Danwei: The Economic Foundations of a Unique Institution

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magnitude, the danwei system has survived to the present, although in modified displays remarkable tenacity. In the face of economic changes of unprecedented of the danwei system. These changes inevitably spell profound change in the economic environment induced by economic reforms are causing dramatic with lifetime employment. This chapter argues that the most distinctive features form, and continues to be important in China. danwei system, and point to its eventual abolition; yet the danwei system also increasing labor mobility and changing many of the other economic foundations progressively more fundamental character have reshaped the urban economy, changes in the danwei system. Since the early 1980s, economic reforms of a distinctive danwei institution and its subsequent decline. Today, changes in the the economic environment thus provides insight into both the emergence of the economic environment in which Chinese enterprises operated. The evolution of of the danwei are best understood in light of the distinctive characteristics of the political, and economic functions and a permanent "membership" of workers example of a certain kind of social organization. The danwei was not solely a nese urban work unit, or danwei, maintained its unique status as an extreme "work unit" or productive enterprise. Rather, the danwei had multiple social, For more than two decades, from the early 1960s well into the 1980s, the Chi-

Orientation

In all societies, the employment relationship has a special status that differentiates it from other contractual relationships. In developed market economies, the labor contract carries with it some degree of protection for the worker, such that

extremely difficult for companies in Japan to lay off workers for anything less voluntary economic contracts. In Japan, the relationship is quite different, at least illegal to terminate employees for no reason at all or simply in pursuit of the ees for the wrong reasons (discrimination on account of age, race, or sex) but not voluntary contract between two parties, more or less freely entered into and the United States, in which the employment relationship is generally seen as a countries ends up serving functions beyond merely organizing productive labor within the large firm sector. internalized these guidelines into a common practice of permanent employment than gross misconduct or dire economic distress. Moreover, companies have in large firms. Japanese courts have created a body of case law that makes it tionship is widely regarded as being a specific example of a general category of company's economic advantage. Despite some government regulation, the relaterminated at will by either party. It is illegal for employers to terminate employrelationship is treated like an ordinary economic transaction. Near one extreme is There is, however, a wide variation in the extent to which the employment health care and unemployment insurance. Thus, the workplace in all developed the employment relation to organize eligibility for social benefits, including ernments both to regulate employment (for health and safety objectives) to use indispensability and relative stability of the employment relationship leads govdismissals cannot be made entirely arbitrarily or without notice. Moreover, the

zational practice, the Chinese danwei developed the tendencies discernible in extent to which these functions are performed. Despite its roots in Soviet organinent employment or enterprise social services. However, it is unique in the bundle of responsibilities and, partly as a result, are required to have a similar cal control is exercised by the danwei. Indeed, all enterprises have a similar provision of social services, especially health care, welfare, and housing. Politipolitical functions. They assume full responsibility for other activities, including earning are primary functions, but all enterprises also have social, cultural, and the enterprise, and the enterprise is multifunctional. Production and revenue danwei as an ideal type. In this ideal type, workers are permanently attached to the extreme nature of the Chinese institution. It makes some sense to discuss the Soviet institutions to a much more extreme degree. What demands explanation is microcosm of urban society, into which individuals are born, live, work, and die. so much contractors with the danwei as they are citizens of it. The danwei is a tiplicity of functions and uniformity of organizational form. Employees are not tant organizational systems of urban society. The enterprise encompasses a mulorganizational form. The enterprise is the building block for nearly all the impor-China's danwei system, then, is not unique because of the presence of perma-

to earn revenue through the sale of a good or service. The enterprise will contract with individual workers for their productive services, and the contract will be activities, but all these activities will be directly subordinate to a single function: By contrast, a purely market-oriented enterprise may engage in a variety of

> work organization, and the enterprise knows no allegiance to them. multiplicity of organizational forms. Employees owe no special allegiance to a according to different principles. Each organization is specialized, and there is a "sea" of heterogeneous organizations, created for different purposes, as needed, contracts, entered into to accomplish revenue-generating activity. It exists in a purposes. Thus the capitalist enterprise can be characterized as a bundle of prise is free to take on any organizational form that it deems appropriate for its subject to termination by either side or renewal by mutual consent. The enter-

much progress, the danwei form persists. doxical effect of strengthening the danwei characteristics. Even today, despite tionship. On the contrary, early reforms, in particular, sometimes had the paratransformation toward a familiar market-system enterprise and employment relaconditions have diminished in strength. Yet the result has not been a linear Cultural Revolution. Since economic reforms began after 1978, these shaping tive simplification as China's administrative apparatus slid backward during the sheltered competitive position for the enterprise and the trend toward administrawere required for the emergence of the extreme form of the danwei system: a markets and virtually eliminating labor mobility. Other conditions, however, accidental that the danwei in China was unique among the socialist countries or absence of labor mobility that characterized the Chinese economy precisely durthat China was also unique among socialist countries in abolishing urban labor ing the years when the danwei system was most highly developed. It is not system. Among these economic conditions, by far the most important is the the danwei system, which today are reshaping and may eliminate the danwei This chapter stresses the economic conditions that permitted the emergence of

The Emergence of the Danwei in Its Classic Form

created substantial surpluses for most enterprises; and the program of administrative simplification that emerged during the 1960s. kets and job mobility; the regularization of an enterprise financial system that gence in its classic form: the curtailment and gradual elimination of labor maristrative adaptation to the new economic circumstances created by the Great Leap Forward disaster. Three factors were most important to the danwer's emer-The danwei system emerged during the mid-1960s, as part of the Chinese admin-

The Absence of Labor Mobility

sally receive coverage under the new social security and health insurance sysurban labor markets were quite fluid. Rapid expansion of production was accomworkers enjoyed higher incomes than before, but did not automatically or univerpanied by large-scale rural-to-urban and interregional migration. New industrial During the 1950s, in the initial phases of Soviet-style industrialization in China.

duction collapsed, and mass starvation and hunger inevitably resulted. industrial occupations the food balance swung inevitably into deficit. Food proagricultural economy to support. With the shift of millions from agricultural to lectively disastrous. The exodus from agriculture was far too great for China's response to politically generated opportunities was individually rational, but colresidence were clearly the keys to a better life. The calculation to move in with the interests and aspirations of individual migrants. A factory job and urban churned up by the bizarre political utopianism of the Leap, but also corresponded known "backyard steel mills." This sudden human flood into the factories was existing factories as well as hurriedly erected new plants, including the well-60) intervened. During the Leap, millions left agricultural work and crowded into ever, before these regulations came into effect, the Great Leap Forward (1958and 1958 that would have had the effect of restricting migration to cities. Howsustaining continued rapid urbanization. Regulations were adopted between 1956 urban jobs, continuing unemployment in urban areas, and the difficulties of tems.1 Policymakers expressed concerns about the high cost of providing new

urban areas. It is clear that the fundamental motivation for this policy was the the pre-Leap regulations—that essentially halted new migration from rural to directly or indirectly to allocate almost 95 percent of first jobs in urban areas, including job mobility, thus declined sharply.2 At about this time, the governals, usually for life, and inherited by their children. Mobility of all kinds, and urban residence became an even more privileged status, possessed by individuurban residents changed. Increasingly protected from inflows of rural migrants, and showing signs of becoming permanent. The government felt compelled to was becoming wider: more crucially, it was also becoming increasingly evident to the cities would quickly resume and the burden on food supplies would again and 1963. Subsequently, tight controls were put in place-ultimately based on action and a government removal program, shrank by 14 million between 1960 minent starvation, the urban population, through a combination of voluntary taking away the hiring function from the individual enterprise.3 eluded it throughout the 1950s. From the early 1960s, the government began ment also assumed direct control over the hiring process, a control that had freeze the existing population in place. When this was done, the status of existing become too great to sustain. The gap between rural and urban living standards fear that if the decision were left to voluntary choice, migration of rural residents which created the foundations for the Chinese danwei system. Faced with im-Out of this immense catastrophe emerged a new set of economic conditions,

cordance with state needs, but resignations, dismissals, and job transfers became reassigned workers to new enterprises-including those in distant cities-in acjob changes from one urban job to another-began to disappear. The state still observations. Our first data on labor mobility come from 1978, but evidence virtually nonexistent for ordinary workers. A few numbers can flesh out these Following these changes, voluntary job mobility within urban areas—that is

