Many researchers and other visitors of the UW-NPS Research Station at the AMK Ranch have spent some time in the Station library thumbing through a small volume telling the history of the AMK Ranch. We are pleased to announce that, with the help of the staff at the UW Libraries Digital Repository, this interesting book, A Tale of Dough Gods, Bear Grease, Cantaloupe and Sucker Oil, written by Ken Diem, Lenore Diem and Slim Laurence and published in 1986, is now available on-line in the digital collections of the UW Libraries, so check it out and enjoy this fascinating story: [http://hdl.handle.net/10176/wyu:150004](http://hdl.handle.net/10176/wyu:150004).

Annual Reports are now online!

The folks at the University of Wyoming Libraries have made the UW-NPS Research Station’s Annual Reports accessible online. They have scanned and posted the Annual Reports from the mid-70’s through present. You can find articles through search engines like Google, Yahoo, Bing or just go here: [http://repository.uwyo.edu/uwnpsrc_reports/](http://repository.uwyo.edu/uwnpsrc_reports/). Not only are the scientific papers, classes and intern reports available at this site, you can also use keyword searches to find past projects or class reports for topics in which you are interested.

You can download each Annual Report or only a specific article. This will be a great resource for those planning on submitting small grant proposals as a guide to what has been studied and how new research might build on previous studies.

Thanks to Kelly Visnak, Chad Hutchens, Yumi Ohira, Cindy Kellogg, and Lawrence Schmidt for their hard work.
Director’s Column

After many big changes during the recent past at the UW-NPS Research Station, particularly the retirement of the Station’s long-time director Hank Harlow, as we enter the 2016 season we are being challenged with more big changes. The most challenging change is the resignation of Celeste Havener after 10 years as the UW-NPS office manager here on the UW campus. Celeste has been the main contact and the helpful and friendly phone and email connection for many of you over the years, answering questions about our grants program, housing requests, report requirements, our Harlow Seminar Series and many other things. Celeste will be missed! But we will do our best to work through this transition. And we all wish Celeste the very best as she moves on to new adventures.

In part because of Celeste’s departure from our office after January 15th, we have set up a new “general” email address for the office at uw.nps@uwyo.edu. So in your email communications with us, when you email to this address your message will automatically be routed to all of us on the UW-NPS team: the director, our new office manager once hired, and key staff at the Research Station during the summer field season. Folks can also always contact me directly with questions, concerns or comments at 307-766-2022 or email bergman@uwyo.edu.

Another big change for UW-NPS this year: Dr. Michael Dillon will be joining me in running the Station as Co-Director, in a transition year leading up to my retirement next January 2017. We are delighted that Michael has agreed to continue as the new UW-NPS Research Station Director into the future. For those of you who do not already know Michael, he is an Associate Professor in the Department of Zoology and Physiology at UW with a broad interest in insect ecophysiology including field research and laboratory manipulations to address questions at the interface of ecology, physiology, and evolution, often with bees and other insects. Michael and his graduate students have worked out of the Research Station in Grand Teton on various projects for a number of their studies since Michael arrived at UW in 2009. To learn more about Michael’s research, teaching and other things, you can visit his web site at: http://www.uwyo.edu/mdillon.html.

Other changes in our operations and/or important news and announcements as we enter the 2016 season include the following (see more information about some of these items elsewhere in this newsletter):

As noted above, with the resignation of our office manager, Celeste Havener, our new contact email for the UW-NPS Research Center and Station is now uwnps@uwyo.edu.

We have simplified the charge rates for Research Station housing at the AMK from the past two-tier charge rates to a simple $15/person/day as shown on the 2016 housing form elsewhere in this newsletter.

Grand Teton National Park has completed its Environmental Analysis of proposed campus improvements at the AMK, including wastewater and water infrastructure improvements and a new dorm addition, and NPS has recently signed the Finding of No Significant Impact, allowing UW to continue planning for these improvements. For more information see: http://parkplanning.nps.gov/projectHome.cfm?projectId=45044.

Our UW-NPS Research Center Annual Reports are now available online at the following link: http://repository.uwyo.edu/uwnpsrc_reports.

