The Organizational Revolution and the managerial class

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Capitalism would only turn managerial and developmental in the 1940s, after the Great Depression, but the rise of the managerial class begins in the turn of the nineteenth to the twentieth century, when a main historical new fact, the Organizational Revolution gave rise to the great corporations and the basic unit of production ceased to be the family enterprise to become the private corporations. In liberal capitalism the entrepreneurs were in the centre of the stage. This was the time in the US of the "robbers barons" – the "heroes" that created monopolies, innovated, commanded the economic development of country from the Civil War to the Great Depression. I refer to entrepreneurs like Andrew Mellon (oil and finance), Andrew Carnegie (steel), John D. Rockefeller (oil) and Cornelius Vanderbilt (railroads, water transport). They engaged in unethical and illegal business practices, but they imposed some order (monopoly) in an economic chaos. In the three initial decades of the twentieth century, a paradigmatic entrepreneur, Henry Ford, became an emblematic figure with his proposal of a mass consumption capitalism, while a first top manager, Alfred P. Sloan entered the history of the US by managing General Motors and devising the matrixial model of business organization. Later, already in the time of Managerial or Developmental Capitalism, other managers also turned key figures of their time. I refer, for instance, to Charlie Wilson, former GM CEO who famously said "What's good GM is good for America" and later became secretary of defence to President Eisenhower, and John F. Welch Jr, who was chairman and CEO of General Electric between 1981 and 2001.

The Organizational Revolution (usually called Second Industrial Revolution) triggered the emergence in the rich world of a third major social class besides the capitalist and the popular classes – the managerial or professional class. Half century later, with the crash of the New York Stock Exchange in 1929 and the Great Depression of the 1930s, the capitalist class lost some power, while economic liberalism lost legitimacy opening room for the rise of the technobureaucratic class and for developmentalism. Not per accident, in 1932, Adolphe Berle and Gardner published the results of a major research on the separation of property from the control of the corporations – the book *The Modern Corporation and Private Property* which founded the studies on the rise of the new social class. This separation opened political room for the new managerial class to become part of the ruling class, an emerging class

sharing power and privilege with the bourgeoisie while competing with it. This was a kind of repetition of the experience of the emerging bourgeoisie which was at the same time an associate and an adversary of the dominant aristocracy. In the turn of the nineteenth to the twentieth century, the Second Industrial Revolution – the start of electricity, the combustion engine, the assembly line, and scientific management, which took place – gave rise to the great private corporations. Since then, a private and a public managerial class is emerging in the corporations, the expanding state organization, and the international organizations.

While the Organizational Revolution paved the way to the rise of the managerial class, a political revolution also had also happened in the turn of the century – the Democratic Revolution – the moment in which the first modern democracies turn reality as the more advanced countries adopt the universal suffrage. Before that, in liberal capitalism, advanced countries already assured the civil rights and the rule of law but rejected the universal suffrage. After almost a century of political fights waged by the popular classes and the socialdemocratic political parties in favour of the extension of the voting power to all, finally the universal suffrage was achieved – only a masculine suffrage. In this way, the two minimum requirements for a political regime to be called a democracy (the guarantee of civil rights and the universal suffrage) were satisfied. In the next chapter I will discuss this revolution which gave rise to the present consolidated democracies in the more advanced capitalist countries. Democracies are always incomplete, always threatened, decadent in certain cases, but anyway consolidated and thriving democracies which exist for more than a hundred years. In the next chapter I will discuss the Democratic Revolution.

In the 1970s I published by two basic papers on the rise of the new class.¹ In the 1972 essay on the rise of the managerial class I used rather the Marxist concept of social class than the functionalist concept of social strata, but I didn't discuss the respective new relation of production. I would make this in my second essay on the technobureaucratic or managerial mode of production, which, in the communist countries, turned statist. In the two essays, which were not published in English, my basic contention was the transition from capitalism to the managerialism was a necessary consequence of the change of the strategic factor of production from capital to technical and organizational knowledge. Yet, in the 1990s, I saw that capital had recovered its influence – now represented by the rentier capitalists and the financiers - and I have moderated my prediction on the rise of the managerial class and the change in the e form of the social organization form capitalist to managerial. Now, in writing this book, I realized the reactionary and short-lived character of rentiers-financiers' capitalism and was back to my original view. I will discuss that in last chapter of this book in which I try to predict what comes next to the present crisis of rentier-financiers' neoliberal Capitalism.