> job mobility: virtually nonexistent. workers who quit (or are fired from) one state job and accept another within the year. However, it does give a good idea of the order of magnitude of voluntary measure is not a complete measure of job mobility because it does not capture individual or managerial choice still falls short of one-tenth of one percent. 4 This are added, the total leaving the state sector for reasons plausibly relating to ments were thirteen times as important. If workers converted to collective status important a cause of job-leaving as were resignations and being fired; and retire-During the same year, 150,000 state workers died. Thus death was four times as were fired in 1978, about one-twentieth of one percent of all permanent workers. However, almost half the job leavers were retirees. Only 37,000 workers quit or China, and during that year, slightly over a million workers left the state sector. 1978, there were 63 million long-term, or "permanent" (guding) state workers in indicates that the situation prevailing in 1978 began in the 1960s. At the end of

der of their working lives. upon leaving school and then remained with that single work unit for the remainin the 1960s, urban Chinese were, with rare exceptions, assigned to a work unit consisted of voluntary matches arranged by municipal labor bureaus. Beginning the factory gate, in the case of industrial enterprises) and another 10 percent the Soviet Union two-thirds of all hiring was done directly by the enterprise (at mon in the Soviet Union than in China under the danwei system. Moreover, in during the year."5 Voluntary job turnover was about a hundred times more com-Russian Republic, 16 percent of all industrial manual workers quit their jobs weeks' notice; today [1987] the required notice is two months. In 1978 in the Until the end of the 1970s, Soviet state employees could quit a job on two search for a better job in the same city. "The Soviet labor market is very active. changed jobs frequently. It was common for a worker to leave his or her job and Soviet Union and the East European socialist countries, ordinary workers It is worth stressing how unusual this was in the socialist context. In the

Union, most of the extensive labor turnover occurs among ordinary production capital among a portion of the blue-collar labor force. Similarly, in the Soviet tively highly skilled and to flexible work rules that build firm-specific human often effectively "permanent," and in Japanese industry only a portion of the cific to a given firm: if skills are nonspecific, there is little to be gained by tying blue-collar workers is frequently linked to the fact that the work force is relaments. The presence of permanent employment arrangements among Japanese work force (perhaps one-third) are covered by permanent employment arrangeworkers to a specific employer. Thus, white-collar employees in any country are system applied indiscriminately to all state workers. In market economies, long-"permanent employment" in market economies such as Japan. First, the Chinese likely to enhance productivity through the creation of work skills that are speterm employment relations predominate only in occupations where they are Additional features of the Chinese employment system differentiate it from

workers with skills that are easily transferable between enterprises

competition between entry-level applicants also provides an effective sorting differences: In both comparisons, the Chinese system is more rigid and extreme system and those prevailing in the Soviet Union or in Japan, there are clear China. So, despite the natural temptation to draw parallels between the Chinese was resented and impeded productivity must therefore have been far greater in little possibility of adjustment. The likelihood that the employment relationship signed to a work unit that immediately became their permanent employer, with mechanism. By contrast, virtually all Chinese urban school-leavers were asment positions are generally with more desirable enterprises in Japan, so tween individuals and their work environments. Moreover, permanent employflexibility at the outset to avoid some of the most unsatisfactory matches beprevious work experience in other firms.7 Thus the labor market permits enough years of work. Two-thirds of new blue-collar employees of large firms have had typically his or her final assignment as well. There was little trial employment or Japan there is considerable "sorting" of the blue-collar labor force in the first "sorting" of workers and employers to find appropriate matches. By contrast, in Second, the initial work assignment for the Chinese school graduate was

created a "surplus" (total profit and tax) for the state greater than their own wage or slightly over 2,500 yuan per worker. By comparison, the annual industrial was tremendously profitable. Even during the 1950s, industrial workers had production and marketing, ordinary operations in industry implied that industry the existing price system and the control the government exerted over rural ward, China's industry entered a phase of ordinary operation in the 1960s. Given the start-up phase of the early 1950s and the disruption of the Great Leap Forform, which relied heavily on state-owned industry to produce revenues. After During the mid-1960s, the Chinese budgetary system developed into its mature what it paid to the enterprise workers. (SOE) was generating a surplus for the government equal to about four times wage was 631 yuan.8 Throughout this period, the typical state-owned enterprise created total profit and tax of just over 2,500 yuan, and the average industrial financial relationship remained unchanged. In 1978, each state industrial worker more than doubled in size, and more than doubled its labor force, but the basic worker wage in that year was 633 yuan. Through 1978, state-owned industry 30.92 billion yuan-virtually all of which was turned over to the governmentfirst time. In that year, state-owned industry produced a total profit and tax of higher level and in 1965 surpassed four times the value of his total wage for the But, during the 1960s, the surplus created by each worker climbed to a much

SOEs. Prices were set by the government, and no serious competition was al-These financial relationships are due to the protected competitive position of

> needed for ambitious programs of economic, military, and political construction. the government budget, the authorities could be assured of the resources they the government. By transferring financial surpluses from its own enterprises to goal of the system was, of course, to provide an easily mobilizable tax base for the government could then tap these surpluses to fund its own activities. The urban work units. The result was that most urban work units were profitable, and lowed. Prices were set in a way that discriminated against farmers and benefited

as industry emerged as the "cash cow" of the economic system. These financial in state-owned enterprises. relationships provided another of the basic preconditions for the danwei system profitability would finance some improvement in workers' living standards. attempted to monitor and control the rate at which enterprises tapped into these logically preferable to individual wage increases. Thus while the government money to finance those benefits. "Collective" benefits were seen as being ideoobjectives to provide benefits to urban workers, and the enterprises had the enterprise revenue stream. After all, the government had as one of its policy During these years, the system of social insurance and benefits became universal Workers in state industry enjoyed benefits not available to those in other sectors large revenue streams, it was by no means hostile to the idea that increased ernment was at worse ambivalent about the diversion of a small part of the them to finance improvements in living standards. Moreover, the national gov-Realistically, enterprises were in a position to skim a portion of revenues and use that revenue could have a significant impact on the workers' standard of living.9 control of a large revenue stream, and the diversion of even a small proportion of surplus to the government, the reality was that the danwei had at least initial ous work unit. Even though the danwei was required to turn over virtually all its because a large surplus was the necessary condition for the creation of a prosper-Yet the volume of the surplus at the enterprise level was also significant