The very interesting history of the AMK Ranch, A Tale of Dough Gods, Bear Grease, Cantaloupe and Sucker Oil, written by Ken Diem, Lenore Diem and Slim Lawrence and published in 1986, is now available on-line in the digital collections of the UW Libraries, so check it out and enjoy this fascinating story: http://hdl.handle.net/10176/wyu:150004.

We have begun to compile a list of past publications, such as journal articles, book chapters and books, that have resulted from work supported by the UW-NPS Research Center through grant funding or through use of Research Station facilities for housing, laboratory space, equipment or other assistance. We would greatly appreciate receiving a list of such publications as well as pdf or reprint copies of any such publications. Please send us anything you have from past work to uwnps@uwyo.edu.

Thanks to financial contributions from GTNP and YNP with matching funding from UW, we were able to fund 12 projects through the small grants program this past year. Projects included alpine aquatic invertebrates, channel changes in the Snake River, a geophysical survey of Jenny Lake, whitebark pine at the alpine tree line, a LiDAR study of the Teton Fault, beaver movement, Didy-mosphenia distribution in GRTE, small mammal distribution at the site of the Huckleberry Fire, ice patch archeology, UV protection for historic log structures, invasive American bullfrogs, and a study of wilderness acoustic environments. We also had a very busy and successful summer full of other research projects, classes, workshops, interns and seminars, which are all summarized elsewhere in this newsletter.

Our small grants program request for research proposals and the National Park Service list of research needs for the 2016 season are included with this newsletter and are also available on our web site at http://www.uwyo.edu/uwnps. So those of you interested in submitting proposals this year should get them in to us at uwnps@uwyo.edu as soon as possible, but certainly no later than our deadline of March 7, 2016. Note that this newsletter also includes announcements and application requirements for two Summer Resource Internships with Grand Teton National Park (intern positions for history/historical archeology and for the ecology of bats) and the announcement and application requirements for the Boyd Evison Graduate Fellowship for the GYA. For those of you planning research projects, field courses, meetings or workshops, our housing reservation form is also included with this newsletter and available on our web site. If you have questions about proposals, projects or housing, please contact our UW campus office at uwnps@uwyo.edu or at 307-766-4227 or Harold Bergman at bergman@uwyo.edu or 307-766-2022 (on the UW campus) or 307-543-2463 (after May 15th at the Research Station).

We’ll hope to see many of you at the UW-NPS Research Station at the AMK Ranch this coming summer, whether for a research project, a class field trip, our Thursday seminars or just for a visit.

Harold Bergman, Professor Department of Zoology and Physiology University of Wyoming Director, UW-NPS Research Station Grand Teton National Park bergman@uwyo.edu 307-766-2022 (UW campus office) 307-543-2463 (AMK office during summer season)
History/Historical Archaeology intern: The Mormon Row Historic District is a former homestead settlement in the park. Remaining today are only 5 of 26 original homesteads that included buildings, roads, hayfields, and an extensive irrigation network—the best remaining physical evidence of the former community of Grovont. Research is needed on the development and integrity of the irrigation network to understand its historical significance to the district. The park seeks an intern to:

- Research settlement history and water rights to understand the context of the irrigation network;
- Synthesize aerial photographs and modern LiDAR imagery to create a phased GIS map of primary and secondary irrigation ditches and structures and their historical ownership affiliation;
- Evaluate the integrity of the irrigation network through field survey, including mapping and assessing extant features such as head gates and bridges;
- Survey locations of non-extant structures to assess, photograph, and map surviving features such as foundations;
- Re-evaluate the sufficiency of the existing historic district boundary taking into account the cultural landscape, and reconcile conflicting district boundary maps; and
- Develop management recommendations and graphically represent the extent of the original homestead community.

The intern should be a high-level undergraduate student or graduate student with a background in historical archaeology, historic preservation or a related field, and strong GIS skills. Park staff can offer support in history, GIS, and water rights. Travel to the National Archives may be required to obtain copies of historic aerial photographs not in the possession of Grand Teton National Park.

