this report is required by law (7 USC 2143). Failing in report according to the regulations can result in an order to cease and desixt and to be subject to penalties as provided for in Section 2150

UCUCA Office

President implimation

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 REGISTRATION NO 34-R-0001 FORM APPROVED OMB NO 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address as registered with USDA include Lip Codel University of Michigan Unit for Lab Animal Medicine 1301 Catherine Street Ann Arbor, MI 48109-0614

Status: Active

ORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	IATION Adminional sheets it no	g Penintale of atomath, upon which teaching.	
Annuals Covered Us The Annual Westure Regulations	D. Number of annuals boing boil, conditioned, or held for use in feaching, festing, vaporiments, research, to surgery but not yet used for such purposes.	C Number of animals upon which reading, restautch eaperither(s), to tests were conducted mouleing on pain distinss, to use of pain relieving drugs	O stanted of animals injust which experiments, leading, research, surjery, or fests wern conducted involving accompanying join or distress to the animals and his which opprepriors aresthetic, analysis, or tranquillaring drugs were used.	E Number of anomals, open among regionals, fergering is essentially experienced in any over 10515 were conducted involving accompanying pain or distress to the animals, and he which they use of appropriate anosthetic, and procedures insulis or microprotation of the Leading, research, cappropriation of the Leading, research, cappropriation of the procedures insuling plann or distribus in those animals and the construction of the procedures insuling plann or distribus in those animals and the constructions are not usual must be affected to this involve.	TOTAL MO OF ANIMA (Cots. C O + E)
Wild Rodents	0	219	0	0	219
	0	0	0	. 0	0
Chinchillas Marine Mammals		0	0	0	0
	0	54	0	0	54
Bats	0	8	0	0	8
Deer Gerbil	0	0	24	0 .	24
					<u> </u>
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ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the cord, treatment, and use of animals, including approximate use of aniesthem, analysis, and transmissing drugs, prior to, thinky and following actual research teaching, testing, surgery, or experimentalism were followed by this research tacility
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and ingulations under the Act and it has required that exceptions to the standards and inquisitions for executing and explained by the principal investigation and approved by the historical American for and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report addition in admitting the IACUC approved exceptions, this summary includes a brief application of the exceptions, the tipe second investigation and approved exceptions, this summary includes a brief application of the exceptions, the tipe second investigation and approved exceptions.
- 4) The attending reterminate inciting agrarult facility has apprepriate authority to ensure the promision of attending reterming care and in oversize the attending of other aspects.

	CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
100000	(Chief Executive Officer or Legally Responsible Institutional Official)
$\sim V() / h V(r) / h$	Lightsty (that the active to true correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF CE O SE INSTITUTIONAL OFFICIAL

NAME & FITLE OF C Z.O. OR INSTITUTIONAL OFFICIAL (Figure of Fried)

DATE SIGNED

Dec 08 99 04:19p

34 R 0001

USDA Registration Number 34-R-001

University of Michigan c/o Unit for Laboratory Animal Medicine 1301 Catherine Street Ann Arbor, MI 48109-0614

USDA Annual Report of Research Facility

November 30, 1999

Explanation for Annual Animal Use in Category E

Eighteen monkeys were used to study the analgesic effects of drugs with a warm water tail-withdrawal procedure. These monkeys have their tails immersed in 40-50°C water. The tail is not constrained and the monkeys can remove their tails without restriction. A variety of opioid and non-opioid analgesics are being studied with this procedure. Administration of analgesics would alter normal responses and interfere with the results of the study.

IACUC-Approved Exceptions to the Regulations or Standards

Four Group 3 monkeys were housed in innovative enclosures measuring 24" x 24" x 28"h, marginally short of the floorspace and height requirements specified by USDA regulations. These monkeys are involved in a long-term behavioral study in which they are periodically videotaped in their enclosures. Altering the configuration of the enclosures could confound the experimental results. The monkeys are mid-range Group 3 primates. The veterinary staff has observed the monkeys in the enclosures and determined that they are free to make postural adjustments and express species-typical behavior.

Fifteen monkeys were provided food without using a food receptacle. Rather, the monkeys were fed by handing the food biscuits directly to each animal, or placing the biscuits on the floors of the cages. These monkeys had a history of removing the feeders from their cages and tossing them to the floor, thereby preventing their access to food remaining in the feeders until the subsequent feeding. (Note that whether monkeys removed biscuits from feeders themselves, or were handed biscuits, the monkeys usually placed the biscuits on the floor of their cages for some period of time before consuming them.) The practice of hand or floor feeding of these monkeys was reviewed and approved by the veterinary staff.