The rise of a new class

The rise of the managerial or professional class was gradual process in capitalist countries. A gradual and successful process, while was a radical

change in Russia where it was born from the 1917 revolution – originally a socialist revolution but soon had no alternative but change into statism and fail. In the advanced countries, the managerial class rose in the private corporations, but it also prospered in the state as it increased after the Great Depression to become a welfare and developmental state. Today, it is a considerable force in all capitalist countries, holding sway in government and corporate enterprise. Before the 1980, it seemed that the managerial class would inevitably become the main dominant class, but the Neoliberal Turn stopped for some time this historical transition. The rentier-financier class coalition and the neoliberal ideology that turn dominant around this year was not only oriented the popular classes and their wages but also to the technobureaucratic class and its association with the ideas of planning and management.

The causes behind

Many new historical facts explain the rise of the managerial class and a second developmentalism in advanced countries - managers' sociodevelopmental capitalism, which is also called the Golden Years of capitalism. Four of them are worth emphasizing: First, the Organizational Revolution – the moment when the basic unit of production ceased to be the family, or the family enterprise to become the bureaucratic organizations – the modern corporations. This means that most production, except agricultural, is no longer conducted mainly by an informal social system (the family itself or family businesses) but carried out mainly by bureaucratic organizations managed according to criteria of efficiency. Such predominance could only be possible if there were a series of technical and administrative developments making large scale production more efficient like the assembly line, automated production by continuous process, automated production controlled by computers as the Japanese "just in time" system² and robotized production; the introduction of specific technologies, such as blast furnaces in modern steel production that demand very high minimal investments; the development of organizational techniques such as the model of functional-decentralized or matrixial organization created by Alfred Sloan in the beginning of the twentieth century and classically described by Alfred Chandler (1962); the development of additional administrative techniques such as management by objectives, administrative competition among divisions of the same corporation, integration between assembly companies and suppliers as the just-in-time technique; the development of digital information systems, and the establishment of internationally known brands through advertising.

Second, following Adolphe Berle and Gardiner Means (1932), the rise of the new class derived from the *separation* between control and ownership, or, more precisely, the separation between management and ownership, i.e., the profissionalization of the corporations, as professionals replaced business entrepreneurs in their management. Several studies followed confirming this view.³ Other studies, such as those of Maurice Zeitlin (1974), which emphasizes minority control, Jorge Niosi (1980) on Canadian companies, and John Scott (1979) on Scottish corporations, rejected the managerial thesis but they didn't succeed in proving false the historical tendency shown by Berle and Means.

The separation of ownership and management in the large corporations is today consensual. Doubtlessly the hurried conclusion that capitalists have lost *all* their power to managers is untenable. The top executives replaced the business entrepreneurs in the management of the corporations, not in their ownership. This second separation would happen only when, after the Neoliberal Turn, the rentier capitalists turn for some time the ruling class. As Scott and Zeitlin both emphasize, control through a "constellation of interests" and through minority control, where a group of shareholders maintains effective control of the corporation, remain important. Even when there is effective management control, the managers are still formally the representatives of the shareholders. Moreover, the logic of their action does not fully change, since the corporations operate in a capitalist market and must realize a satisfying profit. But change is eventually big – change in the way corporations are managed, their objectives, on how much emphasis is given to profits or to dividends.

Third, technical and organizational knowledge have become the new strategic factor of production, supported by intellectual rather than practical knowledge. According to John K. Galbraith (1967), power belongs to whoever has control over the factor of production that is scarce at the margin. Given this definition, the new strategic factor of production is obviously technical and organizational knowledge. Daniel Bell (1973), in turn, noted that technological innovation no longer has a dominant empirical foundation. Theoretical or scientific knowledge now has become more important for entrepreneurial decision-making. These two new historical facts are linked. On the one hand, new techniques save more and more capital and are more technologically sophisticated. As a result, the price of capital goods falls in relation to their productive capacity while the technical knowledge incorporated in them becomes more sophisticated. In the computer industry, for instance, hardware has become cheaper while software has become more important. On the other hand, this technical development begins to no longer have only empirical bases. Until the end of the nineteenth century, for example, decisive innovations such as electricity and the telephone had only an empirical base. Today, it is almost impossible to have an important technological advance without a solid scientific base.

