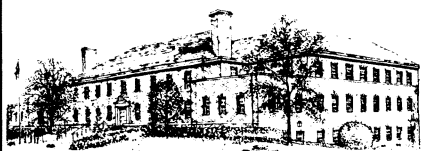




Executive Director Sigma Xi, The Scientific Research Society



The Society of Sigma Xi is searching for an Executive Director to succeed Dr. Thomas T. Holme, who is retiring after over 25 years of service. A successor is sought to take office on 1 July 1981.

Sigma Xi is an honorary, interdisciplinary, scientific society founded in 1886. It has over 120,000 active members affiliated with more than 500 chapters and clubs at leading universities, colleges, and research laboratories. It publishes *American Scientist*.

Sigma Xi seeks an exceptional person able to communicate to the scientific community its important role as an honorary society in encouraging research and providing interdisciplinary fellowship. Responsibilities include implementing the policies and programs of the Society and administering the National Office. Candidates, preferably members of the Society or eligible for membership, should have a general familiarity with scientific disciplines and with publishing a scientific journal, and should have experience in administering a staff, a substantial annual budget, and the financial and investment aspects of a not-for-profit, tax-exempt corporation.

A current curriculum vitae or résumé, with the names, addresses, and telephone numbers of three references, should be submitted by applicants, or by nominators on behalf of anyone proposed for the position, to:

Caryl P. Haskins, Chairman
Search Committee
Sigma Xi, The Scientific Research Society
345 Whitney Avenue
New Haven, Connecticut 06511

LETTERS

Saccharin Controversy

I am writing to express my deep disappointment in the cavalier commentary on the saccharin controversy published in the 11 April issue of *Science* (News and Comment, p. 154). Author R. Jeffrey Smith selectively quotes scientists who agree with the Food and Drug Administration's (FDA's) intent to ban saccharin. He relegates the majority dissenting view to the categories of misguided public, misguided press, misguided Congress, and a misleading diet food industry.

Smith does not quote one scientist as opposing the FDA ban, creating an illusion of unified scientific support for the obsolete Delaney clause. That is FDA's absolute zero risk standard, which, if generally and sincerely applied to all synthetic and natural chemicals, would ban most of the food supply, most industrial jobs, going outdoors and staying indoors, and much of the rest of the universe. Fortunately, it only applies lawfully to food additives, though the Occupational Safety and Health Administration wants it extended to the workplace.

It was correct for Smith to report that Emmanuel Farber, and the National Academy of Sciences (NAS) panel which he chaired, both concluded that (i) "saccharin should be considered to be a carcinogen." It was deception (whether of him or by him) to omit that an 80 percent majority of the NAS scientific panelists also concluded that (ii) saccharin should *not* be banned, but that (iii) the food safety law should be amended to a basis of relative risk assessment.

It was correct of Smith to report that Frederick Robbins, as chairman of the second NAS panel, endorsed the FDA proposal at a hearing before the House Commerce Subcommittee on Health. It would have been more correct to point out that Robbins was expressing a personal opinion contrary to the consensus of the panel of scientists which he chaired, a fact made clear by NAS staff at the hearing.

For Smith to assert that NAS only wanted to remove saccharin from processed foods is to rewrite history. That tabletop sweetener proposal was their fallback position after the uproar from the real consumer movement (people who actually use the stuff). What's more it was a scam and a distraction because the FDA made no pretense that saccharin or any artificial sweetener would ever be approved as an over-the-counter

drug, so the result would be the same as a total ban.

It was correct for Smith to clarify that there is value to maximum tolerable overdose testing, a "methodology made necessary by the difficulty of picking up a low level effect in a small group of animals." He should have added that there is growing evidence and concern that such biological extremism often is picking up not a low-level effect but rather only a high-level dysfunction. When you take a cancer-prone test animal and then overload what little renal function remains, or its hematologic or immunologic function or DNA repair resource, or whatever, you have not thereby proved anything other than your capacity for overwhelming biological defenses.

Finally, we get to the policy question. It is understandable that Smith would preen over the difficulty nonscientist legislators have understanding a complex scientific question, even as he adds to the confusion by crafting a one-sided summary of the issue. But if the credibility of the FDA is diminished, as it claims, the fault is the FDA's for being so dogmatic in pursuit of an outmoded absolute-zero risk concept. The Delaney clause was written by Congress in 1958, before analytical chemists extended the sensitivity of their tests a millionfold and before the rat breeders and rat feeders "perfected" their methodology. That clause and the food safety law of which it is a part need to be modernized to allow relative risk to be considered as well as benefits to the population at risk, as well as safeguards to verify that overdose testing is detecting low-level effects rather than high-level dysfunction. Smith's commentary is "an excellent example of [why] a difficult scientific issue might founder in the political and public arena." If the independent scientific leadership does not make an effort to help interpret these matters to legislators, it may be that we will never modernize the food safety law.

JAMES G. MARTIN
*House of Representatives,
U.S. Congress, Washington, D.C. 20515*

Upwelling Agents?

I found the article by Beverly Karplus Hartline (Research News, 4 Apr., p. 38) on coastal upwelling very interesting, particularly "the exciting discovery that winds hundreds of thousands of kilometers away can disturb the local currents . . ." and lead to upwellings. Since