

Legislating an End to Animals in the Lab

A bill backed by animal-rights activists could all but outlaw federally funded research using cats, rats, dogs, rabbits . . .

Dear Biomedical Researcher:

The Center for Alternative Research is sorry to inform you that your National Institutes of Health grant has been canceled. We have determined that your project using live rabbits and dogs might instead use computer simulations. The cancellation of projects such as yours has resulted in a fund for the development of non-animal research models that now has \$750 million. We encourage you to apply for one of our grants.

Mere fantasy for the moment on the part of animal-rights activists and pet-lovers, a stopwork memo of this sort would be mailed out to thousands of NIH grant holders if a piece of legislation now picking up support on Capitol Hill becomes law. Those in the scientific establishment say the impact of such legislation would be catastrophic, yet passage of the bill is not an altogether impossible event. "We've been getting hundreds of letters on this, just hundreds," says an aide to a congressman not connected with the legislation. "It's unbelievable. We got ten letters on windfall profits and something like 600 so far on research modernization."

Introduced last summer by Frederick Richmond (D-N.Y.) and called the Research Modernization Act, HR 4805 would create a clearing house at NIH, called the Center for Alternative Research, that would disseminate information on alternatives to research on live animals. According to the bill, these include "mathematical models, isolated organs, tissue or cell cultures, chemical assays, anthropomorphic dummies, simulated tissues and body fluids, mechanical models, computer simulations, or lower organisms."

Along with a carrot, the Center could employ a stick. After placing descriptions of such alternative methods in the *Federal Register*, the Center could cut off funds to any federal project using live animals if the Center felt the project would be better served by non-animal methods. For projects found to be absolutely reliant on live animals, the Center

would make sure only one such project was funded by federal dollars, all duplications being eliminated. The Center would also be empowered to direct up to 50 percent of all appropriations for animal-related research at NIH to the development of non-animal testing methods.



Awaiting a squirt of shampoo in one eye, these rabbits are victims of the cosmetic industry's attempt to determine product safety. Known as the Draize test, this eye-irritating experiment is often cited by animal-rights advocates as an example of needless suffering.

Since about \$1.5 billion is spent every year on this research by NIH, the figure could amount to \$750 million. "We're not trying to interfere with the quest for scientific knowledge, as some people claim," says Art Craig, an aide to Richmond. "Our main point is that there is an awful lot of unnecessary duplication of animal tests—that the feds are using animal testing even though there may exist proven alternative methods that are equally applicable to the public health. These alternative methods are not used simply because nobody is encouraging them."

Does the bill have a chance of pas-

sage? When first introduced, the Research Modernization Act looked so naive and sweeping to many observers familiar with the intricacies of research on live animals that they did not give it a second thought. Since then, however, 52 cosponsors have signed onto the bill in

the House, and the trickle of letters that representatives once received has turned into a torrent. Especially hard hit has been George E. Brown, Jr. (D-Calif.), chairman of the House subcommittee on science, research, and technology—one of the subcommittees where action on the bill is currently pending. No hearings have yet been scheduled, but Brown, who is regarded as "very interested in animal welfare" by the Massachusetts-based Research Animal Alliance, has sent out questionnaires to biomedical scientists asking their opinion of the legislation and of the replacement of in vivo testing with in vitro techniques. Brown

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