Forth, economic development has become on explicit goal of modern societies, and the state has taken on the main responsibility for the fulfilment of this goal. Marx once said that historically people establish objectives for themselves when they have a chance of achieving them. This is particularly true in relation to economic development. It was only in the second part of the twentieth century that economic growth became an explicit and major objective of societies. This was possible when modern society understood that, through the deliberate action of the state, through long term economic and social policies it was possible to promote growth, the increase of the standards of living and some reduction in inequality. Before that, in the end of last century, the major role of the state in promoting capitalist economic growth was demonstrated in the cases of Germany and Japan. Analysing the backward industrialization of Eastern Europe in this period, Gerschenkron (1962) developed a theory according to which the later the industrialization in relation to England's and US' industrial revolution, the larger will be the role of the state. In the 1930s Keynesian economics and, in the 1940's and 1950's, development

economics endowed countries of practical policies to achieve economic stability and growth.

These four historical facts explain the rise of the managerial class and the configuration of the social, democratic, and developmental Golden Years. In the words of Alfred Chandler (1977), the "visible hand" of management had partially replaced the invisible hand of the market.

Managerial or knowledge capitalism

I call the new class the managerial, or technobureaucratic or professional class and the social formation in which this new social class is part of the ruling class at the side of the capitalist class, managerial capitalism or knowledge capitalism. It is managerial because the managers or professionals, or technobureaucrats (I use these words as synonyms) are in the centre of the stage, the manage the organizations, they have technical expertise, they are professionals that combine technical and administrative knowledge; professional, because they are experts with professional training. It a knowledge capitalism because, as Galbraith showed in his book on American capitalism, The New Industrial State (1967), knowledge replaced capital as the new strategic factor of production, but capitalists and professionals remained the two ruling social classes. From the Second World War, the world experienced unprecedent technological development – the Information Revolution – which continues and gains momentum in the twenty-first century. I understand that managerial and knowledge Capitalism are identical, but we may view knowledge capitalism as the second stage of the rise of managerial capitalism as it supposes corporations where professional managers are in command but where the information experts are network connected and would have higher weight in changing capitalism. Managerial capitalism emerged in the framework of the Organizational Revolution, while knowledge capitalism, in the framework of the Information Revolution. When I say Managerial, I am emphasizing the new social class; when I say Knowledge Capitalism, I am adopting as the criterion the strategic factor of production in modern societies - knowledge - which, with the information and commodity technology revolution gained a spectacular pace and dimension. Knowledge capitalism is originated from John Kenneth Galbraith's (1967) identification of knowledge as the new strategic factor of production, and from Peter Drucker's (1968) proposal of calling contemporary capitalist societies, the "knowledge society". In fact, knowledge has empowered its holders from the turn of the nineteenth to the twentieth century, but the Information Revolution produced an extraordinary increase in the amount of information available and allowed a new and significant advance in the process of robotization and the development of artificial intelligence. With the Neoliberal Turn, neoliberals attacked technobureaucrats and organized capitalism, not the experts endowed of managerial and technological knowledge. Making this distinction, we could have a managerial phase, which had behind the rise of great corporations and the rise and complexity of the business management literature, from a knowledge phase founded in information technology.

