

THE FIRST WORD

BIQ/TECHNOLOGY

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THE MOST TRUE THING

S tart with the truest thing you know," Ernest Hemingway told a novice who asked how to begin a story. And so we will. The truest thing we know is that the biotechnologies must be the cornerstone of new pharmaceutical and agricultural product development through the '90s and into the 21st century.

The odd thing is that prospects for the more distant future are so much clearer than the near-term details. Our crystal ball is farsighted, which becomes something of an embarrassment when journalists and market analysts call for opinions on what will be happening next month or next year to a particular company or a particular product.

It is good to keep this long view in mind—particularly when the newspapers are full of childishness: I'll-take-my-ball-and-go-home patent squabbling and you-can't-play-in-my-yard political bullying. As in so much else, it is easy to mistake the noise for the signal.

Viewed close up, some of the recent headlines are peculiar. Last month, a group called the Biotechnology Working Group issued a report in which it implied that one produced herbicide-resistant plants by making them produce pesticides. More recently, the states of Wisconsin* (America's Dairy Land) and Minnesota imposed one-year, wait-and-see moratoria on the sale and use of bovine somatotropin for improving dairy productivity. The breadth of Genentech's victory in tissue plasminogen activator patent fights could, if it sets a precedent, produce a sort of intellectual birthcontrol—a barrier to the conception and delivery of second- and thirdgeneration products. Perhaps it was this prospect of winning proprietary jackpots that prompted the most recent evolution, the sorry spectacle of Xoma's lawsuit-by-press-release, obviously intended to move markets shellshocked by patent-court inversions of what had seemed to be the natural order.

This contrasts sadly, notes senior editor Mark Ratner, with the generous system of cross-licenses developed by other companies...perhaps undistracted from what ought (by obligation to their stockholders and their societies) to be their primary purpose: getting the products out to where they're supposed to be, in the systems of needy patients. It would be good to remember the fable of the dog with the bone: passing by a pool, he mistook his reflection for another dog with another bone. In trying to frighten his reflection into giving up its bone, the dog dropped his own into the water, losing it forever.

Add all this to the continuing problems of tight money and a changing mix between small-company entrepreneurship and big-company intrapreneurship, and we have a very murky outlook indeed.

But these are the growing pains. A start-up company is not biotechnology any more than a multinational drug-maker is. These are paths the technology finds. Whatever setbacks companies and products may suffer, biotechnology will continue to advance, because it is the best—often the only—way to get the job done.

-Douglas McCormick

*An aide to Wisconsin Governor Tommy Thompson implicitly acknowledged that the step was motivated more by concern for popularity than for public health: "Rightly or wrongly, people have concerns about the drug," is how *The New York Times* quoted him. On the other hand, Jeremy Rifkin reportedly said that the postponements would "send shock waves through the investment community," which seemed not the least discomfitted last time we saw it.