

UNITED STATES DEPARTMENT OF AGRICULTURE  
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.  
93-R-0353

CUSTOMER NO.  
1253

FORM APPROVED  
OMB NO. 0579-0038

**ANNUAL REPORT OF RESEARCH FACILITY**  
(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code):

THE DANKINSONS INSTITUTE  
(b)(2)High, (b)(7)f  
75 ALMANOR AVENUE  
94085  
408-734-2800 - 408-542-5600

purposes. Attach additional

3. REPORTING FACILITY sheets if necessary.)

(b)(2)High, (b)(7)(F)

See Attached Listing

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

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates	0	54	4	34	92
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

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 the 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 provision 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 or Legally Responsible Institutional official)

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

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NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(b)(6),(b)(7)(c)

(b)(6),(b)(7)(c)

11/4/2008

PART 1 - HEADQUARTERS

**Category E Justification Statement  
For October 1, 2007 - September 30, 2008 USDA Annual Report**

34 squirrel monkeys were included in the "E" category because these animals were on studies involving induction of Parkinson's disease. This process involves injection of MPTP (1-methyl-4-phenyl-1,2,3,6-Tetrahydropyridine) , a neurotoxin that selectively destroys nigrostriatal dopaminergic neurons. Presumably, there is some psychological distress associated with the temporary impairment of motor function experienced by these animals. In addition, there may be some temporary systemic side effects related to the chemical induction agent. In humans, Parkinson's disease causes increasing motor impairment and a portion of our research into the nature and possible treatment of this disorder involves induction of the disorder in living animals. In particular, non-human primates represent the only animal model in which the behavioral, neurochemical and neuropathological features of Parkinsonism are fully expressed and thus they are the best models for studies on Parkinson's disease. Based on our experience in humans, this disorder is not known to cause physical pain; however, animals may experience some distress during the time they have diminished motor function. We have strong reason to believe that this statement is correct, since we have cared for a number of humans with a form of Parkinsonism identical to that experienced by these animals, and none had pain. The impairment in our experimental studies cannot be alleviated since it is necessary to the objectives of our studies. Use of sedatives or tranquilizers is also not justified because the effects of these agents would interfere with the results of our investigations. Nor is it justified on purely medical grounds, since pain, psychosis, or agitation is not a part of this syndrome based on our experience in humans.

Registration Number: 93-R-0353  
Saimiri Sciureus (Squirrel Monkey)

NOV - 6 2008