In the time of Marx and entrepreneurs' capitalism, capital was essentially and effectively the strategic factor of production and the accumulation of material capital was the dynamic factor of development. Not anymore in knowledge capitalism. The introduction of digital technology represented a qualitative jump which was decisive to the old mechanical technology. The mastery of technology by a relatively reduced number of men and women conferred increasing importance upon their highly specialized work, while we have now to distinguish material from "immaterial" or "intangible" capital – the later one understood as human capital, research and development, and intellectual property. Following Abramovitz and David (1996), who used the concept of total factor productivity as a tool to distinguish how much the increase of productivity was originated from capital or from technology, the later that we can understand as knowledge capital represented around 70 percent of the increase of productivity in the US. The concept of a "knowledgebased economy" or even of "intellectual capitalism", which Galbraith and Peter Drucker introduced, received more recently the contribution of economists and sociologists associated with the French regulation school, among whom Carlos Vercellone, Mouhoud El Mouhoud, Yann Moulier-Boutang, and El Mouhoud and Plihon. These studies show why knowledge has become even more strategic than before. The pace of scientific discovery applicable to production is increasing geometrically. El Mouhoub pointed out that knowledge capitalism followed Fordism and remarked that knowledge capitalism is associated with an increase in immaterial consumption, and especially a "cognitive productive logic" that would not have replaced, but added to the Taylorist logic, which, in turn, would have also changed, becoming more flexible. He concluded: "knowledge becomes the primordial input: its production and its control obey a cumulative logic that engenders growing inequalities between individuals and between territories." El Mouhoud and Plihon argued despite the radical financial speculation to which financialization is associated, "the financial systems have allowed to valorise and to finance the knowledge economy". The stock exchanges channelled financiers' capital to today's major digital companies and platforms - Google, Facebook, Amazon, Alibaba, Microsoft, Apple, Huawey, Netflix, Tencent – assuring them capital while they were not making profits, but the expected profit rate and expected valorisation of its capital were huge. 4

Whereas at the beginning of the First Industrial Revolution, machines were simple imitations of manual production processes, and production techniques were extremely simplified, so that workers with only elementary education could master them, after the Second Industrial Revolution (which coincided with the Organizational Revolution), the new machines required engineers to control them. With the Third Industrial Revolution or Information Revolution, they turned so complex that not even engineers educated in institutes of higher education can deal with the task, which often requires highly specialized engineers and scientists formed in graduate programs which are supposed to work as a team of technical expert. In a first phase, the Information Revolution was the revolution of the computer, the personal notebooks, and automation; in a second phase, the revolution of the internet, the great digital platforms, the Wikipedia, nanotechnology, quantum computing, the internet of things, autonomous vehicles and artificial intelligence.

In a report by the United Nations Department of Economic and Social Affairs (2005) the idea of a knowledge society characterized by the "mass production of knowledge" is present, but it is debatable that the revolution in information technology and communication has produced so much knowledge - what was massively produced was information, was big data. The technological revolution represented by information technology and the internet was remarkable, but historically we know that since capitalism was born, it was characterized by accelerated technical progress. The fact that this progress has been for some time spectacular regarding information and communication and that the production of intangible goods or marketable "content" has become a reality is impressive but has not changed the nature of capitalism. The greater importance of technologically sophisticated services that require more knowledge has occurred, but the nature of the managerialcapitalist corporations remains the same. They are organizations which are owned by capitalists entitled to dividends but managed and controlled collectively by its managers who are remunerated by salaries and bonuses. They are corporations focused on capitalist profit and managerial expansion of bureaucratic positions. And the fact that capital accumulation incorporating technical progress is the condition of survival of firms in the markets is present equally in managerial and knowledge capitalism. In the phases of capitalism that I discussed in Chapter 1 of this book, the main classification criterions were the strategic factors of production and the class coalitions; thus, I didn't separate the two phases. The networked community of information technology is a relevant social group but cannot be viewed as a social class. On the other hand, the same strategic factor of production - managerial knowledge and technological knowledge – defines managerial as well as knowledge capitalism.

The Information Revolution is far from having come to an end. It continues to change everything and to impulse the rise of the professional class. The works of Randall Collins (2013) and Paul Mason (2013) among many others emphasizes this fact. The Neoliberal Turn reduced the political influence of technobureaucrats, not their economic and social relevance. This is one of the explanations for the emergence of democratic managerialism that I will discuss in the last chapter of this book.

The next ruling class is a third new class

The fact that was not the working class but the managerial class that is replacing the bourgeoisie in the command of societies is not so surprising if we consider that, historically, the dominated class does not become the ruling class in the following mode of production. Slaves did not become masters after the slavery empires collapsed, nor did the serfs become the rulers after capitalism replaced feudalism. The new dominant group generally arises from a class apart, a "third" group that differentiates itself from the rest of the dominated class. If this third group assumes the control of the new strategic factor of production that is emerging, it will become the new ruling class in the new mode of production. In the passage of feudalism to capitalism the bourgeoisie was a third class that originated in the serfs of the feudal estate. Around the tenth century, as France, England and Belgium developed a technology that

