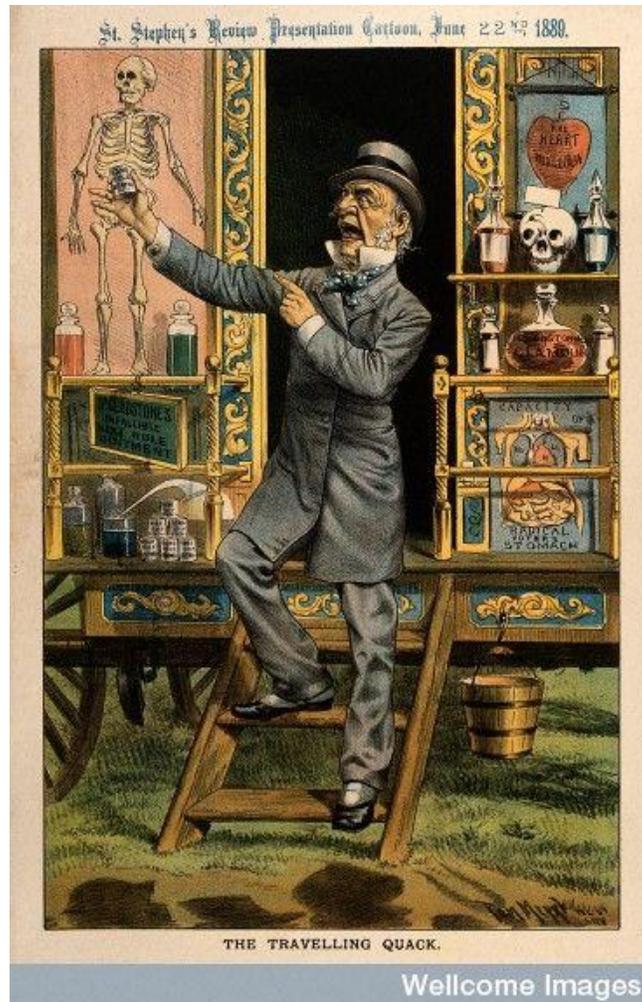


Dr. Heidegger's Experiment

By Nathaniel Hawthorne



That very singular man, old Dr. Heidegger, once invited four venerable friends to meet him in his study. There were three white-bearded gentlemen, Mr. Medbourne, Colonel Killigrew, and Mr. Gascoigne, and a withered gentlewoman, whose name was the Widow Wycherly. They were all melancholy old creatures, who had been unfortunate in life, and whose greatest misfortune it was that they were not long ago in their graves. Mr. Medbourne, in the vigor of his age, had been a prosperous merchant, but had lost his all by a frantic speculation, and was now little better than a mendicant. Colonel Killigrew had wasted his best years, and his health and substance, in the pursuit of sinful pleasures, which had given birth to a brood of pains, such as the gout, and divers other torments of soul and body. Mr. Gascoigne was a ruined politician, a man of evil fame, or at least had been so till time had buried him from the knowledge of the present generation, and made him obscure instead of infamous. As for the Widow Wycherly, tradition tells us that she was a great beauty in her day; but, for a long while past, she had lived in deep seclusion, on account of certain scandalous stories which had prejudiced the gentry of the town against her. It

is a circumstance worth mentioning that each of these three old gentlemen, Mr. Medbourne, Colonel Killigrew, and Mr. Gascoigne, were early lovers of the Widow Wycherly, and had once been on the point of cutting each other's throats for her sake. And, before proceeding further, I will merely hint that Dr. Heidegger and all his foul guests were sometimes thought to be a little beside themselves,--as is not unfrequently the case with old people, when worried either by present troubles or woful recollections.

"My dear old friends," said Dr. Heidegger, motioning them to be seated, "I am desirous of your assistance in one of those little experiments with which I amuse myself here in my study."

