most of these are plastic. The best type, however, are made by Stanley and are of aluminum (see picture below). These are much better than the plastic type because the little "ears" at the end of the Stanley level can be pinched closed to keep it from falling off the string to which it is attached. The plastic types have an endlessly annoying tendency to fall off the string during excavation. If you find Stanley levels, it's not a bad idea to buy more than one for future use. The Stanley levels sell for around \$4-6.



## Metric Measuring Tape

This is another essential tool. Most archaeologists use a steel, retracting-type tape measure, like the one shown below. You will need a tape that is inscribed in **metric** units, of about 5m/16 feet. Anything between about 3 meters and 7 meters will do. Most of the tapes that you will find in hardware or builder's supply stores are in English units (feet, inches), but some tapes have both English and Metric units. You need a tape that can measure in Metric units because all records in archaeology are kept in the metric system. Stanley, Lufkin and other manufacturers make tapes with both English and Metric. Get one of these.



## Brush

You will want to have at least one brush in your kit. Paint brushes are fine, with a width of about 3-5 inches.



## **String**

String line is used to lay out excavation pits and with the line level. It's a good idea to have some in your kit. The best type is nylon mason's line (see below). You can pick this up any hardware or builder's supply for around \$3-4.



## **Knife**

A small pocket knife or lock-back knife is very useful in the field. You don't need anything fancy, just something to cut string, etc.

## **Nails**

You will need a small box of nails, at least 3-1/2" long, to layout excavation pits and to anchor a line level.



## **Tool Bag or Box**

It's a good idea to keep your dig kit in a bag or box for easy transport in and out of the field, and so you can find things when you need them. Personal preferences vary. Some archaeologists like duffel or tool bags, others like back packs or tool boxes. Start out with something simple and inexpensive. If you continue to work in archaeology, the size of your dig kit will tend to expand and you can trade up for a larger bag or box.

## **Optional Tools and Equipment**

If you want to spend a bit more money for equipment that will be useful, you might consider the following:

### **Mason's (Brick) Hammer**

A mason's hammer (sometimes called a brick hammer) is a very useful tool in the field (see below). This is somewhat like a geologist's pick but it has a wide, flat bit instead of a pointed end. The wide cutting bit can very useful for digging through clay or compacted soil and the hammer has endless uses, like driving stakes and so forth. You can expect to pay about \$20-30 for a good hammer.



### **Pruning Shears**

The roots of trees and other plants are encountered during excavation and these need to be cut. Pruning shears make this task much easier. These run around \$10.



### **Whisk Broom**

A small, hand-held broom is great for exposing artifacts and moving excavated material into buckets, etc. You should be able to pick of one of these for a few dollars.



## **Water-Proof Box**

A camera is a great idea for recording your experiences, but if you bring a camera or other sensitive gear into the field, you should plan to protect these from dirt and weather. Daily use in the field will take a real toll on sensitive equipment, if not protected. The best way to do this is to keep them in a container which can seal out dust and water. One of the simplest solutions is a military surplus .50 cal ammo can. These have a rubber seal around the lid. You can find these local military surplus stores for around \$10. If you can spend more, a military surplus night vision goggle case is excellent. These are the equivalent of civilian cases (e.g., Pelican) that cost much more. You can find these on eBay for around \$25-35.



Surplus Night Vision Goggles Case

## **Multi-Tool**

A Leatherman tool or functional equivalent is handy thing to have in the field for the myriad of task that may require a small tool kit. Prices vary, but expect to pay around \$30 to \$60.



## **First Aid Kit**

Safety is always a consideration in the field. Having a first-aid kit handy is not a bad idea. A kit suitable for day hikes or other types of outdoor activities is useful. Depending on how elaborate the kit, you can expect to pay between \$10 and \$30.