turned efficient agriculture in high lands, they created an economic surplus that allowed for the construction of the medieval cathedrals, the development of trade, and the emergence of bourgeoisie, which set itself apart from the serfs, defining its own area within the structure of production and creating a differentiated socio-economic group, adopting values, beliefs, customs and patterns of its own. This bourgeoisie was far from being the dominated class. It served the aristocracy while it strengthened itself politically and economically. Economic interests took precedence over political ones, but both finally converged. Class-struggle took place between the emerging bourgeoisie and the decadent aristocracy, but this struggle was not always clear or well-defined. On many occasions, the bourgeoisie actively cooperated with the aristocracy to the extent that this cooperation served its interest. For the formation of the nation-states, the absolute state was, essentially, the materialization of a class coalition associating the monarch, the patrimonialist courtesans, and the high bourgeoisie.

In the transition to managers' socio-developmental capitalism, not only active capitalists, the entrepreneurs lost relative power; the working class also. As the process of mechanization and automation advances, the number of unskilled workers in the manufacturing industry diminishes in relative and absolute terms. This one of the reasons why we have witnessed since the beginning of the twentieth century the decline of the working class, while managers replaced business entrepreneurs in the management of the corporations. In this transition of phase, as already had happened in the transition from mercantilist to entrepreneurs' liberal capitalism, the role of intellectuals was important. In the first transition, Miroslav Hroch argues the nationalist intellectuals were particularly relevant in the formation of the nation-states.⁵ Many intellectuals also participated from the rise of managerial class, but few have turned ideologues of the new reality. Managerialism was not a utopia and attracted progressive intellectuals much less than socialism. Liberals rejected it because it was associated to developmentalism, that is, to a moderate intervention of the state in the economy that the more radicals call "socialism". Socialists rejected it because what they expected and worked for the socialist revolution. In the las 150 years, the most generous and morally legitimate aspirations of a great number of intellectuals have been devoted to the cause of socialism.

The century of the middle class

According to the Marxist tradition, social classes are defined by the relations of production – in capitalism, by capital. Thus, we would have only two social classes, the bourgeoisie and the working class, and the class struggle together with technical progress would be the the dynamic factors behind the historical process. Yet, things became more complex as the managerial class emerged. The response given by the American functionalist sociology of Talcott Parsons and Lloyd Warner was a class theory identified as social strata or social layers, having as reference Max Weber. Social classes would, really, be social layers not defined by the relations of production but by income, education and social prestige. Although the two theories diverge in ideological

terms because one assumes the class struggle and the socialist revolution, the other social, cooperation and a capitalist society of mass consumption, it is possible to combine them to have a better understanding of the social structure of modern societies. Within the three social classes there are layers – an upper and a lower layer: within the bourgeoisie – a higher and a lower capitalist class, the latter, a capitalist middle-class; within the managerial class, a top and a lower managerial class, respectively the upper or new and the low middle-class; and within the popular classes, the working class and the poor. Erik Olin Wright, who studied extensively social classes on a Marxist point of view, observed class analysis should include the structural complexity of modern societies, in special the middle-classes.⁷

While the nineteenth century was the century of the working class and of the idea of socialism, the twentieth century was the century of the middle-class and the reality of managerialism. Göran Therborn suggested recently the twentieth century was the century of the "middle-class dream" – of a social class defined by its consumption, not its relations of production, which would be a warrant of democracy and political moderation. The nineteenth century, besides a century of the working class, was also the century of a small upper middle-class – of the university educated middle bourgeoisie that, in 1829, James Mill defined as "the most wise and the most virtuous part of the community". The twentieth century was the time of the new middle-class – the managerial class.

In each social formation the ruling classes searches to monopolize political power and to appropriate the economic surplus, and, in this way, to reproduce indefinitely the social system. In the pre-capitalist societies, the oligarchy appropriated the economic surplus by controlling directly the state, while in capitalism Marx showed that profits are achieved in the market through the exchange of "equivalent values" – through the exchange of labour force for wages and the realization of profits. In managerial capitalism, high salaries and bonuses are and additional means to such appropriation.