If all stories were true, Dr. Heidegger's study must have been a very curious place. It was a dim, old-fashioned chamber, festooned with cobwebs, and besprinkled with antique dust. Around the walls stood several oaken bookcases, the lower shelves of which were filled with rows of gigantic folios and black-letter quartos, and the upper with little parchment-covered duodecimos. Over the central bookcase was a bronze bust of Hippocrates, with which, according to some authorities, Dr. Heidegger was accustomed to hold consultations in all difficult cases of his practice. In the



obscurest corner of the room stood a tall and narrow oaken closet, with its door ajar, within which doubtfully appeared a skeleton. Between two of the bookcases hung a looking-glass,

presenting its high and dusty plate within a tarnished gilt frame. Among many wonderful stories related of this mirror, it was fabled that the spirits of all the doctor's deceased patients dwelt within its verge, and would **stare** [*not happy*] him in the face whenever he looked thitherward. The opposite side of the chamber was ornamented with the full-length portrait of a young lady, arrayed in the faded magnificence of silk, satin, and brocade, and with a visage as faded as her dress. Above half a century ago, Dr. Heidegger had been on the point of marriage with this young lady; but, being affected with some slight disorder, **she had swallowed one of her lover's prescriptions, and died on the bridal evening** [*damning evidence*]. The greatest curiosity of the study remains to be mentioned; it was a ponderous folio volume, bound in black leather, with massive silver clasps. There were no letters on the back, and nobody could tell the title of the book. But it was well known to be a book of magic; and once, when a chambermaid had lifted it, merely to brush away the dust, the skeleton had rattled in its closet, the picture of the young lady had stepped one foot upon the floor, and several ghastly faces had peeped forth from the mirror; while the brazen head of Hippocrates frowned, and said,--"Forbear!" [*Beware! A bit of foreshadowing*]



Such was Dr. Heidegger's study. On the summer afternoon of our tale a small round table, as black as ebony, stood in the centre of the room, sustaining a cut-glass vase of beautiful form and elaborate workmanship. The sunshine came through the window, between the heavy festoons of two faded damask curtains, and fell directly across this vase; so that a mild splendor was reflected from it on the ashen visages of the five old people who sat around. Four champagne glasses were also on the table.



According to a recent Nationwide survey:
MORE DOCTORS SMOKE CAMELS
THAN ANY OTHER CIGARETTE

"My dear old friends," repeated Dr. Heidegger, "may I reckon on your aid in performing an exceedingly curious experiment?"

Now Dr. Heidegger was a very strange old gentleman, whose eccentricity had become the nucleus for a thousand fantastic stories. Some of these fables, to my shame be it spoken, might possibly be traced back to my own veracious self; and if any passages of the present tale should startle the reader's faith, I must be content to bear the stigma of a **fiction monger** [i.e. liar].

When the doctor's four guests heard him talk of his proposed experiment, they anticipated nothing more wonderful than the murder of a mouse in an air pump, or the examination of a cobweb by the microscope, or some similar nonsense, with which he was constantly in the habit of pestering his intimates. But without waiting for a reply, Dr. Heidegger hobbled across the chamber, and returned with the same ponderous folio, bound in black leather, which common report affirmed to be a book of magic. Undoing the silver clasps, he opened the volume, and took from among its black-letter pages a rose, or what was once a rose, though now the green leaves and crimson petals had assumed one brownish hue, and the ancient flower seemed ready to crumble to dust in the doctor's hands.

"This rose," said Dr. Heidegger, with a sigh, "this same withered and crumbling flower, blossomed five and fifty years ago. It was given me by Sylvia Ward, whose portrait hangs yonder; and I meant to wear it in my bosom at our wedding. Five and fifty years it has been treasured between the leaves of this old volume. Now, would you deem it possible that this rose of half a century could ever bloom again?"

"Nonsense!" said the Widow Wycherly, with a peevish toss of her head. "You might as well ask whether an old woman's wrinkled face could ever bloom again."

"See!" answered Dr. Heidegger.

He uncovered the vase, and threw the faded rose into the water which it contained. At first, it lay lightly on the surface of the fluid, appearing to imbibe none of its moisture. Soon, however, a singular change began to be visible. The crushed and dried petals stirred, and assumed a deepening tinge of crimson, as if the flower were reviving from a deathlike slumber; the slender stalk and twigs of foliage became green; and there was the rose of half a century, looking as fresh as when Sylvia Ward had first given it to her lover. It was

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scarcely full blown; for some of its delicate red leaves curled modestly around its moist bosom, within which two or three dewdrops were sparkling.

"That is certainly a very pretty deception," said the doctor's friends; carelessly, however, for they had witnessed greater miracles at a conjurer's show; "pray how was it effected?"

