

# Table of Contents

<b>Overview</b> .....	<b>3</b>
Contact Information .....	3
<b>The ORSS Educational Program</b> .....	<b>4</b>
Individual Research Project .....	4
Interdisciplinary Seminar .....	5
Upper-Level Course .....	5
<b>About ORNL</b> .....	<b>6</b>
Orientation and Training .....	6
Safety and Security .....	6
Miscellaneous Information .....	6
<b>About Oak Ridge and East Tennessee</b> .....	<b>8</b>
Living in The Rolling Hills Apartments .....	8
Oak Ridge Sites, Attractions, and Activities .....	8
Eastern Tennessee sites, attractions, and activities .....	9
<b>Other Information</b> .....	<b>11</b>
The GRE Exams .....	11
NFS Fellowship Applications .....	11
Your stipend and the tax code .....	11





# Overview

## Contact Information

### Resident Faculty Director (2009)

Dr. Craig Teague  
401 W. Vanderbilt Drive  
Oak Ridge, TN 37830  
teaguecm@ornl.gov  
319.360.4019

### Denison University Oak Ridge Science Semester Program Office

N. Daniel Gibson  
Director  
Denison University  
Granville, OH 43023  
gibson@denison.edu  
740-587-5705

Christie Kasson  
Program Assistant  
Denison University  
Granville, OH 43023  
kasson@denison.edu  
740-587-6304

# The ORSS Educational Program

For an overview of the Oak Ridge Science Semester program, please see the ORSS home page <http://www.denison.edu/collaborations/oakridge/> at Denison University. Ordinarily, students participating in the program receive twelve to sixteen hours worth of academic credit. Eight credit hours are received for the student's individual research project, four credit hours are received for participating in the interdisciplinary seminar, and four credit hours are received if an advanced science course is taken.

## Individual Research Project

**Overview:** Your independent research project is the focal point of your ORNL experience. Although the details of your research project will be unique for each of you, the overall objectives of the ORSS research component are to:

1. Provide students with an opportunity to perform intensive hands-on research in a national laboratory setting.
2. Provide students with a forum to explore their interests in graduate studies and careers in science, mathematics or computer science.

Many of you have already participated in independent research at your home institutions and/or at major universities and industry through internship programs or summer employment. Consequently you know what to expect. However, unlike colleges and universities, ORNL is focused solely on research and there are little or no educational support facilities. Please contact the Resident Faculty Director if you have specific educational needs that aren't met by the ORNL facilities.

In order to ensure success, it is important that you communicate with your research mentor. Many of you are used to working directly with the head of the lab. This might not be the case at ORNL. You may find yourself working with a postdoctoral research associate or senior research technician. This is common in big research laboratories and should in no way diminish your experience. The important thing is that you have the guidance and direction you need. If you find yourself without direction or with nothing to do, talk to your research mentor. If your mentor is not receptive and/or your situation does not change, contact the GLCA/ACM Resident Faculty Director immediately. He will serve as a liaison to facilitate communication between you and your mentor.

Be sure and ask your research mentor what her/his expectations for you are. You should clearly establish:

1. What hours are you expected to be in the lab? (Be sure to tell your mentor when you will be in class and that you have seminar on Wednesdays from 3:30 - 5:00 PM. It is a good idea to write this information down and give it to your supervisor. It is also a good idea to be willing to start earlier on Wednesdays and on class days.) You are expected to be in the lab at least forty hours a week in lab. Your research mentor will expect this as a minimum.
2. What kind of records are you expected to keep? Keep thorough and organized notes. Be advised that your laboratory notebook is government property and must stay at ORNL when you leave at the end of the semester.
3. What are your weekly goals? Overall goals? If you do not know what you are doing, or why, ask someone.
4. What criteria will be used to assess your performance and assign your research grade? You may be surprised to learn that what you thought was "A" work is "B" or "C" work to your research mentor. Do not assume that you know what "A" work is. If you think that your mentor's expectations are unrealistic, it is a good idea to talk to the Resident Director.

Your research grade for the semester will be assigned by the Resident Faculty Director and is based on the evaluation and recommendation of your ORNL research mentor, as well as the quality of your poster and research paper.