Ecology of Bats interns: Bats of many species are an important component of Grand Teton’s fauna, but much of their ecology is not known, including their association with park visitors and staff. Mitigating potential health threats from human/bat conflicts and a conservation mandate highlights our need for more information. The park seeks an intern to:

- Develop expertise in identification of bat species both by sight and by sound (echolocations);
- Survey and inventory park buildings for bats, especially housing units;
- Inventory natural roost sites, including day and maternal roosts;
- Develop a map of species distribution and abundance;
- Develop educational material related to living with bats and white-nose syndrome (bat fungus infection); and
- Develop plans for constructing appropriately designed and located bat houses to discourage use of buildings.

The intern should have a background in biology and/or ecology, and preferably prior experience studying bats in the field. To successfully pursue the objectives of this internship, the intern should be self-motivated and enjoy working independently and safely, but also function well in a team environment.

All applicants must be U.S. citizens and a student in the spring 2016 or summer 2016 semesters and be continuing in an academic program during the fall 2016 semester. Applicants should be able to work independently once provided direction and training. A current driver’s license and good driving record are also necessary. Housing for these (8- to 10-week) positions will be provided at the University of Wyoming-National Park Service Research Center, located at the historic AMK Ranch on the shore of Jackson Lake in view of the beautiful Teton Range. A $2,500 stipend will also be provided. Start and end dates are flexible but are expected to be sometime between mid-May and early September, 2016.

How to apply: Interested students should submit a resume, names and contact information for three references, their expected graduation date, and a short statement of interest and skills related to the internship(s) with Grand Teton National Park and the John D. Rockefeller Parkway via email to: (1) shannon_dennison@nps.gov (307-739-3671) or (2) dave_gustine@nps.gov (307-739-3485) by 5:00 PM (MST) on February 19, 2016. Applications will be reviewed as soon as they are received so early application is encouraged.

More information about Grand Teton National Park, the John D. Rockefeller, Jr. Memorial Parkway, and nearby Yellowstone National Park can be found at www.nps.gov.

Want to know what is it like to have an internship with the Park Services? Check out this blog
http://historicaladministrationinternship.wordpress.com/tag/grand-teton-national-park/
The UW-NPS Research Station is a cooperative effort between the University of Wyoming and Grand Teton National Park operated at the NPS owned AMK Ranch located approximately 65 km north of Jackson, Wyoming in Grand Teton National Park. The primary function of the Research Station is to furnish housing, laboratory, and equipment support to enable researchers in the biological, physical and social sciences to access the unique aquatic and terrestrial environments of Grand Teton National Park and the Greater Yellowstone Ecosystem. In addition to providing facilities, the Research Center also directs a program to provide limited competitive funding to unsolicited research proposals that demonstrate the potential for significant contributions which may be best addressed in a park.

Work at the Research Station offers opportunity for interaction with other scientists in a diversity of disciplines. Regularly scheduled seminars create a stimulating atmosphere for discussion of research among scientists from the Research Station, Grand Teton and Yellowstone National Parks, Teton Science School, Wyoming Game and Fish, U.S. Fish and Wildlife Service, and others. The facilities and location are also an ideal setting for educational field trips and small educational and professional workshops and symposiums.

An obligation of each research group at the Station is to provide a written report of their findings during their stay at the AMK Ranch Due on or before January 1, 2017. This narrative will appear in our Annual Station Report with an online circulation which is an excellent way for our researchers to report preliminary and ongoing results. Our Annual Report highlights the productivity and relevance of work conducted by our patrons in helping the scientific community to understand this unique ecosystem.

The Research Station can house up to 55 individuals in facilities ranging from double to 10-17 person houses. All units are heated and equipped with beds, cooking utensils, and refrigerators. All but the smallest units have complete cooking and bathing facilities. Laundry facilities are available at Colter Bay, less that 4 km away. Requests for housing should include date of arrival and departure, the number of people, and the number of rooms (or cabins) requested. Housing costs are $15/day/per person. Researchers are billed for the entire length of stay unless changes are approved by the Director prior to arrival. Use of the Berol Lodge seminar facilities at the Research Station start at $100 per day and increases depending upon resources required and the number of people attending.