Administrative Simplification

institution building. Instead, they opted for political mobilization and the develcally decided to allocate almost nothing to improving living standards and to Mao Zedong's increasingly utopian conception of socialism, policymakers basieconomy and provided the basis for a developed society. Under pressure from and consolidating the institutions and bureaucratic apparatus that governed the a period during which all available resources had to be devoted to survival and be devoted to improving living standards? How much would go toward building about the allocation of this surplus. How much of the increasing surplus would plus" resources by the mid-1960s. Policymakers made some crucial calculations recovery, gradually improving economic conditions began to provide some "surcymakers once again began to face some choices about economic strategy. After As the Chinese economy recovered from the Great Leap Forward debacle, poli-

opment of what we might term "austerity socialism." Under austerity socialism, increased resources were devoted almost entirely to industrial and military development, with the objective of giving Chinese society "survivability" in what was seen as an increasingly hostile world. ¹⁰

This decision had important implications for the evolution of Chinese enterprises. First, it led to the creation of new enterprises in remote rural locations in the Chinese interior. These "Third Front" enterprises were created for national defense purposes and were thus located as far as feasible from existing urban infrastructure. This remoteness meant that these enterprises had to provide and subsequently manage their own physical infrastructure and social services. Third Front enterprises thus became extreme examples of the *danwei* even when compared to the Chinese norm, itself extreme by international standards. Third Front enterprises were often literally "small societies," or firms that incorporated within them all the functions of small cities. There was no urban or social context into which these firms could be embedded.

Even for existing urban enterprises, the trend toward austerity socialism implied changes in social organization. A process of administrative simplification detached the worker from reliance on independent bureaucracies that provided alternative sources of support or assistance, and reinforced the worker's dependence on the work unit as such. China's evolution in this respect was again in contrast to that of the Soviet Union. In the Soviet Union after the Stalinist era, there were always competing and overlapping jurisdictions within urban areas. Different functional bureaucracies oversaw and checked one another, even while each carried out specified core functions. In China, by contrast, the enterprise assumed direct control over diverse functions, making external bureaucracies superfluous.

An important example of this difference is the lesser importance of labor unions in China than in the Soviet Union, and in fact the disappearance of labor unions during the time period under consideration here. In the Soviet Union, labor unions have consistently been a significant part of the distribution of power and benefits in the enterprise. Labor unions administered much of the benefit package and served as a vehicle for the expression of certain of the workers' (nonpolitical) interests. Unions were always less important in China than in the other Soviet-type economies. Because the Chinese Communist Party's revolutionary strategy has been based on peasant mobilization since the late 1920s, union organization played little effective role in the Communist political triumph. Although union organizations were set up on the Soviet model immediately after 1949, those organizations lacked influence both within the enterprise and in national politics. Union leaders were on the losing side of two important political campaigns during the 1950s and were further marginalized by the Maoist radicalization of the Great Leap Forward. As Jeanne Wilson put it:

A distinguishing feature of Chinese trade unions is their institutional weakness even in comparison with unions in other communist states. . . . The devel-

opment strategy of the Great Leap, with its stress on voluntarism, mobilization, and the heritage of the party's experience in Yenan... relegated the trade unions to the periphery of the enterprise, patently Soviet-style structure in an increasingly anti-Soviet environment.¹³

Benefits, along with housing, for the first time began to tie workers to specific enterprise but maintaining his benefit package through his union membership. system. No longer did the individual worker retain the option of leaving his ingly, these developments substantially reinforced the trend toward the danwei option of a worker leaving an individual welfare delivery system. Not surprisas a separate delivery system. Naturally, this meant that there was no longer an ment. No national labor union system existed, and the unions ceased to function administration was delegated to the enterprise union by the enterprise managecases, resumed significant welfare functions. But, even in those cases, welfare social welfare functions. In some enterprises, unions were revived and, in some emerge during the 1970s, enterprise management groups assumed control of organs.14 Subsequently, as normalized management structures began to relutionary committees" that were the newly constituted enterprise executive enterprises were in a position to assume responsibility for social services adminsecurity system was taken over by the enterprise management itself. Conversely, istration without serious problems. Initially, responsibility devolved to the "revothe absence of labor mobility, already becoming institutionalized, meant that solved, and virtually all enterprise unions ceased to function. The abolition of labor unions inevitably meant that the administration of the benefits and social 1967, the All-China Federation of Trade Unions (ACFTU) was formally dislower. Immediately after the beginning of the Cultural Revolution in January During the 1960s, the congenitally weak status of Chinese unions sank even

mon slogan. The separate hierarchies of government-in this case, economic management under the Communist Party (dangde yivuanhua) became a comcommittees were subsumed within that hierarchy. During the 1970s, unified Communist Party hierarchy gradually resumed functioning, the revolutionary within the enterprise tried as an approach to restoring normal functioning. As the within the factory. In no case was any kind of pluralism or balancing of functions among different factions, but it was given the sole direct management authority gle for power. Subsequently, the need to restore order in the factories invariably administrative bodies were sidelined during the initial Cultural Revolution strugagement of the enterprise coalesced into direct party management. Competing cized Cultural Revolution environment. Gradually party control and direct mannot receive any formal endorsement, it was inevitable under the intensely politi-The revolutionary committee in most cases reflected an uneasy compromise led to the creation of a single political authority, the revolutionary committee. direct Communist Party management of the enterprise. Although this trend did The evolution of the trade unions was only one part of a broader trend toward

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administration—and party were progressively united into a single hierarchy. The party secretary was the "boss" (*viba shou*), who either had the ultimate authority over the factory manager or else took over the factory manager's job.

These changes simplified the enterprise's administrative relationships, in the sense that they took previously separate hierarchies or systems and merged them into one. But, conversely, the "simplification" made the authority relationships within that single remaining hierarchy all the more complex, since they now covered a much broader scope. Decisions about production, politics, and welfare were now channeled through a single chain of command. The *danwei* became all-encompassing in part because many types of important decisions were channeled through the *danwei* leadership. In the 1970s, a new form of social control was added to this mix, as compulsory birth control targets were introduced. Factory managers were charged with monitoring reproductive behavior (through their deputies) along with their other responsibilities.

At the same time, these changes in social service delivery form were essentially predicated on the end of job mobility. It would have made little sense to transfer responsibility for these things to enterprises away from society-wide institutions such as labor unions, unless the worker could be depended on to remain with the firm. And they were greatly facilitated by the strong financial position of most firms. These three elements, then, made up the basic economic preconditions for the *danwei* system. By the mid-1960s, all three were in place in China.

Aspects of the Classic Danwei System

It is worth taking a brief snapshot of the operation of the *danwei* system in its classic form. Doing so brings to light three key aspects of that system: the *danwei*'s important role in social service provision; the internal complexity of the *danwei*, and its lack of autonomy.

Social Service Delivery

Overall, state enterprises have played a substantial role in the provision of social services. Only about two-thirds of the industrial SOE work force consists of actual industrial workers, with perhaps one-fifth of their work force devoted to providing services that would not be similarly provided in a capitalist enterprise. (Table 7.1 provides figures on the labor force of industrial SOEs in 1990.) More than 70 percent of state enterprises ran schools of some kind. ¹⁵ About 40 percent of all general hospital beds were in the state-owned industrial system. State enterprises constructed most of the new housing in cities and owned a large share of the total housing stock.