"Did you never hear of the 'Fountain of Youth?' " asked Dr. Heidegger, "which Ponce De Leon, the Spanish adventurer, went in search of two or three centuries ago?"

"But did Ponce De Leon ever find it?" said the Widow Wycherly.

"No," answered Dr. Heidegger, "for he never sought it in the right place. The famous Fountain of Youth, if I am rightly informed, is situated in the southern part of the Floridian peninsula, not far from Lake Macaco. Its source is overshadowed by several gigantic magnolias, which, though numberless centuries old, have been kept as fresh as violets by the virtues of this wonderful water. An acquaintance of mine, knowing my curiosity in such matters, has sent me what you see in the vase."

"Ahem!" said Colonel Killigrew, who believed not a word of the doctor's story; "and what may be the effect of this fluid on the human frame?"

"You shall judge for yourself, my dear colonel," replied Dr. Heidegger; "and all of you, my respected friends, are welcome to so much of this admirable fluid as may restore to you the bloom of youth. For my own part, having had much trouble in growing old, I am in no hurry to grow young again. With your permission, therefore, I will merely watch the progress of the experiment."

While he spoke, Dr. Heidegger had been filling the four champagne glasses with the water of the Fountain of Youth. It was apparently impregnated with an effervescent gas, for little bubbles were continually ascending from the depths of the glasses, and bursting in silvery spray at the surface. As the liquor diffused a pleasant perfume, the old people doubted not that it possessed cordial and comfortable properties; and though utter sceptics as to its rejuvenescent power, they were inclined to swallow it at once. But Dr. Heidegger besought them to stay a moment.

Chemotherapy; Afraid of Their Own Medicine

- In one survey, most oncologists specializing in lung cancer reported that they would not take chemotherapy if they had the disease. Yet, everyday these doctors give their patients chemotherapy.

In conversation with an investigative reporter, one brain cancer specialist admitted that he would never submit to radiation if he had a brain tumor. Nevertheless, he continues to send patients for radiation, because he would be kicked out of the hospital if he didn't follow the accepted protocol.

- Based on information in: Townsend Letter for Doctors and Patients, Jan 1998; Spectrum, Mar/April 1998

"Before you drink, my respectable old friends," said he, "it would be well that, with the experience of a lifetime to direct you, you should draw up a few general rules for your guidance, in passing a second time through the perils of youth. Think what a sin and shame it would be, if,

GMO Labeling

"It's about freedom,
We call ourselves the land
of the free and the home of
the brave, we export
freedom around the globe,
we try to anyway, we fight
wars in the name of
freedom, and yet I don't
have the freedom to know
what's in my food".

-Top Chef Judge, Tom Colicchio



#NoGmo

with your peculiar advantages, you should not become patterns of virtue and wisdom to all the young people of the age!"

The doctor's four venerable friends made him no answer, except by a feeble and tremulous laugh; so very ridiculous was the idea that, knowing how closely repentance treads behind the steps of error, they should ever go astray again.

"Drink, then," said the doctor, bowing: "I rejoice that I have so well selected the subjects of my experiment."

With palsied hands, they raised the glasses to their lips. The liquor, if it really possessed such virtues as Dr. Heidegger imputed to it, could not have been bestowed on four human beings who needed it more wofully. They looked as if they had never known what youth or pleasure was, but had been the offspring of Nature's dotage, and always the gray, decrepit, sapless, miserable creatures, who now sat stooping round the doctor's table, without life enough in their souls or bodies to be animated even by the prospect of growing young again. They drank off the **water**, and replaced their glasses on the table.



Assuredly there was an almost immediate improvement in the aspect of the party, not unlike what might have been produced by a glass of generous wine, together with a sudden glow of cheerful sunshine brightening over all their visages at once. There was a healthful suffusion on their cheeks, instead of the ashen hue that had made them look so corpse-like. They gazed at one another, and fancied that some magic power had really begun to smooth away the deep and sad inscriptions which Father Time had been so long engraving on their brows. The Widow Wycherly adjusted her cap, for she felt almost like a woman again.

"Give us more of this wondrous water!" cried they, eagerly. "We are younger--but we are still too old! Quick--give us more!"

"Patience, patience!" quoth Dr. Heidegger, who sat watching the experiment with philosophic coolness. "You have been a long time growing old. Surely, you might be content to grow young in half an hour! But the water is at your service."