The Research Station's modern equipment meets many field and laboratory needs. Boats, rafts and canoes may be rented daily. Priority is given to investigators funded by the Research Station. Use of equipment for extended periods should be arranged prior to arrival. Requests for Station housing should include laboratory space requirements. If laboratory needs exceed available space, the Director will make assignments. Researchers requiring exclusive use of a piece of laboratory equipment are requested to bring their own. Facilities and equipment include:

**Wet and dry laboratories** - sample dryers, deionized water, refrigerators and freezers, hoods, waterbaths, and live-animal holding room;

**Boats** - canoes, boats with motors and trailers, rubber rafts, 19 foot MonArk research vessel suitable for use on the region's large lakes;

**Research supplies and equipment** - small mammal traps, spectrophotometer, balances, pH meters, glassware, centrifuges, microscopes;

**Seminar rooms** - accommodate up to 100 people;

**Library facilities** - over 2000 books and major scientific journals, access to on-line catalogs of major libraries in Wyoming and Colorado, and the internet;

**Computer facilities** - word processing, data entry and manipulation, access to internet;

**Camping supplies** - sleeping bags, cook stoves, and packs;

**Wireless Internet Service**-provided in the Berol Lodge.
The Proposal Program is funded by the National Park Service and the UW-NPS Research Center at the University of Wyoming. It is limited to US academic institutions, government and NGO researchers conducting their studies in the Greater Yellowstone Area.

Priority will be given to outstanding research proposals with potential for significant contributions which meet park research needs (see attached list), may be best addressed in a park setting, or include researchers using the UW-NPS Research Station in Grand Teton National Park. These awards may be used as seed money to initiate promising new research programs. It is essential that contact be made with the park in advance to ensure that the research is compatible with park management. The proposal must identify the individual from the park unit who was contacted. The researcher must provide evidence that all necessary permits can be obtained to conduct the research.

Project Investigators
The scientist(s) submitting a research proposal is (are) expected to be the designated project investigator(s). The project investigator(s) must be a faculty member of an academic institution, or be a full time member of a governmental or NGO research institution. Fiscal accountability must be assigned to the respective research institution. Undergraduate and graduate students cannot be lead project investigators.

Types of Research Proposals
All investigators desiring to work out of the UW-NPS Research Station in Grand Teton National Park must submit a research proposal. Also, if residence at the station is needed, the housing application attached to this RFP must be submitted with the proposal. Proposals for the Grant Program will usually be seeking partial or total support for a new research project. These proposals will require less than one year to complete and a budget of $5,000 or less with no overhead or indirect costs. No more than $500 will be allowed for faculty supervision of field work and writing of the final report. General proposals may have partial or complete outside funding for research to be conducted at or through the Research Station. In those situations, proposals are to be submitted for Station approval regardless of funding. These proposals should be designed to be completed within one year.

Proposal Preparation
All research proposals seeking fiscal support from the Research Center’s Proposal Program shall be prepared using the following format. Please limit proposals to 6-8 pages plus cover sheet and budget.

Cover Sheet (see Appendix A)
Generally, the authorized representative of the sponsoring institution will be the university president, agency or NGO supervisor or his/her designee.

Justification and Scope
Include here a clear statement of the problem with well-defined objectives of the proposed research. This section should demonstrate the degree of scientific knowledge with respect to relevant literature and "state of the art" research methods, potential problems which may be encountered and the general approach to be used.

Significance
Discuss the significance or potential application of information to be derived from the proposed study. This should include a description of the expected final product, i.e. a technical journal article and/or a tool for resource management.
Methods
This section should contain a clear statement of research design and methods, i.e. location of study sites, facilities required, National Park Service or other agency assistance required (collecting permits, data and records, equipment, special study area requirements, etc.), as well as other research techniques. At the time of proposal submission, approval for these study requirements should have been obtained from the concerned park and/or other resource agencies.

Budget
Budget must include time and rates for all salaries. PI salary is limited to $500 including fringe benefits. Indirect cost and overhead is not allowed. Cost share or matching funds are not required and should not be included in the proposal.