While the *danwei* system existed in virtually all SOEs, it was most developed in the large, heavy industrial SOEs. Large firms were more likely to have abun-

Table 7.1

State Industrial Workers and Staff, 1990

College Medical Commercial Other	or which: Elementary and Middle	Service	Managerial	Engineers and Technicians	Apprentices	Production workers	Total	
0.04 0.47 0.2 1.84	0.57	4.54	4.74	2.52	1.07	28.93	43.64	Million
0.1 1.1 4.2	<u>.</u> ယ	10.4	2000	ט ט ט ט ט) n (5 5 2	100.0	Percent

Source: Zhongguo laodong tongji nianjian [China labor statistics yearbook 1991] (Bei-jing: Zhongguo laodong chubanshe, 1991), 331, 319.

dant revenues to fund benefits, and they were more likely to enjoy government priority during investment, so that they could provide housing and other facilities to their workers. Although few in number, large firms (dazhong-xing) play a significant role in Chinese industry. According to the 1985 Industrial Census, which offered the first detailed look at Chinese industry, there were 8,285 of these large firms, of which 7,946 were state-owned. These comprised less than 2 percent of all SOEs, but accounted for 45 percent of state light industrial employment and 64 percent of state heavy industrial employment. In Moreover, these factories were highly profitable and relatively efficient by Chinese standards. In fact, large enterprises accounted for almost two-thirds (62.3 percent) of the total profit and tax generated by independent accounting industrial enterprises.

These more than 8,000 large industrial enterprises in 1985 employed 21 percent of the total state system health workers. Similarly they have almost exactly half the hospital beds within the industrial system, or 19.4 percent of the total general hospital beds. The housing owned by just these 8,285 enterprises equals 32 percent of the *total* housing stock in the 317 largest cities in China. Within the category of large enterprises, heavy industrial enterprises accounted for three-quarters of the workers and staff, and these heavy industrial SOEs also provided substantially greater levels of services to their workers than did light industrial enterprises. Consider the comparisons shown in Table 7.2: Large heavy industrial enterprises tended to be from 80 percent to 400 percent as well endowed with social services as light industrial enterprises. What accounted for this difference? Three factors were important. First,

Table 7.2

Social Services Provided by Large Industrial Enterprises in 1985

	Workers studying (vocational and post-secondary) (per 100 workers)1.0	Library books (per worker) Recreational facilities (m² per 100 workers)	Children in nursery school (per 100 workers)	Vocational and post-secondary (per 100 workers)	connected y students (per 100 workers)	Hospital beds (per 100 workers)	Health-care personner (per 100 workers)	Enterprise-owned rodding (in per inches)	range owned housing (m² per worker)	
	2.01	.26	2.1 2.1	1.0	2.8	4.4	.37	3	10.4	Light industry
1005	2.62	.45	3.6 3.6	5.9	12.2	16.2	1.24	1.80	18.6	Heavy industry

Source: Industrial Census Leading Group, Zhonghua renmin gongheguo 1985 nian gongye pucha ziliao [Materials on the 1985 industrial census of the People's Republic of China] (Beijing: Zhongguo tongji chubanshe, 1987), vol. 1, 202, 608, 624.

light industrial enterprises were female, compared to only 28.5 percent in large receiving higher levels of benefits. Second, 49 percent of the workers in large available services, and cannot rely on urban facilities. The picture of the overall areas, including in remote Third Front areas. These enterprises must bear a both sectors. Third, more heavy industrial facilities are outside major urban this regard, note that nursery facilities are the only service provided equally to between families may be less than the apparent inequality among work units. In disproportionately supplied via the father's work unit, the underlying inequality heavy industrial enterprises. If we suppose that benefits to family members were heavy industrial enterprises were simply privileged, enjoying higher prestige and disproportionate burden of social services since they must provide virtually all were considerably better endowed than the average Chinese danwei. industrial work units as the basis for generalization. In fact, these enterprises danwei system is somewhat biased to the extent that it relies on large, heavy

Internal Complexity

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network of complex but familiar relations between human beings. Those danwei. This subjective reality was that of a dense, sometimes suffocating, nence. This reality---taken for granted by most mainland Chinese---is highrelations could develop this overgrown lushness only because of their perma-The fact of permanent employment lay behind the subjective reality of the Kong in the early 1980s: lighted in the reactions of one mainland cadre after he went to work in Hong

> to pointless quarrels, making the relationships between people complicated and tense. 18 carefully. Rumors, gossip and nasty remarks are common, too, and this leads wrong place can do great harm, so people have to sound out everybody else tion of housing and other benefits. At a critical moment, just a word in the sive worker, being sent out to study, promotions and punishments, and allocawhom he does or doesn't get along. . . . A whole range of matters must go there are any black marks on his record, what sports he's good at, and with body knows his background, history, wage grade, political behavior, whether circumstances. In China, if there's a newcomer in any unit, before long everythrough public evaluation, such as wages, bonuses, designation as a progres-I was surprised to discover that nobody paid any attention to my private

People have long histories and long memories.

and marketing. on personnel and welfare, compared to only 4 percent of time spent on supply ple functions to fulfill. As a result, managers are under enormous time and Particularly striking is the comparison between the 26 percent of time spent per day) and performed many different tasks. Among these tasks, those reinformation pressure. One study of a small sample of Chinese managers the exercise of political control. The Chinese industrial enterprise has multithe danwei was the unit for the delivery of a variety of services and also for lated to the welfare functions of the enterprise were particularly demanding. 19 found that they worked long hours (on average nine hours and forty minutes The complexity of work unit relationships also derives from the fact that

Lack of Autonomy

carry out these functions, the point here is that they must be organized in a ment division, a testing office, an energy section, an equipment management enterprise's inability to shape its own organizational form also extends to various with respect to political control-a large topic that is discussed below. But the respect to its own organization. This lack of autonomy is perhaps most striking sion of goods and services to its members, it is far from autonomous, even with labor.20 While it is probably essential that any enterprise have personnel who fundamental divisions such as finance and accounting, purchasing and sales, and division, a safety section, and a quality section, as well as larger and more the firm must deal. Thus the danwei typically was required to have a measuredepartment that corresponds to each of the bureaucratic organizations with which functional departments. In general, the enterprise is required to have an internal though the danwei may appear to be nearly self-sufficient in terms of the proviautonomous cell. It has insularity without autonomy. Alternatively stated, alis important to recognize that that cell is embedded in the social body and not an One aspect of this is that although we stress the cellular nature of the danwei, it

certain way that is dictated by outside organizations: They must be duikou (com-

first of these features was well described by Boisot and Xing: hand, to the continuing principle of territorial monopoly over production. The bodies with which the enterprise must coordinate its activities and, on the other This monotonous character is due, on the one hand, to the multiple superior have a relatively uniform organizational structure and a restricted product line. Chinese enterprises resemble branch plants rather than corporations. They