Your laboratory group has invested time, effort and financial resources to have you participate in their research. Consequently, you are expected to conduct yourself in a professional manner while in the research laboratory. This involves arriving on time, spending at least eight hours/day in the lab, following all safety rules, keeping good laboratory records, reading the primary literature, conducting your experiments/projects as directed, working hard, and staying focused and committed to your work. You should use laboratory time for research purposes only. This means that you should not use research time to e-mail friends, do homework or study for the GRE's. These activities should be restricted to evening and weekend hours, or your lunch-time.

**Important Dates:** Remind your supervisor/mentor (and yourself) of the following dates:

1. Sunday, August 23, 2009 Must be settled in your Oak Ridge Apartment by 5:00 p.m.
2. Sunday Evening, August 23, 2009 Orientation Meeting with Resident Faculty, ORISE Administrators, and Housing Administrator. Meeting place tbd at 5:30 p.m.
3. Student two minute presentations (at the weekly seminar) (Date TBA) on the general objective(s)/scope of your research project. An overhead transparency containing a title and brief summary is required at the time of your presentation.
4. Student Research Symposium. (date TBA) Each student is required to give a 12-15 minute oral presentation of the overall objectives of their research project, and what they have accomplished to date. It is strongly suggested that you use PowerPoint to prepare you presentation. If you are unfamiliar with PowerPoint someone from your research group should be willing to teach you. Chances are that your roommate or lab member will know how to use it, too. You can use overheads, slides or PowerPoint to give your presentation. You are required to attend all of the talks.
5. An abstract and brief vita are due (electronically--details to be given later) (Date TBA). You must also have prepared an ORNL-93 "Approval slip" signed by your research adviser. Your abstract/bio/and picture will be included in the Abstract booklet for the Student Research Symposium. You will receive information on how to prepare an abstract at a seminar presentation/discussion (date TBA). Your abstract/vita must be proofed, edited and approved by your adviser so that it is camera ready.

6. Thursday, December 10, 2009 Student Research Poster Session. Each student will prepare a poster of the work they accomplished during the semester. More specific information will be provided at a seminar presentation/discussion on a date tbd. Make sure you get an early start and talk to your research mentor/supervisor about what they will and will not provide for the preparation of your poster.
7. Thursday, December 10, 2009 Research paper due at Student Research Poster Session. A 5-10 page (of text, does not include title page, figures, references) research paper (in paper and electronic form) is due at the time of the Research Symposium. The ORNL Document Clearance Form (Form UCN-10369) is also due at this time. Ask your research mentor/supervisor which style they would like you to use to prepare your paper. It is a good idea to start writing your paper early (i.e. 3-4 weeks in advance) so that you have plenty of time to get feedback from your lab members. It is imperative that you have someone proofread and edit your paper before you turn it in. Starting your paper well in advance will help you to plan your research talk and to see obvious holes in your research. Your introduction section can be written around the time of your poster presentation. You will receive guidelines on a proper paper format in advance.
8. Thursday, December 10, 2009 Program Final Dinner. Location and time TBA.

## Interdisciplinary Seminar

An important component of your experience at ORNL is attendance and participation in the weekly seminar series (held Wednesday afternoons from 3:30 PM to 5:00 PM, room TBA). Many of you may have already been exposed to seminars at your home institutions. Seminar attendance is a necessary part of professional life, whether you become a research scientist, physician, college professor or CEO of a company. Professionals use seminars to disseminate information and as a forum for free exchange of ideas. It is important to cultivate the habit of attending seminars early in your academic career. It is also necessary to learn the proper etiquette for conducting yourself in a professional manner.

The objectives of the weekly seminar series are to:

1. Introduce students to a broad spectrum of the science being done at ORNL.
2. Stimulate students to think creatively by exposing them to current scientific research processes, ideas, results, etc.

Since you come from a broad range of interests, disciplines and backgrounds, seminars necessarily cover a broad spectrum of science. While you may not follow all details of a seminar not directly in your field, you should be able to extract some valuable information of interest from each talk. The seminar speakers are scientists from ORNL who are nationally, and even internationally, recognized in their field. They are generously donating their time to us. They do so out of a sense of professional pride and their commitment to educate younger scientists. As professionals, they recognize the importance of seminars to your development. Please respect the speakers and conduct yourself in courteous and professional manner. This means that you must arrive on time (generally a few minutes before the scheduled time, since pre-seminar time is a good time to chat with your peers and the Resident Director). If you run into problems and are going to be late, please enter the room as quietly and unobtrusively as possible. Also, during the seminar, please direct your attention to the speaker. Avoid your urge (or need) to nap by taking notes or by bringing something to drink or eat with you. Refrain from talking to your friends. You would be surprised by how much the speaker can hear when your whisper in the back of the room. Such behavior is distracting to the speaker and audience, and demonstrates a lack of respect for a fellow scientist.