Travel mileage charges shall not exceed $0.54/mile. Equipment is defined as a unit costing more than $5000 and having a shelf life of more than 1 year. All equipment purchased with Research Station funds remain the property of the Research Station.

Other Resources and Support
Please include information about other resources at the PI’s disposal that will enhance the proposed research.

Budget Justification
A budget justification is required that justifies the expenditures.

Biographical Sketch of Project Investigator(s)
Include pertinent research projects, dates, amount and source of funding and scientific publications and reports. This brief summary should not exceed 1 page/person.

Final Report
A Final Report is required to complete a research contract agreement: This report will appear in our online UW-NPS Annual Report available at http://repository.uwyo.edu/uwnpsrc_reports/ Email the final report by January 1 in the year following the project competition to uwnps@uwyo.edu. In addition, investigators may be requested by the Park Superintendent to complete a brief annual report for park purposes; contact Brendan Moynahan <Brendan_moynahan@nps.gov> to determine any requirements.

Publication in Open Literature
In addition to the project Final Report that will appear in the Center’s on-line Annual Report, investigators are strongly encouraged to publish findings in scientific journals or other publications, as appropriate. All such publications from projects that have been supported with funding from UW-NPS or that have been conducted using Station facilities for housing, laboratory or other space must included the following acknowledgement: “This work was partially supported by the University of Wyoming – National Park Service Research Center http://www.uwyo.edu/uwnps).”

Also, once published, a full citation and an electronic pdf copy of any such publication must be sent by investigators to the UW-NPS Research Center office at uwnps@uwyo.edu.

Specimen Collections
National Park Service (NPS) regulations and management policies require accountability for specimens collected in parks. Projects which involve specimen collecting are subject to curatorial requirements which should be included in the contract schedule. These requirements include accessioning and cataloging the specimens in the NPS museum collection (National Catalog) according to guidelines in the Museum Handbook - Park II and the Users Manual for the Automated National Catalog System (ANCS). This document is available from the National Park Service, Chief of the Branch of Science, Rocky Mountain Regional Office.

It is required that specimens being placed in a non-NPS repository be loaned to the repository. Park staff are responsible for completion of necessary loan documents. If a study involves the destruction of collected specimens, those specimens are not cataloged in the NPS National Catalog. The data are to be made public and reports filed with the appropriate officials. Special considerations and/or constraints related to any research project require that procedures addressing the foregoing should be clearly developed by the park collection manager/curator and the project investigator. Such procedures should be reflected in any research proposal being submitted to the Research Station.

Proposal Submission
ELECTRONIC SUBMISSIONS ONLY. Submissions should be submitted in PDF format to: uwnps@uwyo.edu. The coversheet, with appropriate original signature can be submitted as a separate PDF.

Proposal Evaluation
Before submission, each proposal should be reviewed by the investigator(s) for qualitative fulfillment of preparation criteria. All proposals will be subjected to the following review process:

1. A 6-member UW-NPS Research Station Review Committee composed of UW faculty and NPS scientists will review and make the final evaluation of all proposals seeking funding support.

2. In the meeting of the Review Committee, reviews by the Park personnel and University of Wyoming faculty are evaluated and selection of proposals for funding are made.

Notification of Proposal Status
Each project investigator will be notified of the Review Committee's action on their proposal no later than March 31, 2016. Budgetary details and negotiations will then be undertaken.

1/7/16 RFP and guidelines mailed to potential researchers
3/7/16 Last day proposals accepted.
3/31/16 Research proposal acceptance/denial notification.
5/2/16 Initiation of contract, start field work as appropriate.
1/1/17 Report due to UW NPS Research Center.
The Hank Harlow Summer Seminar Series continues to be very popular, with over 1,500 people attending. This year we had record attendance. Ten seminars covered topics of interest to locals and researchers alike including: badgers, honeybee colony collapse, Sage grouse. This and Gordy’s work to have the meal’s catered by Signal Mountain Lodge made the seminars the place to be on Thursdays in the summer.

Eleven classes came to the station to study topics ranging from Field Ecology, Geology, Social Science to Art. Classes came from UW, Texas, Utah, California and Oklahoma.