The post-war Golden Years were the great moment of the managerial middle-classes in advanced countries. As Olivier Zunz (2002: 2) remarked, it was the moment when the "social contracts" were headed to a major advance of the middle-classes through "the merging of the working and the middleclasses into a large although differentiated middle-class". Under a different point-of-view but considering the increasing complexity of the social structure, Klaus Eder understands that we are seeing "the increasing decoupling of class and collective action". He does not mean that social classes have become politically irrelevant in modern capitalism, nor that collective action turned independent from the class structure. He argues that "culture", which he defines as "any kind of symbolic expression that makes sense of the world, of society, and of oneself", is the intervening variable between class and political action.9 Eder is not adding something really new to class theory. His definition of culture corresponds to the definition of ideology, as we know well since the definitive contribution of Marx and Engels in *The German Ideology* (1846) and of Gramsci in the Prison Notebooks (1934). Eder brings Pierre Bourdieu and his theory of social classes to the fore. Bourdieu defines the dominant class by the ownership of cultural and economic capital and for a refined aesthetic taste which is expressed in the ability of each individual and his family, given its

cultural capital and education, to conceive the world in terms of the distance from a lower and less prestigious social class – an approach which combines the Marxist and the functionalist theory of social class. Jean Lojkine is critical of Bourdieu on that matter. For him, the notion of "cultural capital", that Bourdieu uses, reduces the working class to consumers and to a question of income distribution; and adds that "the old class frameworks of social representation do not hold anymore; 'working class', 'managers', middle-class - these categories don't explain satisfactorily the imbrications of the working class and the rest of the salaried classes with the information technology and the process of precarization of labour". ¹⁰ Indeed, technological change, class struggle as well as identity struggles and the demand for recognition are permanently changing social classes. The emigration of the poor to advanced countries, for instance, which accelerated in the 1990s,11 has had this transformative character; it involved change of the class identities and the crisis of the social democratic political parties, as part of the working class' fear of losing their jobs either to immigrants or due to difficulty of the local companies to compete with firms of low-wage developing countries. Dylan Riley is equally critical. For him Bourdieu is a "new Durkheim" who "misunderstands the program of Marxist political sociology." He associates the social classes to a key concept of his sociology, the habitus – a system of dispositions and practical competences which derives from the volume and structure of the capital the individual owns. But, for Ryley, given the absence of a clear concept of class, any difference in taste that accompanies any social dimension recorded in Bourdieu's surveys becomes evidence of the class difference in habitus. 12

Marx's structuralist concept of social classes is permanently under trial as the social and economic conditions are permanently changing, but class theory keeps predictive power for its simplicity and the way it relates political behaviour, economic interests and the forms of property. Yet, the social structure of contemporary capitalism is not just economic; there are also hierarchies of prestige, stiles of life, and the position occupied by each individual in the public and private organizations. Major sociologists searched to give to their class analysis these additional dimensions. Norbert Elias worked with the concept of "etiquette" and Bourdieu, with the concept of "habitus", which enriched sociology; they showed how the elites distinguish themselves from the rest. Also, to the extent that we define a new mode of production – managerialism – and organization as the respective relation of production, what I will do in the next chapter, we have an structural explanation for the managerial class, and the class approach gains complexity and additional explicative power of political behaviour. Besides, we have fractions in each social class. Thus, we have no alternative than to combine class and strata analysis. In the capitalist class we have the top and the middle entrepreneurs and the top and the middle rentiers; in the managerial class, top and middle professionals; and in the working class, the middle and low qualified working class. The professionals with university education and the middle entrepreneurs compose the upper middle-class or "traditional middle-class", which tends to be associated to the top capitalist class. This, however, is not the only truth. In France, the middle-class public servants and intellectuals, who are part of the professional class, show often a greater commitment with the demand for equality and with the centre-left tradition than the popular classes.¹³

The major survey of the British social structure that Mike Savage conduced in 2011, reflected this complexity. From the survey came out seven social which are resumed in Table 2.1. He used income, economic capital, social contacts or social capital, and cultural capital as criteria to distinguish the social strata. In the elite, the main participants are the chief executive officers and the information technology managers; in the established middle-class, the engineers and the public servants; in the technical middle-class, the medical radiographers, aircraft pilots and higher education teachers; in the emerging service workers, the health care personnel, the chefs and the assembler and routine operatives; in the new affluent workers, the checkout operatives, the electricians, the sales and retail assistants; in the traditional working class, the secretaries, the electric and electronic technicians, and the care workers; and in precariat, the cleaners and van drivers. In this classification, the managerial class is present in the three first groups but mixed with the bourgeoisie.