Attendance at seminar is mandatory, and there will be a 10-15 minute discussion with the speaker after each seminar. Remember that you are receiving graded college credit for seminar. You will be graded on attendance, participation, and short written assignments. More details on the academic requirements for the seminar will be given in the course syllabus from the Resident Director, but you can count on each unexcused absence reducing your grade by one letter. If you are unable to attend a seminar (for any reason), contact the Resident Director before the seminar. The Resident Director will collect a short assignment and an evaluation of the previous seminar at the start of each week's seminar. Failure to submit the assignment will count as an absence for that seminar with the same impact on the seminar grade.

If you are unable to attend a seminar (for any reason), contact the Resident Director before the seminar.

The Resident Director will collect a short summary (approximately one page) and an evaluation of the previous seminar at the start of that day's seminar. Failure to submit the summary will count as an absence for that seminar with the same impact on the seminar grade.

**Brown bag discussions:** We have scheduled several lunch hour "Brown-Bag" Discussions to help you with various aspects of your stay during the fall semester. Feel free to bring a lunch to these sessions which will run from 11:30-12:30 at a place TBA.

## Upper-Level Course

**Homework:** Use your evening and weekend hours to do any course-associated reading and homework. Homework should not be done on lab time. Occasionally, you may need to meet with your course professor during laboratory hours. If so, make sure that this appointment is okay with your research mentor and be prepared to make up any time missed. The professors are aware of the constraints some of you are under and will be as flexible as possible. ORNL does not have any type of academic support or writing center. You will need to rely on your professor and classmates for help. Again, your professors are aware of this limitation and are willing to do everything they can to help you. If you are really struggling and need some advice or help, talk to the Resident Director. Resident Faculty are an important part of the Oak Ridge Science Semester experience and are selected in part for their ability to help you with any academic concerns you may have.

# About ORNL

For general information about Oak Ridge National Laboratory (including a map of the X-10 complex, a map showing the route from Oak Ridge to the X-10 complex, and links to other maps of the area), see the ORNL home page {<http://www.ornl.gov/>}. The purpose of this section is to provide an introduction to the requirements placed on visitors to ORNL.

For anyone at ORNL for an extended length of time, probably the most important web site is the internal web page that ORNL provides for its employees. Unfortunately, since this web site is only accessible through the ORNL computer network (or off-site via a secure, authenticated connection), it will not be accessible until you are at ORNL. However, for future reference, you should note the following links:

- The on-line ORNL employee directory. This is accessible through one of the most extensive directory search engines I have encountered.
- The ORNL library home page {<http://www.ornl.gov/info/library/>}. ORNL maintains several research libraries in addition to providing on-line access to numerous research journals and databases that you are likely to use.
- The ORNL employee training home page. This page contains links to various training procedures you will have to undergo. (This page is accessible outside of the ORNL computer network.)

The internal home page also contains links to on-line newsletters, announcements, local news and weather, and outside news sources.

## Orientation and Training

In order to receive your badge and access to the ORNL campus, you will need to complete the Site Access Training (SAT). You will receive an email from a computer system or someone at ORNL, with the web site and instructions on how to log in. You are required to take this training before arriving at ORNL or you will not be able to obtain your badge. If you have not completed the training before arriving at ORNL, you will have to take it at the Visitor's Center before you are allowed to leave with your badge.

It is also likely that you will need to complete various other training requirements before--or shortly after--you begin your term in the lab, including cyber security awareness training and other lab-specific safety and security requirements.

## Safety and Security

Since the events of 9/11, security at ORNL has been a particularly important concern. There is now a gatehouse five miles from the X-10 site and you will not be permitted onto the X-10 campus unless you have a valid ORNL security identification badge or are on the list of allowed visitors for the day. Additionally, access to buildings on the campus is controlled by a "Proximity Card". You will be issued both of these cards on the first Monday of the term. If you forget your badge or proximity card go to the Badging Office (Bldg. 5200) and request a temporary badge. Report lost or stolen badges to the Badging Office immediately.

Additionally, note that security personnel at the laboratory are likely to be armed. Should any security personnel give you instructions, follow them quickly and precisely. Security personnel may also search you as you leave the laboratory. Stealing property from the laboratory is a crime and may be grounds for your dismissal from the laboratory. Please consult the SAT manual for further information.