The organizational structure of the typical firm is standardized to meet external requirements and cannot be easily modified. It is designed to match control of organizational departments putatively reporting to the director. 21 the organizational structure of the supervising agencies. . . . which seek direct

replicate within their enterprise every organizational division existing in hierartheir enterprises. Managers believed that they were effectively compelled to managers had over wages and personnel and over the organizational structure of Liaoning revealed that the greatest source of discontent was the lack of authority resented by managers, even those who are not very entrepreneurially oriented. A 1986 survey conducted of 170 managers of large and medium-size factories in ning Commission, and so on. This organizational straitjacket has been greatly Ministry of Finance, a planning department that coordinates with the State Plan-Therefore, the typical firm has a finance department that coordinates with the

areas relating directly to political control. The enterprise was permeated by politspection department cally, the party committee had under it four offices: the party secretary's office, Communist Party. The party has significant influence over the danwei. Typithe local public security bureau, or a paichu jigou.). But the most important is the firms have a public security office within the firm. (It is a subordinate agency of ical organizations that owed ultimate allegiance to distant masters. Most sizable the organization department, the propaganda department, and the discipline in-This general lack of organizational autonomy was especially pronounced in

The Ironic Strengthening of the Danwei in the 1980s

reform often strengthened the danwei system. Reforms began tentatively, and withtransform social security systems could be anticipated at this phase. But early rethat the fundamental institutions underpinning the danwei system would be transout a clear strategy or blueprint. It was inconceivable, under these circumstances, Chinese economy, including the danwei system. But, ironically, the initial effects of Economic reforms begun after 1978 were ultimately to transform every aspect of the formed in the early stages of reform—no serious attempt to create labor markets or

> evident in two areas. enterprise. Decentralization and increased autonomy to the enterprise implied exnaturally increased the importance of danwei relations with urban workers. This is panded resources for the enterprise. In the short run, increases in enterprise resources forms did significantly increase the volume of resources under the control of the

as the link now crossed generations.24 attachment of workers to the danwei went from being permanent to being perpetual. retire in favor of their own children, even before the official age of retirement. The dren. Under special provisions in force through 1982, older workers were able to number of retirees. Second, many of the retirees were replaced by their own chilsteadily to 29 million by 1994. Enterprise outlays climbed in tandem with the million in 1978, the number of retirees soared to 15 million in 1984, and then grew the number of retired workers and outlays from pension funds grew rapidly. From 3 percent of state workers retired annually. This change had two consequences. First, 1979-80, 6 percent of state workers retired. In subsequent years, more than 1.5 everyone should contribute his all to national construction). During the two years encouraged to retire (previously retirement had been discouraged on the grounds that to provide employment for young people, older workers for the first time were millions of "sent down" urban youth were returning from the countryside. 23 In order ployment. Large groups of young people were entering the labor market just as Early economic reforms unfolded in an environment of intense pressure on em-

prise and worker and thus indirectly the whole danwei system enterprise had substantial resources inevitably strengthened the tie between entereven closer proximity. Relaxation of economic controls in a situation where the ing workers. Workers were tied more closely to their danwei and probably lived in operations, often "collectives," in order to provide employment for children of existin which they worked. More enterprises than before set up subsidiary retailing doubt that more workers than ever lived in the physical compound of the enterprise housing was constructed on the grounds of existing enterprises, there seems little prise-owned housing in total urban housing has grown sharply. Although not all this square meters.²⁵ Most of this was financed by enterprises, and the share of enterresidents in China more than doubled, increasing from 3.6 square meters to 7.8 enterprise funds. Between 1978 and 1994, the per-capita living space of urban One result has been a huge boom in housing construction, financed primarily by increasingly encouraged to use these funds to upgrade workers' living standards. same time, the abandonment of austerity socialism meant that enterprises were provide enterprises with incentives to cut costs and improve productivity. At the sively larger shares of the surplus they generated. The primary objective was to As reforms broadened and deepened, enterprises were allowed to retain progres-

New Pressures Reshaping the Enterprise

autonomy in the use of those resources, the most fundamental forces unleashed Despite the trends toward providing enterprises with more resources and more

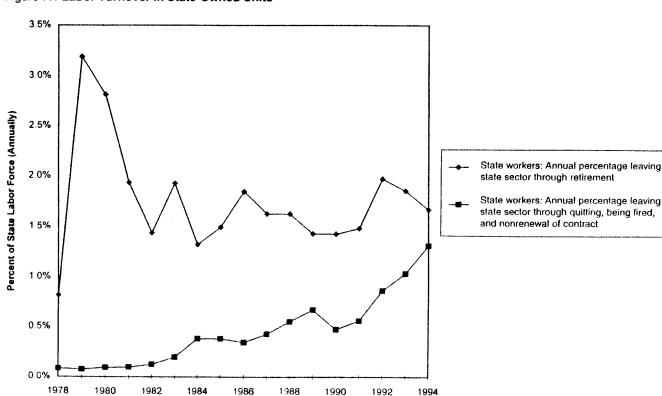
by the reform process have begun steadily to push the enterprise away from the danwei model.

Steadily Increasing Labor Mobility

Although still low, labor mobility has been creeping up steadily in China throughout the reform period and has become significant during the 1990s. Some of this is the direct result of institutional reforms. Since 1986, new workers have been hired on the basis of five-year contracts, and the evidence is now substantial that those workers are more likely to quit (or be fired) when their contracts expire than are old-style permanent workers. By the end of 1993, contract workers reached one-third of all workers in manufacturing. The 1995 Labor Law decreed that all long-term workers should become contract workers by the end of 1996. Moreover, permanent workers are now considerably more likely than in the past to resign or be fired. Anecdotal evidence suggests that the number of state workers "taking the plunge" into the private sector (xia ħaī) increased substantially during the early 1990's economic boom.

state-employed labor force.²⁸ A mobility rate of this order of magnitude is still explain an alternative labor mobility figure for 1993 given by the State Statistical enterprises within the state sector, which by most indications is a fairly large but probably not too far behind that of Japan. well below that of the relatively restless workers of Russia and the United States including movements between state-owned units, reached 3.2 percent of the Bureau (without explanation). It reports that worker mobility in 1993, explicitly representing 1.8 percent of total employees. Some of these factors probably data for 1993 include a large "other" category of workers leaving the state sector. number, probably larger than the number leaving the state sector. Moreover, the the early 1990s. First, it does not show how many workers changed jobs between measure is imperfect and certainly understates the total amount of job mobility in is now at least fifteen or twenty times more frequent than it was in 1978. Yet the shows the magnitude of the changes in the Chinese labor market. Changing jobs reached 1.3 percent of the relevant labor force in 1994.²⁷ This measure clearly (six-hundredths of one percent) has been increasing steadily since 1983 and employment contract. This measure, which was only 0.06 percent in 1978 shown aggregates workers quitting or being fired, who did not renew their plays available information on workers leaving the state sector. The measure Available statistics reflect these changes, albeit imperfectly. Figure 7.1 dis-





Source: See note 27.

creation of competitive pressures by the entry of new producers.²⁹

Initially cre-

The dominant process driving Chinese economic reforms forward has been the

Competitive Pressures

ated by the growth of township and village enterprises and locally run SOEs,

competition in the 1990s has increasingly been fostered by private and foreign-invested firms. Competition has eroded the comfortable profit margin that SOEs once enjoyed and created serious challenges to the management of state firms.