Table 2.1: British class structure in 2011

Social class	Population	Description
	%	
Elite	6	Very high economic / very cultural capital
		/ high social contacts
Established middle	25	High economic capital / high social
class		contacts / emerging cultural capital
Technical middle	6	High economic capital / very high social
class		contacts / moderate cultural capital
Emergent service	19	Moderately poor economic capital and
workers		social contacts / high cultural capital
New affluent workers	15	Moderately good capital, moderately poor
		social contacts, emerging cultural capital
Traditional working	14	Moderately poor economic capital / poor
class		social contacts and cultural capital
Precariat	15	Poor economic contact and lowest in the
		other two criteria

Source: Savage et al. (2013: 230).

The middle-class plays a major role in stabilizing capitalism as it breaks up the classical opposition between the rich and the poor, or the capitalist opposition between the capitalists and the workers. A solid or organic society is a society that has a large middle-class. Since the industrial revolution, the rise of the middle-class – in the nineteenth century a middle-class of entrepreneurs, in the twentieth century, a middle-class of managers – is an explanation for the resilience of capitalism despite the inequalities that go together with it. But when inequality increases dramatically as it happened in the advanced countries and particularly in the US in the Neoliberal Years of Capitalism, the middle-class shrinks, discontent mounts, and society turns divided and suffers an endemic crisis. Peter Temin, who wrote a book with a significative title, *The Vanishing Middle-class*, shows that "the middle-class defined as the households earning from two-thirds to double of the median American household income, went from earning over three-fifths of total national income in 1970 to earning

only just two-fifths in 2014". He uses these data to conclude that the American society turned a "dual" or high polarized society, and in the end of the book he adds information on the other countries where we can see the same phenomenon, although less accentuated than in the US.

To understand contemporary capitalism, we must consider the middle-class, which would be more appropriate to call middle-layer. Robert Perrucci and Earl Wyson, who wrote an excellent book on social classes in the US, decided to divide the American society just in two social class, the privileged class, comprising the 20 per cent richer families and owning 91 per cent of the financial wealth in the country, and the working-class, comprising the 80 per cent of Americans but owning just 9 per cent of the financial wealth. In doing that, they got rid of the "middle-class", which may convey the idea of a well-ordered society where the middle-class is a large stratum that "encourages the acceptance of the enormous material inequality existing in American society", while searches to maintain alive the false "American dream" of a society endowed of high social mobility in which "everyone may become rich and famous." Recently, Göran Therborn confirmed critically this view and added: "in today's discussion, the middle-classes are overwhelming defined in terms of consumption... never with refence to labour." ¹⁶

Capital and organization

The rise of the managerial class was the object of much debate in the 1970s. Marxists refused the idea of a new class not foreseen by Marx, either because they did not accept that the communist countries had become statist, or because they were reluctant in admitting that a new class had interposed itself between the capitalist and the working class. In practice, the Soviet statism collapsed, while within capitalism the new class became an undeniable reality. Paul Sweezy rejected "the illusion of the managerial revolution" (1942), but in *The* Post-Revolutionary Society he adopted a more realistic position. In this book, where he acknowledges the existence of a new ruling class in the Soviet Union, based on control of the state organization (1980: 147), Sweezy does not make the theoretical link to a corresponding new managerial middle-class in the capitalist countries. Yet, once the emergence of a new class was recognized in the communist societies, it made no sense to deny the existence of a new managerial middle-class in capitalist societies, in the public as well as in the private bureaucratic organizations. Eventually the Marxist position against the rise of a third social class was overcome. The weight of the evidence prevailed over the orthodox belief that the alternative to the bourgeoisie is the proletariat. An expression of this fact is Val Burris' (1980: 18) contention that, "unlike intermediate groups, such as the petty bourgeoisie, this new middle-class does not exist as the receding periphery of capitalist production but emerges within the very centre of capitalist economic relations". Along these same lines, Harry Braverman (1974: 407) has acknowledged the existence of the new middleclass which occupies an intermediary position between the bourgeoisie and the workers in the process of capital accumulation.