## Miscellaneous Information

**Car Pooling** Drivers: Those of you with cars will be called upon to drive others to and from the lab. Your willingness to share rides is appreciated. You are not expected to provide transportation for social purposes or to do anything with which you are not comfortable. You should never feel that you "have to" drive. You also have the right to refuse rides to anyone. It is up to the driver to establish hours of departure to and from the lab. It is also up to the driver to set a "charge" for gas. If there are problems with transportation, contact the Resident Director.

Riders: Gas, insurance and maintenance for a car is expensive. Please keep this in mind as you are getting rides to and from the lab. You should expect to pay a weekly fee to your regular driver. Since the drive will put approximately 100 miles on their car/week, \$20.00 - \$30/week might be a fair rate. Remember that you are riding at the driver's convenience. If the hours your driver is at the lab are not to your liking, find another driver. Please do not harass or put unnecessary pressure on your driver.

Have a clear method of communicating departure times. Riders and drivers should obtain each other's phone numbers and e-mails and carry the numbers with them.

Driving in a congested area may require some of us to be more cautious than we have been under other circumstances. Be especially careful at stop lights and be sure to follow the two second rule, even if other drivers are not. Some of the roads are very slippery when it is raining heavily. Roads in various areas of the country differ so be alert when you drive and you will be o.k. Tennessee also has strict DUI laws. Do not drink and drive. If you are 21 (or older) and are going to drink alcohol, please have a designated driver. Those of you who are under 21 know the rules (and the law). The police enforce the alcohol rules very vigorously.

**Holidays and Absences** Labor Day, Thanksgiving Day, and the day after Thanksgiving are the only three official holidays during your time at ORNL. These are the only days that you have off from research and/or classes. If you must be gone at any other time during the semester you must 1) make arrangements with your research adviser and 2) notify the Resident Faculty Director and your ORISE contact with a justifiable reason for your absence. Be advised that an extended absence from the laboratory could result in a deduction from your paycheck. It is often possible to make up short periods of missed time. Be sure to discuss possible options with your research supervisor and secure her/his approval for this plan.

If you are going to miss a day due to illness, contact your research adviser or her/his administrative assistant (make sure you have your laboratory numbers with you at home) and inform your ORISE contact. It is not necessary to notify the Resident Faculty Director of your illness, unless you are seriously ill and need to miss a lot of time

and/or require hospitalization. If you are a driver, call your riders early enough for them to make alternate arrangements for transportation. If you are a rider, remember to call your driver.

**Lunch** Many people bring their own lunch. Most research groups have their own microwaves and refrigerators for food use and preparation. At X-10 there are three locations where you can purchase food and beverages from 11:00 - 1:00: the main cafeteria (Bldg. 5200, weekly menu posted in the ORNL Today newsletter which is on-line, and one canteen (located in Bldg. 1000 - note that this one has limited fare and is take-out only). There are cafeterias at the SNS complex and the NTRC buildings. There are very few vegetarian or special diet options at any of the locations, and do not expect much variety. Generally you have 30 minutes for lunch, although this varies with each research group. Make sure you know what is the norm for your research group and stick to it. Your lunch break is not included in your eight-hour day. Plan accordingly and do not abuse this time.

# About Oak Ridge and East Tennessee

## Living in The Rolling Hills Apartments

The Rolling Hills Apartment office is located at 101 Virginia Road in Oak Ridge, TN. The Rolling Hills Apartments are not college/university housing, but rather residential housing in a residential neighborhood. You are surrounded by a broad spectrum of neighbors, including elderly, people who work early, and people with small children. Please conduct yourself accordingly. Use common sense when walking in dark areas at night. It is a good idea to travel in pairs or groups. Be alert in the parking lot, especially if your arms are laden with groceries. Report any incident which makes you feel uncomfortable or unsafe to the Resident Director and the leasing office (if another resident is involved).

Be respectful of your neighbors and keep the volume of hallway conversations, activities and electronics at a reasonable level. You should also expect the same from your neighbors. If you are not comfortable addressing a repeatedly noisy neighbor, contact the leasing office for advice on how to handle the situation.