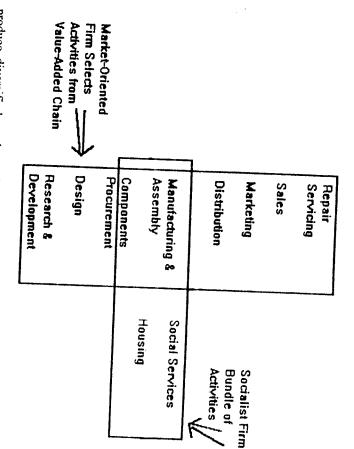
Consider first the erosion of profits. We saw above that from the mid-1960s through the end of the 1970s, state industrial workers produced a total "surplus" (profit and tax) equal to four times their total wage. By contrast, in 1993, state-owned industry produced a total profit and tax of 245.5 billion yuan, of which a significant share was retained by the enterprises. Even leaving aside the enterprise retention, each worker was producing a potential "surplus"—most of which was still going to the state—of 5,455 yuan. But by comparison the annual manufacturing worker wage in that year was 3,562 yuan. The workers "surplus" had declined, on average, to one and a half times the annual wage. Thus, SOEs simply no longer have the luxury of disposing of substantial surpluses that can be diverted into funding the institutional peculiarities of the *danwei*.

More generally, SOEs face an imperative created by competition: to restructure their activities. In the simplest terms, restructuring means that state firms need to increase efficiency, producing more and better output for a given input of capital and labor. But restructuring actually refers to a much more complex task: SOEs need to reallocate resources within the *danwei* so that they are more effective in responding to market demands. In order to do this, enterprises need to do not only what they have already been doing more efficiently; they need to learn to do different things. The classic *danwei* bundled together production tasks and worker welfare delivery. The contemporary SOE, in order to respond to competition, needs to add a range of activities to its existing repertoire.

actual manufacturing is contracted out to other firms, often in Asia. In a market sales service and repair. Any of these activities are potentially productive and are available while relying on the market to buy goods or services when lower-cost providers economy, competitive advantage is obtained by specializing in certain areas, and design, at one end, and distribution and marketing at the other end. Most Computers do very little actual production. Instead, they specialize in research one or more links on the value-added chain. Companies such as Nike and Apple tractors for important parts of the production process. Most firms specialize in the activities in the value-added chain themselves, and even they rely on subconfirms—a General Motors, for instance—find it reasonable to perform nearly all depending on the overall business strategy that they pursue. Only the largest profitable: Different firms take up different positions on the value-added chain, procurement and sourcing, production, marketing and sales, and ends with postprocess. It stretches from research and development and product design, through total sequence of activities that create value in the overall production and sales that of the "Value-Added Chain" (see Figure 7.2).31 This chain comprises the One way to look at this is to adapt a paradigm from the business literature

These relationships are applicable not only to consumer goods firms, which

Figure 7.2 Value-Added Chain



produce diversified products for often-fickle markets. They apply, albeit in somewhat altered form, to the large heavy industrial plants at the heart of the danwei system. Consider this account of the development of the American industrial corporation:

The cost advantage of larger plants cannot be fully realized unless a constant flow of materials through the plant or factory is maintained to assure effective maintain minimum efficient scale requires not only careful coordination of flow through the processes of production, but also the flow of inputs from the suppliers cannot happen automatically. It demands the constant attention of a managerial economies of scale, measured by throughput, require organizational input. Such economies depend on knowledge, skills, and teamwork—on the human organization essential to exploit the potential of technological processes. 32

In Chandler's account, the need for coordination of inputs, production, and distribution within the firm is the fundamental cause of the rise of the large industrial firm in the United States. Socialist economies have giant firms, of course, and managerial teams as well, but those managers are not accustomed to integrating distribution and production into a single business strategy.

organization. Their fundamental form is poorly suited to the demands of a marwere units for the delivery of social services as well as the "cells" of political ties are likely to be the provision of education, housing, or health care. SOEs organizations (see Figure 7.2). After production, their next most important activioping marketing strategies. Instead, SOEs are predominantly "horizontal" cally had little or no knowledge of market conditions and little experience develallocated inputs and sell output to a predesignated purchaser. Thus, firms typizations (for consumer and producer goods, respectively). Industrial firms use producing enterprise. Those functions were reserved to planners (drawing up ket economy. material balance plans) and to specialized commerce and material supply organi-The supply and marketing functions traditionally have not been performed by the ingly concentrated on the manufacturing activities in the middle of the chain Indeed, in relation to the value-added chain, traditional SOEs are overwhelm-

organization as a whole.33 That is, firms need to develop corporate headquarters cerebral cortex, a center of higher intelligence that will create a strategy for the ties: grow new limbs, as it were. Perhaps, most important, they need to grow a since they would still be left helpless amputees. They need to learn new actividevelopment of new functions. that can strategically position the firm where it wants to be and oversee totally alienating the work forces that depend on them. But that is not enough SOEs need to shed some of these auxiliary activities, but without thereby

shown to be clearly related to firm profit and sales.34 Under those circumstances, of the managerial incentive system in China meant that managers had a certain systems could push managers to adapt to market conditions. Sufficient restructuring Chinese experience in the 1980s was the finding that government-imposed incentive complex, and costly, and it causes conflict. One of the remarkable things about the allowed to do so by bureaucratic superiors. managers arguably have some incentives to restructure firms, provided that they are minimal interest in the performance of their firms. Managerial compensation can be These firms need to remake themselves. The task is challenging, time-consuming,

New Institutions Are Available to Shoulder Some of the Burden

process of creating new institutions that will relieve the danwei of some of the implementation began in 1984. Factory manager responsibility made the manprocess was the adoption of the factory manager responsibility system, whose burdens of providing social services. One of the essential milestones in this The reform process has been accompanied by a gradual, indeed painfully slow ager the top authority in the factory, concentrating power in his hands, and manager began to increase. The secretary still had influence, but increasingly the role. Gradually, the party secretary's power began to diminish and that of the placing the party secretary in a secondary, although still potentially important,

> four party offices into a single party office, or eliminated it, amalgamating it into ence over the enterprise were restricted. Many factories amalgamated the former institutionalized, routinized vehicles through which the secretary exerted influthe manager's office.

universal.36 disability funds, followed by maternity funds, are widespread, but still short of while medical insurance funds exist in only a few localities. Unemployment and ternity, and medical insurance. Of these, pension funds are now almost universal, enterprises: pension, unemployment compensation, accident and disability, maadoption of five different funds to be managed by local governments rather than between enterprises and workers' social welfare funds. The law calls for the Law. That law endorsed a general model for reforming the financial relationship institutionalization of this process accelerated with the passage of the 1995 Labor more than 20 billion yuan in reserves, held mostly in treasury bonds. 35 The pated in pension fund arrangements. Indeed, the pension funds had accumulated sioners. In spite of this interesting peculiarity, the pension system spread steadily retirees preferred to maintain the direct link between the enterprise and its penwealthy ones) clung to the old ways by first paying their own retirees, and then from the late 1980s, and by 1994, more than 95 percent of SOE workers particiamount of the pension fund set-aside required by law. Both enterprises and depositing any additional funds with the provincial authority up to the total wage bill to a provincial pension fund. In practice, many enterprises (especially management. Enterprises were required to begin contributing a portion of the Authority over pensions has been gradually separated from the enterprise

made, there is universal agreement that housing reforms have not yet begun to urban housing is controlled by danwei of various kinds. succeed and have not changed the fundamental state of affairs under which most being encouraged to invest in their own housing. Although a start has been is being raised; some enterprise housing is being sold off; and individuals are Similar efforts have been made with respect to housing reform. Housing rent