The Station hosted over 35 Research teams this year. Topics of research included Ecology, Geology, Water Quality, Fish and Wildlife Biology, Social Sciences and Cultural/ Historic Restoration. Researchers came from University of Wyoming, Wyoming Community Colleges, 17 other universities and 6 federal and state agencies. The groups ranged from two to seven people. Some staying from a few days too over a month.

Research topics included: Cultural History of Snake River Rafting, Small mammals and fire ecology, Historic Building Conservation and Restorations, River Otters, Fire and Climate Change, Aquatic Invasive Species, Spider ecology/biogeography and Jenny Lake archaeology.

The AMK was home to twelve workshops and meetings this season. The participants came from across the globe to discuss issues of climate, international wildlife issues, environmental security, historic building restoration, landscape painting and the Wyoming Migratory paths (photo above). The station is an ideal location for conferences with a fabulous view, reasonable prices and just enough isolation to keep the meetings focused.

The UW-NPS Research Station hosted two interns selected by Grand Teton National Park, two guest interns in Ecology/Sustainability and it’s first literature intern and first artist-in–residence UW faculty member composer Anne Guzzo who was writing music inspired by the surroundings.
PROPOSAL NO: ____________

EVALUATION RATING: ____________

FINAL ACTION: ____________
(Administrative Use Only)

Name of Principal Investigator:

Title or Status:

Department:

Institution:

Address: ____________ ____________ ____________
(City) (State) (Zip)

Telephone: Office: ____________ Dept: ____________ Home:

E-Mail Address:

Name or Names of Co-Investigators:

Project

Title: __

DUNS Number.

Budget spreadsheet

Funding Required:
Amount Requested from Research Station: $ ____________ Amount of Other Support: $ ____________

Date of Project Initiation: ____________________ Date of Termination: ____________________

Will Housing be Required: ( ) Yes ( ) No If Yes, please include a housing request form:
Date: ____________________

Signature of Authorized Representative of Sponsoring Institution

Name*: ____________________
Title: ____________________
Address: ____________________

Institution Contract Officer To Whom Contract Correspondence Should Be Sent:
Name: ____________________ Address: ____________________ Phone: ____________________

*All grants will be made payable to the sponsoring institution for disbursement to project investigators. Signatures on this document acknowledge that if a research project is approved, the investigator will provide the Research Station with prescribed reports as scheduled in the award.
The Grand Teton Association offers a fellowship of up to $10,000/project for graduate studies focused on documenting aspects of the Greater Yellowstone Ecosystem, including Grand Teton and Yellowstone National Parks, the John D. Rockefeller, Jr., Memorial Parkway, and surrounding lands. Emphasis areas are lesser-known ecosystem elements such as air and water; geologic or other processes; plants, insects, reptiles, amphibians, fungi; natural soundscapes; and social science related to public understanding of natural resources use or management.

Graduate students pursuing a Master’s or Doctoral degree are invited to submit proposals to be judged on the following:

- The value of information to be gained by the scientific community and by land or resource managers
- The clarity of problem definition and uniqueness of the proposed approach
- Technical soundness of the proposed study
- Qualifications of the student and their major advisor/institution, and
- Completeness of proposal, which must present a budget clearly indicating the percent of support provided by this fellowship compared to other sources of support.

We encourage proposals that cover a major portion of studies which are new or only recently begun but are not fully funded. Projects may extend over several seasons, and must comply with appropriate agency regulations and permits (separately administered from this fellowship). Seasonal summer housing may be available at the UWNPS Research Center in Grand Teton NP—if desired, project budgets should include housing costs at $15/night and housing should be requested separately (http://www.uwyo.edu/uwnps/). Students are expected to provide a summary report or publication and one or more educational products to facilitate information transfer beyond the scientific audience, such as a presentation to site managers, the public, or a non-technical article.