Any maintenance problems encountered with your apartment should first be addressed with the management in the leasing office. Contact information should be included with your moving in/leasing packet. Make sure that you carefully and thoroughly check all rooms of your apartment for any damage to windows, carpets, walls, furniture, etc. and note it on the form you return to the leasing office. Note everything, no matter how small or picky, so that you will not be charged for it later. It is important to really spend time on this aspect of moving in. Make sure that you and your roommate are involved in the process. It is a good idea to keep a copy of this list. Your memory might not be so clear when you are moving out in December.

You have the right to clean and safe housing. If your apartment is not clean when you move in, report this to the leasing office. If, after repeated attempts, your requests for maintenance are not addressed to your satisfaction contact the Resident Director or Dr. Gibson in the Denison University ORSS office.

Internet service can be ordered through Comcast Communications at (865)805-1080.

### Some Grocery Stores in Oak Ridge:

- Bi-Lo (1199 Oak Ridge Turnpike--at the intersection of Rutgers Avenue and the Oak Ridge Turnpike) Get a Bi-Lo card and save money.
- Wal-Mart Superstore (373 South Illinois Avenue.) The biggest Wal-Mart I've ever seen. It also has a grocery store.
- Kroger (308 South Illinois Avenue--behind the McDonald's restaurant) Get a Kroger card by filling out an application at the service desk. This will save you money on many purchases.

**Other Retail Outlets:** Much of the retail heart of Oak Ridge is contained within the triangle bounded by Rutgers Avenue, Illinois Avenue (Route 62), and the Oak Ridge Turnpike (Route 95). Kroger and Bi-Lo are both located in strip malls with various retail stores. The Oak Ridge Mall is at 333 Main Street--right next to Wal-Mart. Several other stores--including several pharmacies, a movie theater, and a Staples--are adjacent to the mall. Sears, JCPenney's, and Proffitt's are the anchor stores for the mall, but a good portion of the mall is actually vacant. For the usual mall experience drive 20 minutes to the West Town Mall in western Knoxville (7600 Kingston Pike; Exit 380 off I-40). The Kingston Pike in west Knoxville (which runs parallel to and just south of I-40) has a good selection of well-known retail stores and restaurants. Cumberland Avenue (right next to the University of Tennessee) has many college-oriented shops and restaurants. If you like Outlet Malls (and do not mind traffic jams) one of the country's largest outlet mall centers is located in Pigeon Forge. A less crowded but smaller mall is near Crossville, off I-40.

## Oak Ridge Sites, Attractions, and Activities

The local Oak Ridge newspaper, The Oak Ridger, might be a good place to start getting acquainted with the area. {<http://www.oakridger.com/>}

**Oak Ridge Public Library:** (1403 Oak Ridge Turnpike) You can get a library card if you bring your lease agreement or a bill with your name on it to the main desk of the public library. The library has a fairly good selection of books, but also has video rental for \$2.00/tape/day. (The selection leans toward family-type and classic movies.) The library also has sixteen public-use computers (with net access; sign up for 30 minute time slots). This is a good place to do your personal e-mailing and web surfing. (Hours: Mon. - Thurs. 10:00 AM - 9:00 PM; Fri. 10:00 AM - 6:00 PM; Sat. 9:00 AM - 6:00 PM; Sun. 2:00 PM - 6:00 PM).

**Oak Ridge Civic Center:** (1403 Oak Ridge Turnpike) Contains a recreation building with a swimming pool and gymnasium. Evening and weekend public lap swimming times are available for \$2.25/visit. Call 425-3450 for hours and special rate information. Weight training equipment is not available.

**American Museum of Science and Energy:** (300 South Tulane Ave) An interesting place to spend an afternoon or two. Documents the unique history of the "Secret City" and highlights aspects of the Manhattan Project. Lots of interesting stuff for scientists. Open 9:00 AM - 5:00 PM daily. Note that there is now a modest fee to enter this museum.

**University of Tennessee Forestry Experiment Station and Arboretum:** (Highway 62, Oak Ridge) This 250-acre arboretum is a nice place to walk and it is close to home.

**Oak Ridge Playhouse:** (27 East Tennessee Avenue; 482-9999) Fairly good community theater with an eclectic playbill. Additional theater productions from professional to college productions can be found in Knoxville. A lot of really good theater comes through Knoxville.

**Tinseltown Cinema:** (755 West Main Street--only a couple of blocks from the Woodland View apartment complex--shares a parking lot with the Oak Ridge Mall) About a dozen screens. Try [www.cinemark.com](http://www.cinemark.com) for show listings. Additional movie theaters can be found in Knoxville.