Again he filled their glasses with the liquor of youth, enough of which still remained in the vase to turn half the old people in the city to the age of their own grandchildren. While the bubbles were yet sparkling on the brim, the doctor's four guests snatched their glasses from the table, and swallowed the contents at a single gulp. Was it delusion? even while the draught was passing

down their throats, it seemed to have wrought a change on their whole systems. Their eyes grew clear and bright; a dark shade deepened among their silvery locks, **they sat around the table, three gentlemen of middle age, and a woman, hardly beyond her buxom prime.**



"My dear widow, you are charming!" cried Colonel Killigrew, whose eyes had been fixed upon her face, while the shadows of age were flitting from it like darkness from the crimson daybreak.

The fair widow knew, of old, that Colonel Killigrew's compliments were not always measured by sober truth; so she started up and ran to the mirror, still dreading that the ugly visage of an old woman would meet her gaze. Meanwhile, the three gentlemen behaved in such a manner as proved that the water of the Fountain of Youth possessed some intoxicating qualities; unless, indeed, their exhilaration of spirits were merely a lightsome dizziness caused by the sudden removal of the weight of years. Mr. Gascoigne's mind seemed to run on political topics, but whether relating to the past, present, or future, could not easily be determined, since the same ideas and phrases have been in vogue these fifty years. Now he rattled forth full-throated sentences about patriotism, national glory, and the people's right; now he muttered some perilous stuff or other, in a sly and doubtful

whisper, so cautiously that even his own conscience could scarcely catch the secret; and now, again, he spoke in measured accents, and a deeply deferential tone, as if a royal ear were listening to his well turned periods. Colonel Killigrew all this time had been trolling forth a jolly bottle song, and ringing his glass in symphony with the chorus, while his eyes wandered toward the buxom figure of the Widow Wycherly. On the other side of the table, Mr. Medbourne was involved in a calculation of dollars and cents, with which was strangely intermingled a project for supplying the East Indies with ice, by harnessing a team of whales to the polar icebergs.

As for the Widow Wycherly, she stood before the mirror courtesying and simpering to her own image, and greeting it as the friend whom she loved better than all the world beside. She thrust her face close to the glass, to see whether some long-remembered wrinkle or crow's foot had indeed vanished. **She examined whether the snow had so entirely melted from her hair that the venerable cap could be safely thrown aside. At last, turning briskly away, she came with a sort of dancing step to the table.**

"My dear old doctor," cried she, "pray favor me with another glass!"

2. Health consequences

- In 2012, about 3.3 million net deaths, or 5.9% of all global deaths, were attributable to alcohol consumption.
- There are significant sex differences in the proportion of global deaths attributable to alcohol, for example, in 2012 7.6% of deaths among males and 4% of deaths among females were attributable to alcohol.
- In 2012 139 million net DALYs (disability-adjusted life years), or 5.1% of the global burden of disease and injury, were attributable to alcohol consumption.
- There is also wide geographical variation in the proportion of alcohol-attributable deaths and DALYs, with the highest alcohol-attributable fractions reported in the WHO European Region.

resembled the tremulous glitter of diamonds. It was now so nearly sunset that the chamber had grown dusker than ever; but a mild and moonlike splendor gleamed from within the vase, and rested alike on the four guests and on the doctor's venerable figure. He sat in a high-backed, elaborately-carved, oaken arm-chair, with a gray dignity of aspect that might have well befitted that very Father Time, whose power had never been disputed, save by this fortunate company. Even while quaffing the third draught of the Fountain of Youth, they were almost awed by the expression of his mysterious visage.

But, the next moment, the exhilarating gush of young life shot through their veins. They were now in the happy prime of youth. Age, with its miserable train of cares and sorrows and diseases, was remembered only as the trouble of a dream, from which they had joyously awoke. The fresh gloss of the soul, so early lost, and without which the world's successive scenes had been but a gallery of faded pictures, again threw its enchantment over all their prospects. They felt like new-created beings in a new-created universe.

"We are young! We are young!" they cried exultingly.