Fellowship Program Schedule:

- November 20, 2015: Call for 2016 Boyd Evison Fellowship proposals
- February 5, 2016: Fellowship applications must be postmarked
- April 4, 2016: Fellowship awarded
- Summer 2016: Research begins
- December 30, 2017: Completion of project (degree may be conferred later)

The fellowship is supported by private donations and honors Boyd Evison, one of the National Park Service’s greatest leaders and supporters of expanding scientific knowledge to help shape wise management decisions and maintain uncompromised native resources. After his exemplary NPS career, Mr. Evison directed the Grand Teton Association prior to his death in 2002. Information on previous fellowship awardees can be found at http://greateryellowstonescience.org/research/fellowships.

Information about previous fellowship awardees and project titles can be found at our website http://greateryellowstonescience.org/research/fellowships.

Send to: Boyd Evison Graduate Fellowship, Grand Teton Association,
P.O. Box 170, Moose, Wyoming 83012; or email: Jan_Lynch@partner.nps.gov

For more information, contact Jan Lynch, GTA Executive Director, 307-739-3406 or Sue Consolo-Murphy, Grand Teton National Park Chief of Science& Resource Management, at 307-739-3481

Applications can be found at www.uwyo.edu/uwnps

Our WEB PAGE is http://www.uwyo.edu/uwnps
UNIVERSITY OF WYOMING-NATIONAL PARK SERVICE RESEARCH STATION at the AMK RANCH
GRAND TETON NATIONAL PARK
HOUSING APPLICATION

NAME: _______________________________ DATE: __________________________

ADDRESS: __________________________________________________________________________________

INSTITUTION AFFILIATION: _________________________________________________________________

AREA OF STUDY: __________________________________________________________________________

WEBSITE: ________________________________________________________________________________

EMAIL: ___________________________________________ PHONE: ________________________________

DATES OF RESIDENCE AT THE RESEARCH STATION

RATES This year are $15.00 per person per night.

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<th>Use additional lines for multiple dates</th>
<th>Arrival date Time (AM PM)</th>
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Rates: You will be charged for all the dates you have reserved unless you cancel one week in advance of the reservation arrival date.

All research groups staying at the AMK Ranch are required to provide a report of their stay to the UW NPS Research Center by January 1st 2017. Classes are required to provide a summary of objective/goals of the class/course and several pictures of the class activities. Send the report to uwnps@uwyo.edu. Because housing at the station is subsidized by the UWNPS Center, any work related to your stay at the station must include the following acknowledgement: “This work was partially supported by the University of Wyoming National Park Service Research Center (http://www.uwyo.edu/uwnps),”

COMPOSITION OF YOUR PARTY:

Please realize that space at the AMK is limited and families will be accommodated only after active researchers have been placed in housing.

Family Members: Wife or Husband: _______ Children: _______

Number of Non-Family Members (specify sex) requiring separate space: __________________________

RESEARCH STATION HOUSING PREFERENCE (see website at http://www.uwyo.edu/uwnps/facilities/)

First Choice:

Second Choice:

SPECIAL RESEARCH EQUIPMENT AND SPACE NEEDS AT STATION: Lab space is at a premium.

Do not expect lab space when you arrive if prior arrangements have not been made

For specific questions please email Harold Bergman (Bergman@uwyo.edu) or uwnps@uwyo.edu

Housing Application is also online at http://www.uwyo.edu/uwnps/
HYDROLOGY, AIR QUALITY AND GEOLOGY
Use of LiDAR for habitat characterization and change analysis, especially in alpine and sub-alpine areas
Use of LiDAR for fire fuels modeling
Effects of cloud seeding on climate change modeling and analysis in the GYA
Use of LiDAR to identify geologic hazards
Relating trends in glacier mass balance to down-scaled regional vs. local climate data
Compiling and analyzing local stream temperature data for change/trends, assessing implications of warming temps for water quality and aquatic species survival
Effects of dam removal on snowmelt dominated streams: long term analysis for Spread Creek
Change analysis techniques for assessing habitat change from aerial photography (NAIP imagery)
Development of a water quality monitoring protocol for Huckleberry Hot Springs and Kelly Warm Spring
(For questions about geologic and hydrologic studies, contact Kathy Melander, Hydrologist/GIS Specialist, 307-739-3493)

ECOLOGY, VEGETATION AND SOILS
Predicting the spread of cheatgrass in relation to climate change on a local scale in Grand Tetons National Park
Soil food web study of Kelly hayfields to determine differences between native and agricultural soils
Investigate effects of earlier plant flowering on pollinators and/or wildlife
For questions about studies of vegetation & soils, contact Kelly McCloskey, ecologist, 307-739-3678.