**Musical Activities:** There are three music ensembles in Oak Ridge which past participants have linked up with. All are community groups and rehearse once a week.

- Community Band: The Oak Ridge Community Band rehearses from 7:30-9:30 pm on Thursday at First Christian Church, 203 Michigan. Call Steve "Doc" Combs at 483-4857.
- Community Orchestra: The Oak Ridge Community Orchestra rehearses from 10:00 am-noon Saturday. Call Nancy England, 483-0260 or John McKeever, 483-7208.

**A sampling of pizza places:**

- Big Ed's. (101 Broadway; convenient to the apartments; closed on Sundays; pop and pizza; local favorite)
- Mr. Gatti's. (100 Wilson St; deliver and dine-in, past students say the dine-in is better than the delivered)
- Papa John's. (324 S. Illinois Ave; 483-3232; delivery and take-out; no dine-in)
- Pizza Hut. (244 South Illinois Avenue; 482-4457 or 482-2228 for take-out; delivery, take-out, no dine-in)

**A sampling of Oak Ridge restaurants frequented by past students and resident faculty:**

- Applebee's (1213 Oak Ridge Turnpike) Typical of the chain, popular in Oak Ridge for "beverages" and appetizers.
- Ruby Tuesday (Oak Ridge Mall--across the street from apartments) Like Applebee's--typical of the chain--has great salad bar (with special deal on Tuesday nights).
- Ryan's (401 S. Tulane Ave.) Popular with students and Oak Ridgers because of its generous buffet (vegetarians and cholesterol watchers beware--you must choose carefully here). If you are interested in "loading up" for a modest price, this is the place for you.
- Jalisco's (212 S. Illinois Avenue) Mexican food--popular with students because of the buffet option; popular with resident directors everywhere because it actually has vegetarian options.
- El Torito's (1140 Oak Ridge Turnpike) Mexican food. No buffet. Bummer. Good food.
- New China Palace (695 Melton Lake Dr.) One of many Chinese restaurants--good Szechuan, good service. Some students thought it was "pricey". If you want a buffet consider a trip to Knoxville to the #1 China Buffet on Papermill Road.
- Saigon #1 Noodle House (697 Emory Valley Road) Good Vietnamese food. Lots of it.
- Kim Son Restaurant (171 Robertsville Road) Hard-to-find, funky little Vietnamese restaurant. Good food. Good portions. Good prices.
- Jefferson Drug Store Food and Fountain (22 N. Jefferson Circle) The best place in town for breakfast. Great service. Yummy grits!

Fast food restaurants are concentrated along Illinois Avenue between the Oak Ridge Turnpike and Rutgers Avenue, though there are also several fast food restaurants along the Oak Ridge Turnpike.

Knoxville has a myriad of really good restaurants. If there is some particular cuisine in which you are interested, ask the Resident Faculty Director, your lab group members, or explore on your own. If you are interested in a university/college type atmosphere, consider some of the places down by the University of Tennessee (try the House of Falafel on James Agee Avenue). A drive along Kingston pike will reveal many good places too. Cozymel's (Mexican), the Stir Fry Cafe (Thai), Altruda's (Italian), Miyabi's (Japanese/Sushi) or the Blackhorse Pizza and Brewery are highly recommended. The Old City area has many good restaurants too, such as Manhattan's Bistro and Bar, Old City Grill, and the Tomato Head. You can find additional information in a local attractions newspaper called the MetroPulse. It is online at [www.metropulse.com](http://www.metropulse.com).

## **Eastern Tennessee sites, attractions, and activities**

Eastern Tennessee is home to both rugged wilderness and interesting cities. Knoxville is a 25-minute drive from Oak Ridge, Chattanooga is 90 minutes away. Nashville is 3 hours away, and Atlanta, Georgia, is also 3 hours away. Some sites nearby:

**Museum of Appalachia** (Exit 122 off I-75; Norris, TN; 524-8461.) An interesting replica of a pioneer village, containing thousands of artifacts. Appalachian arts and crafts can be purchased at the museum shop.

**Knoxville Museum of Art** (1050 World's Fair Park, Knoxville.)

**Old City Historic District** (Central Street/Jackson Avenue, Knoxville.) Historic warehouse district with restaurants, antique shops, galleries, specialty shops, and clubs. Very popular with previous years' ORSS participants, but you should go in the late afternoon or evening.