Stages of Alcohol Intoxication

- 1. Subclinical (0.01-0.05)- Nearly normal behavior
- 2. Euphoria (0.03-0.12)- Mild euphoria, sociability, increased self-confidence; decreased inhibitions, diminution of attention, judgment and control
- 3. Excitement (0.09-0.25)- Emotional instability; loss of critical judgment, impairment of perception, memory and comprehension, reduced visual acuity; peripheral vision and glare recovery, sensory-motor incoordination; impaired balance, drowsiness

Youth, like the extremity of age, had *effaced* the strongly-marked characteristics of middle life, and mutually assimilated them all. **They were a group of merry youngsters**, almost maddened with the exuberant frolicsomeness of their years. The most singular effect of their gayety was an impulse to mock the infirmity and decrepitude of which they had so lately been the victims. They laughed loudly at their old-fashioned attire, the wide-skirted coats and flapped waistcoats of the young men, and the ancient cap and gown of the blooming girl. One limped across the floor like a gouty grandfather; one

set a pair of spectacles astride of his nose, and pretended to pore over the black-letter pages of the book of magic; a third seated himself in an arm-chair, and strove to imitate the venerable dignity of Dr. Heidegger. Then all shouted mirthfully, and leaped about the room. The Widow Wycherly--if so fresh a damsel could be called a widow--tripped up to the doctor's chair, with a mischievous merriment in her rosy face.

"Doctor, you dear old soul," cried she, "get up and dance with me!" And then the four young people laughed louder than ever, to think what a queer figure the poor old doctor would cut.

"Certainly, my dear madam, certainly!" replied the complaisant doctor; "see! I have already filled the glasses."

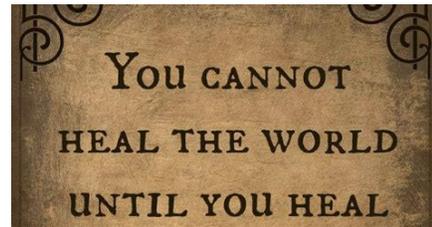
There, in fact, stood the four glasses, brimful of this wonderful water, the delicate spray of which, as it effervesced from the surface,

"Pray excuse me," answered the doctor quietly. "I am old and **rheumatic**, and my dancing days were over long ago. But either of these gay young gentlemen will be glad of so pretty a partner."

"Dance with me, Clara!" cried Colonel Killigrew.

"No, no, I will be her partner!" shouted Mr. Gascoigne.

"She promised me her hand, fifty years ago!" exclaimed Mr. Medbourne.



They all gathered round her. One caught both her hands in his passionate grasp another threw his arm about her waist--the third buried his hand among the glossy curls that clustered beneath the widow's cap. Blushing, panting, struggling, chiding, laughing, her warm breath fanning each of their faces by turns, she strove to disengage herself, yet still remained in their triple embrace. Never was there a livelier picture of youthful rivalry, with bewitching beauty for the prize. Yet, by a strange deception, owing to the duskiess of the chamber, and the antique dresses which they still wore, the tall mirror is said to have reflected the figures of the three old, gray, withered grandsires, ridiculously contending for the skinny ugliness of a shrivelled grandam.



But they were young: their burning passions proved them so. Inflamed to madness by the coquetry of the girl-widow, who neither granted nor quite withheld her favors, the three rivals began to interchange threatening glances. Still keeping hold of the fair prize, they grappled fiercely at one another's throats. As they struggled to and fro, the table was overturned, and the vase dashed into a thousand fragments. The precious Water of Youth flowed in a bright stream across the floor, moistening the wings of a butterfly, which, grown old in the decline of summer, had alighted there to die. The insect fluttered lightly through the chamber, and settled on the snowy head of Dr. Heidegger.



"Come, come, gentlemen!--come, Madam Wycherly," exclaimed the doctor, "I really must protest against this riot."

They stood still and shivered; for it seemed as if gray Time were calling them back from their sunny youth, far down into the chill and darksome vale of years. They looked at old Dr. Heidegger, who sat in his carved arm-chair, holding the rose of half a century, which he had rescued from among the fragments of the shattered vase. At the motion of his hand, the four rioters resumed their seats; the more readily, because their violent exertions had wearied them, youthful though they were.

"My poor Sylvia's rose!" ejaculated Dr. Heidegger, holding it in the light of the sunset clouds; "it appears to be fading again."

And so it was. Even while the party were looking at it, the flower continued to shrivel up, till it became as dry and fragile as when the doctor had first thrown it into the vase. He shook off the few drops of moisture which clung to its petals.