FISH AND WILDLIFE

Broad themes of interest:
Investigate climatic influences to aquatic and terrestrial habitats of fisheries and wildlife
Evaluate effects of aquatic and terrestrial invasives on wildlife and their habitats
Mitigate human and wildlife conflicts
Evaluate the effects of contaminants, pathogens, and disease on fisheries and wildlife
Monitor and research threatened and endangered species

Specific study needs:
Potential overlap in diet and habitat use of mountain goats and bighorn sheep in Grand Teton NP
Seasonal movements and habitat use of sage grouse in Grand Teton NP
Occurrence of lynx in and around Grand Teton NP
Ecological and/or human factors associated with long-term decline of nesting great blue herons in Grand Teton
Distribution and genetics of Northern leatherside (Lepidomeda co pei) in GTNP
Strategies for controlling/eliminating exotic aquatic species (brook trout, rainbow trout, New Zealand mudsnails) in GTNP
Identify tributaries to Jackson Lake for cutthroat trout recruitment
Investigate fish entrainment and water rights in selected irrigation ditches within the park
Investigate distribution, abundance, and species occurrence of bats. Locate roosts, nurseries, and hibernacula.
(For questions about fish & wildlife projects, contact Dave Gustine, Branch Chief of Fish and Wildlife Program, 307-739-3485)

SOUNDSCAPES AND WILDERNESS

HISTORY
Assess how transportation noise influences visitor experiences in the park’s frontcountry and wilderness.
Develop an acoustic map of natural and nonnatural sounds at popular visitor destinations and hiking trails.
(For questions about soundscape and wilderness projects, contact Shan Burson, bioacoustic ecologist, 307-739-3584)

PRESERVATION
Create a map of all original 26 homesteads at Mormon Row and conduct field surveys to determine the presence of homestead remains; research and document how the majority of the homesteads were ultimately lost
Complete a history of the Civilian Conservation Corps’ involvement in Grand Teton National Park, including road, trail, and building construction and clean-up work conducted around Jackson Lake
Research and document the history and chronology of trail development in Grand Teton National Park and develop evaluation context
Complete a history of the elk reduction program in Grand Teton National Park
Conduct a condition assessment and create a preservation plan for the Hunter Herford Ranch
Study and analyze energy efficiency in historic log buildings and propose compatible, sustainable retrofits to improve energy efficiency in occupied log buildings
Research and document the Buffalo Fork Ranger Station
(For questions about history and preservation topics, contact Shannon Dennison, Branch Chief of Cultural Resources, 307-739-3671)

ARCHEOLOGY
Determine feasibility of geophysical remote sensing at a significant archaeological encampment site, and implement technology-aided mapping techniques to develop detailed site map that captures tipi rings and stone alignments
Conduct ice patch archaeology survey and write survey report
Reassess documented lithic scatter sites for the presence of stone circles and update ASMIS database
Create a field guide to the classification of common projectile points in Grand Teton National Park
(For questions about archeology topics, contact Bree lyn Van Fleet, archeologist, 307-739-3666)

MUSEUM COLLECTIONS
Conduct preliminary research on mountain climbing history in Grand Teton National Park and conduct oral history interviews within the local climbing community
Identify subjects and document provenance for historic images of Grand Teton NP
Complete an initial context study of “imaging Grand Teton National Park,” a history of painters, film makers, and artists
(For questions about museum topics, contact Bridgette Guild, museum curator, 307-739-3494).
Many of these projects are ideal for a graduate student with supervision.
GENERAL CONTRACT SCHEDULE

1/7/16 RFP and guidelines mailed to potential researchers
3/9/16 Last day proposals accepted.
3/31/16 Research proposal acceptance/denial notification.
5/2/16 Initiation of contract, start field work as appropriate.