Forty years ago China was in the middle of the world's largest famine: between the spring of 1959 and the end of 1961 some 30 million Chinese starved to death and about the same number of births were lost or postponed. The famine had overwhelmingly ideological causes, rating alongside the two world wars as a prime example of what Richard Rhodes labelled public manmade death, perhaps the most overlooked cause of 20th century mortality. Two generations later China, which has been rapidly modernising since the early 1980s, is economically successful and producing adequate amounts of food. Yet it has still not undertaken an open, critical examination of this unprecedented tragedy.

Origins of famine

The origins of the famine can be traced to Mao Zedong's decision, supported by the leadership of China's communist party, to launch the Great Leap Forward. This mass mobilisation of the country's huge population was to achieve in just a few years economic advances that took other nations many decades to accomplish. Mao, beholden to Stalinist ideology that stressed the key role of heavy industry, made steel production the centrepiece of this deluded effort. Instead of working in the fields, tens of millions of peasants were ordered to mine local deposits of iron ore and limestone, to cut trees for charcoal, to build simple clay furnaces, and to smelt metal. This frenzied enterprise did not produce steel but mostly lumps of brittle cast iron unfit for even simple tools. Peasants were forced to abandon all private food production, and newly formed agricultural communes planted less land to grain, which at that time was the source of more than 80% of China's food energy.

At the same time, fabricated reports of record grain harvests were issued to demonstrate the superiority of communal farming. These gross exaggerations were then used to justify the expropriation of higher shares of grain for cities and the establishment of wasteful communal mess halls serving free meals. In reality, grain harvest plummeted (fig 1); and since supply and demand of food before 1958 were almost equal, by the spring of 1959 there was famine in a third of China's provinces.

As an essentially social catastrophe, the famine showed clear marks of omission, commission, and provision. These three attributes recur in all modern manmade famines. The greatest omission was the failure of China's rulers to acknowledge the famine and promptly to secure foreign food aid. Study of famines shows how easily they can be ended (or prevented) once the government decides to act—but the Chinese government took nearly three years to act. Taking away all means of private food production (in some places even cooking utensils), forcing peasants into mismanaged communes, and continuing food exports were the worst acts of commission. Preferential supply of food to cities and to the ruling elite was the deliberate act of selective provision.

These actions are perfect illustrations of Sen's thesis about the critical link between political alienation of the...
governors from the governed: “The direct penalties of a famine are borne by one group of people and political decisions are taken by another. The rulers never starve. But when a government is accountable to the local populace it too has good reasons to do its best to eradicate famines. Democracy, via electoral politics, passes on the price of famines to the rulers as well.” There was no such link in Mao’s China.

Weather only exacerbated the suffering. Official accounts still blame the natural catastrophes for the suffering—but China’s own statistics belie this explanation.7 Undoubtedly, the drought of 1960-1 would have lowered grain supply in the worst affected provinces, but by itself it would have caused only a small fraction of the eventual nationwide death toll. During the 1990s the worst droughts and floods in China’s modern history had only a marginal effect on the country’s adequate food supply. Only a return to more rational economic policies after 1961, including imports of grain, ended the famine.

China’s opening up to the world made a key difference. The first business deal signed after US President Nixon’s visit to Beijing in 1972 was an order for 13 of the world’s largest and most modern, American designed, nitrogen fertiliser plants. More purchases of such plants followed, and China became the world’s largest producer of nitrogenous fertilisers. The first major change initiated by the reformist faction of the communist party in 1979, less than three years after Mao’s death, was to dissolve agricultural communes and free farm prices. By 1984 all food rationing was lifted in the cities, and China’s average per capita food supply rose to within 5% of Japan’s comfortable mean.8

Extent of famine

The true extent of the famine was not revealed to the world until the publication of single year age distributions from the country’s first highly reliable population census in 1982. These data made it possible to estimate the total number of excess deaths between 1959 and 1961, and the first calculations by American demographers put the toll at between 16.5 and 23 million.9 More detailed later studies came up with 23 to 30 million excess deaths, and unpublished Chinese materials hint at totals closer to 40 million.10–12 We will never know the actual toll because the official Chinese figures for the three famine years greatly underestimate both the fall in fertility and the rise in mortality and because we cannot accurately reconstruct these vital statistics (fig 2).

The lack of accuracy is as expected. All death tolls cited for major famines have large margins of error. This is true even for events unfolding amid unprecedented publicity. An attempt to discern a coherent picture of morbidity, mortality, and nutritional status during the 1991-2 famine in Somalia, an effort based on 23 separate field studies, ended in failure.13 Similar controversies surround the recent estimates of the excess deaths in Iraq attributable to economic sanctions after the Gulf war.14

Need for open discussion

But no amount of additional information and no new and more sophisticated demographic analyses can change the fundamental conclusion: Mao’s delusionary policies caused by far the largest famine in human history. Yet in contrast to other great famines of the 20th century (Ukraine 1932-3, Bengal 1943-4), the causes of the Chinese famine and an attribution of responsibility for its depth and duration have never been openly discussed in the afflicted nation. Beyond a narrow circle of China experts, the famine has also been virtually ignored by Western scholars and politicians. The need for moral examination and historical closure is obvious. Eventually the country will have to examine the causes and consequences of the tragedy whose magnitudes surpasses the combined toll of all other famines China has experienced during the past two centuries.

How could this famine have lasted so long? How tenable is it to excuse the actions of so many people throughout the party and state bureaucracy by blaming solely their leader? Had they no other choice but to follow orders and to carry out, often against resistance, mindless collectivisation and reduced planting of grain, to falsify harvest statistics, and to forcibly take grain away from evidently starving peasants?
The price of coffins: specious arguments by eminent doctors against the dangers of tobacco

P Cowen

One does not avert death by ignoring the price of coffins.

Ernest Bramah, Kailung Unrolled His Mat

In June 1957 the BBC radio news reported on a white paper, prepared by Doll and Hill, which had been presented to parliament. The paper claimed that cigarette smoking appreciably increased a person’s risk of developing lung cancer, with the incidence increasing in proportion to the number of cigarettes smoked. This news was published in a statement by the Medical Research Council, which referred to Doll and Hill’s findings published in the BMJ and the Lancet. The minister of health at the time was asked in parliament what he intended to do about the findings. His response was “nothing” (which was the case) and that it was up to the medical officers of health to act on this information as they saw fit.

Responses to the white paper

Having smoked over 20 cigarettes a day for 11 years I was alarmed by this information and decided to stop immediately; I have not smoked since. Shortly after quitting I began to take an interest in the response to the white paper and was surprised by what I found. In general, newspaper articles reflected resistance to the findings—such as, the chairman of the Tobacco Workers Trade Union was reported in the tabloid press about 1960 as saying that cigarettes alone could not be blamed for lung cancer as no one knew what they had been lying next to in the shop. More important were the pronouncements of professionals whose opinions could influence the general public but who, in some cases, had no authority to