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| This report is required by law (7 U.S.C. 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.  |  | Interagency Report Control<br>No. 0180-DOA-AN  |
| <b>UNITED STATES DEPARTMENT OF AGRICULTURE</b><br><b>ANIMAL AND PLANT HEALTH INSPECTION SERVICE</b>  |  | <b>1. REGISTRATION NUMBER</b><br>23-R-0020   |
| <b>ANNUAL REPORT OF RESEARCH FACILITY</b><br>(TYPE OR PRINT)   |  | <b>2. HEADQUARTERS RESEARCH FACILITY</b> (Name, address, and telephone number as registered with USDA, include ZIP Code)<br><br>SWARTHMORE COLLEGE<br>ANIMAL CARE MANAGER<br>500 COLLEGE AVE<br>SWARTHMORE, PA 19081 |
| <b>3. REPORTING FACILITY</b> (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets, if necessary.)   |  |  |

**FACILITY LOCATIONS (Sites)**

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**REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY** (Attach additional sheets, if necessary, or use APHIS FORM 7023A.)

| A.<br><br>Animals Covered By<br>The Animal<br>Welfare Regulations | B.<br><br>Number of animals<br>being bred,<br>conditioned, or held<br>for use in teaching,<br>testing, experiments,<br>research, or surgery<br>but not yet used for<br>such purposes. | C.<br><br>Number of animals<br>upon which<br>teaching, research,<br>experiments, or<br>tests were<br>conducted involving<br>no pain, distress, or<br>use of pain-relieving<br>drugs. | D.<br><br>Number of animals upon<br>which experiments,<br>teaching, research,<br>surgery, or tests were<br>conducted involving<br>accompanying pain or<br>distress to the animals<br>and for which<br>appropriate anesthetic,<br>analgesic, or<br>tranquilizing drugs were<br>used. | E.<br><br>Number of animals upon which teaching,<br>experiments, research, surgery, or tests were<br>conducted involving accompanying pain or<br>distress to the animals and for which the use of<br>appropriate anesthetic, analgesic, or<br>tranquilizing drugs would have adversely<br>affected the procedures, results, or<br>interpretation of the teaching, research,<br>experiments, surgery, or tests. (An explanation<br>of the procedures producing pain or distress on<br>these animals and the reasons such drugs<br>were not used must be attached to this report.) | F.<br><br>TOTAL NUMBER<br>OF ANIMALS<br><br>(Cols. C + D + E) |
|---|---|--|---|--|---|
| 4. Dogs   | 0   | 0  | 0   | 0  | 0   |
| 5. Cats   | 0   | 0  | 0   | 0  | 0   |
| 6. Guinea Pigs  | 0   | 0  | 0   | 0  | 0   |
| 7. Hamsters   | 219   | 80   | 24  | 0  | 104   |
| 8. Rabbits  | 0   | 0  | 0   | 0  | 0   |
| 9. Non-human Primates   | 0   | 0  | 0   | 0  | 0   |
| 10. Sheep   | 0   | 0  | 0   | 0  | 0   |
| 11. Pigs  | 0   | 0  | 0   | 0  | 0   |
| 12. Other Farm Animals  |   |  |   |  |   |
|   |   |  |   |  |   |
| 13. Other Animals   |   |  |   |  |   |
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**ASSURANCE STATEMENTS**

- 1.) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2.) Each principal investigator has considered alternatives to painful procedures.
- 3.) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). **A summary of all such exceptions is attached to this annual report.** In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4.) The attending veterinarian for this research facility has appropriate authority to ensure the provisions of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

**CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL**  
**(Chief Executive Officer (C.E.O.) or Legally Responsible Institutional Official (I.O.))**

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

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|  | <b>DATE SIGNED</b><br>12-FEB-2018 |
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### Summary of Exceptions to Welfare Regulations 2016-17

Fifty Siberian (aka Djungarian) hamsters (*Phodopus sungorus*), both males and females, which have been paired for breeding, will remain paired for the duration of their time needed to breed a sufficient number of pups necessary to maintain the colony. Although page 74 [§3.28 (b)(1)(ii)] of the Animal Welfare Regulations states "A nursing female hamster, together with her litter, shall be housed in a primary enclosure which contains no other hamsters...", males will remain in the cage with the females and pups in order to avoid fighting, which can occur when pairs of Siberian hamsters are split and repaired. Each pair is monitored daily for breeding activity, and after 18 days is checked daily for litters. When breeding is to be ended, males are removed from the cage and females are monitored for litters for another 19 days. The IACUC has approved this changed.

Twenty-Six Siberian hamsters (*Phodopus sungorus*) will be housed in a temperature-controlled chamber for studies of dietary lipid choice in cold situations. They will be held at temperatures no lower than 5 ° C. The hamsters will be properly housed in every other way and provided cotton as a nesting material for additional floor insulation. Although page 73 (§3.26) of the Animal Welfare Regulations states "The ambient temperature shall not be allowed to fall below 60°C nor exceed 85 °C", Siberian hamsters commonly experience much lower winter temperatures in the wild, therefore animals are naturally accustomed to such conditions. Because the influence of low ambient temperature on diet choice can be studied only at lower temperatures than those maintained in the regular animal housing, the IACUC has approved this use of the controlled temperature chamber.