Limitations and Future Prospects

creating new institutions. The process of institutional creation lags behind the need internal institutions. The government seeks to accommodate these demands by seek ways to relieve themselves of different kinds of burdens and remake their and relaxed danwei control. Enterprises are struggling to survive, and so they jobs, and so they create a partial constituency for greater "portability" of benefits pushed forward by multiple factors. Workers are increasingly ready to change But in fact the process of change, as is so often the case in China, is being relieve the danwei of some of its burdens, it would be difficult to be optimistic advanced. If the process relied solely on the creation of alternative institutions to The process under which economic conditions are changing is already quite

undermine the danwei system and push the system toward greater marketization. The most powerful, most fundamental, and most long-lasting forces are those that yet it continues to be pulled forward precisely by the magnitude of those needs.

danwei institutions are still quite prominent. highly developed that change has been the smallest. Among state firms, the have practically disappeared, outcompeted by rural collectives and private firms it is precisely the large state firms that have survived. Small-scale state firms That is, it is precisely in those firms where the institution of the danwei was most protected by government regulations and the importance of economies of scale However, the larger state firms, particularly in heavy industry, have survived, will be quick or linear. First, again ironically, in the current reform environment At the same time, for many reasons it would be naive to think that progress

competitive advantage. conditions. Some, at least, of these firms will retain danwei-like institutions in system was most developed before reform are those most likely to exhibit these by continuous investment in workers, and it should be made advantageous to special skills to enterprises for long periods. Firm-specific skills can be fostered with the United States) shows that there are good reasons to tie workers with to give up to the government. Naturally, they will continue to divert as much as will take the form of benefit provision. In part, this is because successful firms will be increasing competition for good employees, and some of this competition apparatus of social service provision as they can. In part, this is because there the competitive market economy because they find them consistent with their large, capital-intensive and technologically sophisticated firms where the danwei those workers to remain with the firm that invested in them. Precisely those possible to their own benefit. Moreover, the comparison with Japan (and even will continue to control large revenue streams, most of which they are supposed Indeed, we should expect that successful SOEs will hold onto as much of the

ter"—the factory manager—and a "core"—the party committee—in each facthe more open, fluid society that is emerging in the country. instrument of political control, China's current leaders reveal their anxiety about functions of the old danwei system. By struggling to retain the danwei as an tory. We can see in such attempts a last-ditch attempt to restore some of the the union and the Communist Youth League).37 There should be both a "cenleast 1 percent of total personnel should be in full-time party work (not including personnel devoted to party tasks were re-established, including a directive that at to be eliminated or amalgamated with administrative organs; specific quotas for tain standards of party representation in the enterprise: the party offices were not no. 9 of 1990, published by the Central Organization Department, decreed cerdent, central leaders tried to re-establish party organs in the enterprise. Document lence about giving up political control. After the June 4, 1989 Tiananmen inci-Second, progress in dismantling the danwei system is hindered by ambiva-

Third, China's continuing administrative weakness will retard attempts to

cumstances, over the next several years the danwei will continue to be signifinational unification and regularization of the pension system.³⁸ Under these cirexistence of such a fund then gives the local government an incentive to resist to manage those funds. This is to the advantage of the local government, and the tive, and foreign-owned enterprises must establish new, locally controlled bodies as funds accumulate in pension funds, struggles break out to control those funds. across provincial (or sometimes municipal) boundaries. Perhaps more crucially, cant, albeit less so. Local governments that implement unified pension funds covering state, collecsecurity programs are not uniform. Thus pension benefits are still not portable rity system. At the same time, local experimentation also means that social experimentation can help determine the best form for the emerging social secucult and paradoxical situation. Local implementation has the benefit that local the national government's administrative capabilities. But it also creates a diffiunited system gradually. This choice probably reflects a realistic assessment of social security system in local areas first and intends to build up to a nationally social security ought to be a national policy. China has, however, implemented a ions nationwide. As an insurance program, and a key element of social equity pension programs should be instituted at the national level, with uniform provisplementation of the pension system. Expert advise is in complete agreement that dispense with the danwei altogether. This is particularly evident in the im-

Notes

statistical yearbook 1995] (Beijing: Zhongguo tongji chubanshe, 1995), 84. System, 1949-1979 (New York: Praeger, 1981), 38; Zhongguo tongji nianjian [China 1. The number of workers in state-owned and urban collective units jumped from 16 million in 1952 to 31 million in 1957. Of the 31 million urban workers in 1957, only 11.5 million were covered by labor insurance programs. See John Dixon, The Chinese Welfare

ants: The Anthropology of a Revolution (New York: Cambridge University Press, 1990) 139 (September 1994): 644-68. "The Origins and Social Consequences of China's Hukou System," China Quarterly, no China Quarterly, no. 139 (September 1994): 669-98; Cheng Tiejun and Mark Selden The Position of Peasants in Modern China's Social Order," chapter 15 of China's Peas-Harry Xiaoying Wu, "Rural to Urban Migration in the People's Republic of China," 2. Sulamith Potter and Jack M. Potter, "A Caste-like System of Social Stratification

graduates were routinely assigned work in the Soviet Union. Chen Jiyuan (New York: Oxford University Press, 1987), 109. By contrast, only college terly, no. 140 (December 1994): 973; David Granick, "The Industrial Environment in China and the CMEA Countries," in China's Industrial Reform, ed. Gene Tidrick and 3. Yanjie Bian, "Guanxi and the Allocation of Urban Jobs in China," China Quar-

either through voluntary choice or job reassignment. Zhongguo laodong tongji niunjian labor mobility because they do not cover workers changing jobs within the state sector. 1993), 318. The categories of tuizhi and tingzhi (resign or discharge and suspension 1993 [Yearbook of labor statistics of China] (Beijing: Zhongguo laodong chubanshe. 4. The numbers, which will be further discussed below, are an incomplete measure of

more job mobility than do state workers as a whole. cluding administrative and nonprofit workers). State enterprise employees have slightly worker or management choice. The measure reported here covers all state workers (in-31,000. However, these categories imply administrative action, rather than voluntary respectively) were almost as important as those who quit or were fired in 1978, with

- 5. Granick, "The Industrial Environment," 110.
- Kozo Yamamura and Yasukichi Yasuba (Stanford: Stanford University Press, 1987). tions," in The Political Economy of Japan. Volume 1: The Domestic Transformation, ed 6. See Kazuo Koike, "Human Resource Development and Labor-Management Rela-
- worker, thus including bonuses and subsidies. industrial economic statistics yearbook] (Beijing: Zhongguo tongji chubanshe), 40-41, 153; State Statistical Bureau, Zhongguo gongve Jingji tongji nianjian 1988 [China [China labor and wages statistical materials] (Beijing: Zhongguo tongji chubanshe, 1987), 1988),48. Note that the measure of wage used here includes all monetary payments to the 8. State Statistical Bureau, Zhongguo laodong gongzi tongji ziliao 1978-1985
- and fringe benefits that a wealthy enterprise can provide. The argument here is by the impoverished enterprise. Even if wage standards are identical between the two, conditions are far better for the worker in the wealthy enterprise because of the access to facilities mid-1960s the average industrial enterprise had achieved at least middle-income status. 9. To this day, there is a substantial distinction between a wealthy enterprise and an
- 10. Barry Naughton, "Industrial Policy During the Cultural Revolution: Military Preparation, Decentralization, and Leaps Forward," in New Perspectives on the Cultural Revolution, ed. William Joseph, Christine Wong, and David Zweig (Cambridge: Harvard
- rior," China Quarterly, no. 115 (September 1988). University Press, 1991).