**Knoxville Zoo** (Exit 392 off I-40.) Apparently, a good cat collection.

**Beck Cultural Exchange Center** (1927 Dandridge Avenue; 524-8461.) Archives documenting African-American achievements in Knoxville.

**Tennessee Aquarium and IMAX 3D Theater** (Downtown Chattanooga; 1-800-262-0695; 90 minutes from Oak Ridge.) If you like fish, this is the place for you.

**Frozen Head State Park** (964 Flat Fork Road, Wartburg, TN.) Several 5-10 mile trails along with picnicking and camping facilities. Click here for more information.<http://www.state.tn.us/environment/parks/parks/FrozenHead/>

**Norris Dam State Park** (125 Village Green Circle, Lake City, TN.) Also very close to Oak Ridge. In addition to hiking, it also has cabin rentals. Go to <http://www.state.tn.us/environment/parks/> for more information.

See The Tennessee State Parks web page for an on-line point and click guide to state parks in Tennessee. <http://www.state.tn.us/environment/parks/>

**Great Smoky Mountain National Park** Has over 800 miles of hiking trails. Definitely worth a trip. Bike rentals are available in Cade's Cove. See the National Park Service Guide (<http://www.nps.gov/grsm/>) or [gosmokies.com](http://www.gosmokies.com) (<http://www.knoxnews.com/kns/gosmokies>) for more details.

**Big South Fork Recreation Area** This park is an easy drive up Tennessee Route 297 and offers a lot of great trails, canoeing, kayaking, horseback riding, mountain biking, and camping. See the National Park Service Guide (<http://www.nps.gov/biso/>) for more details.

**Whitewater rafting, canoeing, and kayaking** Opportunities abound in the area. A popular activity with students is a day spent whitewater rafting on the Ocoee River (site of the 1996 Olympic kayaking events). You can expect to pay \$30-40 per person, although group discounts are available. Plan this activity early in the fall, before the water gets too cold (although many places do rent wet suits). There are many outfitters offering whitewater rafting. Here are a few that students have used in the past:

- High Country Outfitters (<http://www.highcountryoutfitters.com/>)
- Adventures Unlimited (<http://www.adventuresunlimited.net/>)
- Southeastern Expeditions (<https://www.southeasternexpeditions.com/>)

Or try Adventure Sports, which has links to multiple rafting companies. There is also rafting available in the Big South Fork Recreation Area. See <http://www.adventures-portsonline.com/> for details.

**Dollywood** When people in the Oak Ridge Wal-Mart (in an unofficial and spontaneous poll conducted by three undergraduates from a small, liberal arts college in the Midwest) were asked "What should a visitor to the area do first?" 23 out of 25 people said "Dollywood". Dollywood is an amusement park developed by Seiverville's own Dolly Parton. It has rides, miniature golf, several water slides and lots of other tacky stuff and things to do. A day there costs about \$40.00 (not including food). Many people think the price is "worth it". Although there are year round activities at Dollywood, the amusement park and water slides close early in the fall. Check out <http://www.dollywood.com> for more information.

# Other Information

## The GRE Exams

Many of you will be taking the general and subject Graduate Record Exams (GRE) this semester. The website for test registration information and test dates can be found at [www.gre.org](http://www.gre.org). You are responsible for making your own arrangements for taking the general and/or subject exam. The general portion of the GRE can be taken year round as a computer directed test. The nearest general GRE testing center is located at Prometric Testing Center, 9050 Executive Park Drive, Bldg A - Suite 100, Knoxville, Tennessee 37923. The phone number is (865) 690-2677.

## NFS Fellowship Applications

Those of you who are U.S. citizens and applying to graduate school this fall may be interested in applying for a National Science Foundation (N.S.F.) Graduate Fellowship. This competitive program offers 900 fellowships to individuals early in their graduate career, which provides three to five years of financial support. Program information and applications can be found at an ORAU Website at <http://www.ornl.gov/nsf/nsffel.htm>.

## Your stipend and the tax code

Taxes will not be withheld from the stipend you receive from ORNL. However, according to ORISE representatives, all stipend amounts are taxable and will be reported to the IRS. Your position at ORNL is not a job but an undergraduate fellowship. Consequently, ORAU will report the amount you've been paid on a 1099 form--not a W2 form. A copy of the 1099 is provided to each student in January following the calendar year. It is the responsibility of the individual to report stipends to the IRS. Since your position is not a job, stipends should NOT be reported on your 1040 form as wages, but should be reported as miscellaneous income (fellowships, prizes, awards).