"I love it as well thus as in its dewy freshness," observed he, pressing the withered rose to his withered lips. While he spoke, the butterfly fluttered down from the doctor's snowy head, and fell upon the floor.

His guests shivered again. A strange chillness, whether of the body or spirit they could not tell, was creeping gradually over them all. They gazed at one another, and fancied that each fleeting moment snatched away a charm, and left a deepening furrow where none had been before. Was it an illusion? Had the changes of a lifetime been crowded into so brief a space, and were they now four aged people, sitting with their old friend, Dr. Heidegger?

"Are we grown old again, so soon?" cried they, dolefully.

In truth they had. The Water of Youth possessed merely a virtue more transient than that of wine. The delirium which it created had effervesced away. Yes! they were old again. With a shuddering impulse, that showed her a woman still, the widow clasped her skinny hands before her face, and wished that the coffin lid were over it, since it could be no longer beautiful.

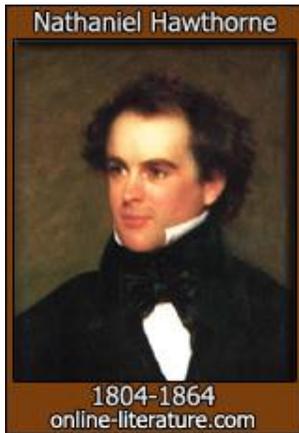


The screenshot shows a news article from CBC News. The header includes the CBC logo and a navigation menu with categories like 'Top Stories', 'Local', 'The National', 'Opinion', 'World', 'Canada', and 'Politics'. The article title is 'GM foods not served in Monsanto cafeteria'. Below the title are social media sharing icons for Facebook, Twitter, and LinkedIn. The article text begins with 'CBC News - Posted: Dec 22, 1999 4:12 PM ET | Last Updated: November 10, 2000'. The main text reads: 'The fight to ban genetically modified foods has won more converts -- some employees of Monsanto the company that is doing the most to promote GM products. The Independent newspaper reports that there is a notice in the cafeteria of the Monsanto pharmaceutical factory in High Wycombe, Buckinghamshire, advising customers "as far as practicable, GM soya and maize (has been removed) from all food products served in our restaurant. We have taken the steps to ensure that you, the customer, can feel confident in the food we serve." The notice was posted by the Sutcliffe Catering Group. Monsanto confirms the authenticity of the notice, but company spokesman Tony Coombes says the only reason for the GM-free foods is because the company "believes in choice." Coombes

"Yes, friends, ye are old again," said Dr. Heidegger, "and lo! the Water of Youth is all lavished on the ground. Well--I bemoan it not; for if the fountain gushed at my very doorstep, I would not stoop to bathe my lips in it--no, though its delirium were for years instead of moments. Such is the lesson ye have taught me!"

But the doctor's four friends had taught no such lesson to themselves. They resolved forthwith to make a pilgrimage to Florida, and quaff at morning, noon, and night, from the Fountain of Youth.

Please see assignment details below.



Assignment:

This story is full of symbols, hints, and mysteries you can solve. Comment on how some of the inserted info and pics give the story extra relevance to our time -- as if the desire for and belief in immortality doesn't remain relevant.

1. *Some questions to answer:*

- *How did the doctor transform the old rose into a new one?*
- *What kind of liquid is really in the glasses?*
- *Whose skeleton is in the closet?*
- *Why do his ex-patients "stare" at him?*
- *Why does Hippocrates grumble "Forbear"?*

2. **Contemporary connections of relevance:** *alcoholism, GMO labelling, the rise in non-contagious chronic diseases like rheumatism (including rheumatoid arthritis), the epidemic of medical malpractice and the evidence that doctors don't like or take their own medicine.*

For info on rheumatoid arthritis rates:

<https://www.sciencedaily.com/releases/2010/05/100526111324.htm>

The article below reveals the hypocrisy of a company that produces GMO food, opposes labelling, prevents customers from knowing if their food is GMO or not, making it difficult to avoid, and yet its employees, who create this food, do not want to eat it and get the right to avoid it.



GM foods not served in Monsanto cafeteria



CBC News - Posted: Dec 22, 1999 4:12 PM ET | Last Updated: November 10, 2000

The fight to ban genetically modified foods has won more converts -- some employees of Monsanto the company that is doing the most to promote GM products.

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