 11. Ibid., and idem., "The Third Front: Defense Industrialization in the Chinese Inte-
- ton: Allen and Unwin, 1986). Unions: Their Development in the 1970s (Cambridge: Cambridge University Press, their involvement in social insurance administration and social benefits delivery, see Emily Clark Brown, Soviet Trade Unions and Labor Relations (Cambridge: Harvard 1981); and Alex Pravda and Blair Ruble, eds., Trade Unions in Communist States (Bos-University Press, 1966), especially 125-28 and 163-68; Blair Ruble, Soviet Trade 12. On labor unions in the Soviet Union and other Soviet-style economies, especially
- 13. Jeanne L. Wilson, "The People's Republic of China," in *Trade Unions in Communist States*, ed. Alex Pravda and Blair Ruble (Boston: Allen and Unwin, 1986), 219, 223.
- University Press, 1986). tion and Leadership of the All-China Federation of Trade Unions (Singapore: Singapore 121-31, 153-54; Lee Lai To, Trade Unions in China 1949 to the Present: The Organiza-14. John Dixon, The Chinese Welfare System, 1949-1979 (New York: Praeger, 1981),
- (Beijing: Renmin chubanshe, 1985), 16. 15. State Economic Commission, Guanghui de chengjiu [Glorious accomplishment]
- jing: Zhongguo tongji chubanshe, 1987), vol. 1, 204, 608, 624. gongheguo 1985 nian gongye pucha ziliao [Industrial census materials of the PRC] (Bei-16. Industrial Census Leadership Small State Council Group, Zhonghua renmin
- 17. Zhongguo shehui tongji ziliao [Social statistical materials] 1987 (Beijing: Zhongguo tongji chubanshe, 1987), 91. Not all these enterprises are in large cities.

 18. Ding Yang, "A Mainland Cadre's Impressions of Hong Kong after Three
- Months," Zheng ming, no. 3 (1983): 77.
- Style" (paper presented at the International Conference on Management in China Today, Max Boisot, and Xing Guoliang, "The Nature of Managerial Work---Chinese

All the Colors of the Rainbow (Beijing: Panda, 1985). industrial manager emerges in the fictional portrayals of Jiang Zilong. See Jiang Zilong. Leuven, Belgium, June 19-21, 1988). A similar picture of the daily activities of an

- ment and testing sections, but had not been permitted to do so (Interview file 90C57) 20. A Chengdu firm interviewed in 1990 had attempted to consolidate their measure-
- 21. Boisot and Xing, "The Nature of Managerial Work."
- the plan was about right, and 37 percent wanted a larger plan; 26 percent thought that independent sales were about right, and 39 percent wanted a smaller sales responsibility. "The Opinions of Managers of Large and Medium-Size Enterprises on Several Problems of Reform," *Tongji*, no. 3 [1987]: 32–33). Thirty-three percent of respondents thought that right to independently sell a greater proportion of output (Liaoning Statistical Bureau, margins; only 22 percent wanted a smaller production plan; and 29 percent wanted the thought that prices should continue to be controlled or allowed to float within narrow generally favor enhanced autonomy for the enterprise. The vast majority of managers 22. These opinions were the more remarkable in that this group of managers did not
- cities in the late 1970s. By the mid-1980s, most of them had left the countryside. "re-educated by peasants." After some years, these resettled youths began to return to the 23. During the Cultural Revolution, urban youths were sent to the countryside to be
- of the late 1970s, since the provisions for replacement already existed. However, they did 24. The cross-generational link was implicitly there before the large-scale retirements
- 25. According to household surveys (*Zhongguo tongji nianjian 1995* [China statistical yearbook] [Beijing: Zhongguo tongji chubanshe, 1995], 257). not become real until a significant number of workers actually retired.
- 26. Zhongguo tongji nianjian 1994 [China statistical yearbook] (Beijing: Zhongguo tongji chubanshe, 1994), 100. See also Deborah Davis, "Job Mobility in Post-Mao Cities:
- 352-53; 1995: 400. Tom Rawski generously lent me some of these yearbooks.

 28. State Statistical Bureau, "Woguo jiuye jiegou de zhidu bianhua" [Ten major cal materials] (Beijing: Zhongguo tongji chubanshe, 1988), 40, 67; Zhongguo laodong tongji nianjian 1990 [Yearbook of labor statistics of China] (Beijing: Zhongguo laodong chubanshe), 79, 88-90, 204, 217; 1991: 295-96; 1992: 331-32; 1993: 301, 318; 1994 Increases on the Margin," China Quarterly, no. 132 (December 1992): 1062-85.

 27. Zhongguo laodong gongzi tongji ziliao 1978-1987 [China labor and wage statisti-
- nantly foreign-invested) firms, and 20 percent in private and individual firms. Bureau also reports that mobility rates are 6.3 percent in "other ownership" (predomi-Reshapes Labor," China Daily-Business Week, October 23-29, 1994. The Statistical the figures cited above. The report is described in Lu Hongyong, "Booming Economy definitions have been used to compute the mobility rate. Nonetheless, it is consistent with nately, the report does not provide sufficient detail for us to understand exactly what changes in China's employment structure] (Beijing: mimeo, October 1994). Unfortu-
- 1993 (New York: Cambridge University Press, 1995). 29. Barry Naughton, Growing Out of the Plan: Chinese Economic Reform, 1978.
- 30. 1994 Statistical Yearbook of China (Beijing: Zhongguo tongji chubanshe, 1994)
- Added Chains," Sloan Management Review (summer 1985): 15-28; (fall 1985): 27-28. 31. Bruce Kogut, "Designing Global Strategies: Comparative and Competitive Value-
- 32. Alfred D. Chandler, Jr., "The Emergence of Managerial Capitalism" in The Coming of
- Managerial Capitalism, ed. Chandler and Richard Tedlow (Homewood, Illinois: Irwin, 1985). form in China," Journal of Japanese and International Economies 1 (1987): 31-61 33. Ryutaro Komiya, "Japanese Firms, Chinese Firms: Problems for Economic Re-
- 34. Theodore Groves, Hong Yongmiao, John McMillan, and Barry Naughton, "Au

tonomy and Incentives in Chinese State Enterprises," Quarterly Journal of Economics 109, no. 1 (February 1994); idem., "China's Evolving Managerial Labor Market," Journal of Political Economy 103, no. 4 (August 1995): 873–82; Gary Jefferson, and Thomas Rawski, "Enterprise Reform in Chinese Industry," Journal of Economic Perspectives 8, no. 2 (spring 1994): 47-70.

the rate of inflation, so these pension reserves were declining in value. Small wonder that 35. Lu Hongyong, "Workers Funding Pension Reserve," China Daily--Business Week, October 23-29, 1994. Unfortunately, treasury bonds paid interest at rates below

the Link Between Employers and Benefits," China Business Review (January-February

enterprises preferred to pay funds to their workers directly.

36. Anne Stevenson-Yang, "Re-vamping the Welfare State: China Aims to Weaken

37. Interview file 90C71.

1996): 8–17.

38. Jean-François Huchet, "Retraites et transition en Chine: vers l'établissement d'un système national de protection sociale?" (Tokyo: Maison Franco-Japonaise, 1996).