With the rise of the managerial class, the bourgeoisie first rejected and finally associated itself with the new class. The substitution of top executives

for business entrepreneurs in the management of the corporations began in early twentieth century, but the capitalist class remained strong for one century. According to Maurice Zeitlin (1989, pp. 7-9), "bureaucratic management does not mean bureaucratic control; it is necessary to consider the control centres at the top of the system or outside the bureaucracy itself. " In managerial capitalism, capitalists and managers share power and privilege and, at the same time, fight with each other to gain a greater share of that power and privilege. They are two distinct classes and not, as Zeitlin suggests, "members of the same social class." For this statement to make sense, it would be necessary to ignore the historical roots of these two social classes, the different relations of production that originate them, and the different logic that animate them – the capitalists, the logic of capital, innovation and profit; the technobureaucrats, the logic of organization, expansion of the number of managerial positions, salaries and bonuses. ¹⁷

Today, the discussion on the new class is over. It is impossible to ignore or reject the emergence of the managerial class and the corresponding relations of production. In capitalism, capital (the private ownership of the means of production) is the specific relation of production; in managerialism the specific relation of production is the "organization" - the collective ownership of the means of production by the professionals. While in capitalism the bourgeoisie is the ruling class, in managerialism the respective ruling class is the managerial class. When a social formation is "purely" managerial, it was "statist". Soviet Union and the other "communist" countries were examples of statism because bourgeoisie had been expropriated and the only ruling class was the professional class. When we have the two ruling classes together in the same social formation, but the capitalist class is the dominant class, we have managerial capitalism. When the managerial cilass turns the leading social class but the bourgeoisie continues to exist, we have managerialism, which, as we will see in the last chapter of this book, will be democratic, as will be the democratic managerialism which is the form managerialism that is emerging in the capitalist countries, or will be authoritarian as already China is.

These claims suppose a new theoretical framework – a theory of managerial capitalism and managerialism in which I have been working from the 1970s. In managerial capitalism, the professional class is part of the ruling class, but the main dominant class continues to be the capitalist class. When this hierarchy is inverted and the dominant class is the managerial class, we have a new social organization or mode or production, managerialism, which, as it happened historically with capitalism, which was never a "pure" capitalism. A "pure" managerialism, in which a revolution expropriated the bourgeoisie, and the only ruling and dominant class is the managerial class didn't exist even in the Soviet Union, but this social formation was so near this condition that I call it a statist social formation. In managerialism, the managerial class is the leading class, but the capitalist class continues present. In capitalism as well as in managerialism the two relations of production are present: "capital", the private property of the means of production by the capitalist class, and "organization", the collective ownership of the means of production by managers. As the strategic factor of production changed from capital to technical and administrative knowledge, the organization is the decisive relation of production. Managerial capitalism was and democratic managerialism will be mixed social formations. "Will be", in the second case, because this depends I am right in believing that the more advanced capitalist countries are now making their transition to democratic managerialism – a contention that I will discuss in the last chapter of this book. The state is a normative and organizational institution, it is the law and the apparatus that guarantees it. In the almost pure statism that existed in Soviet Union, the managerial class controlled alone the state apparatus. In managerial capitalism, the managerial class was the second class, and the capitalist class remained the leading class. In rentier-financiers' neoliberal capitalism, there was an attempt to end with the managerial class, but this was unrealistic.

The professional is a type of expert who manages and "owns" the bureaucratic organizations. In contrast to what happened in liberal nineteenth century capitalism, where the capitalist directly owned the means of production, that is, capital, in managerialism the professional owns not directly the means of production but through the organizations. The organization owns the means of production, the raw materials and the working capital necessary to create jobs, manufacture goods and deliver services. The managers 'ownership, that is, their effective control over the organization, is not exercised individually as in classic capitalism, but collectively, by a group of managers. For some time, neoliberalism interrupted the rise of the managerial class, but since the 2008 financial crisis the managers and state intervention are back, but what is now happening is not a return to managerial capitalism and we are seeing the end of capitalism and the rise of democratic managerialism.

While the logic of capital is the logic of profit and accumulation, the logic of the organization is expansion and the occupation of positions in the state apparatus and the private corporations. The two classes and the two corresponding relations of production are in conflict for power and for the appropriation of the economic surplus, which, in capitalism, is the profit, and in statism, are the high salaries and bonus. They are in conflict, but they know that they are interdependent, and, so, they share power and profits, the professionals more oriented to power and to enlarging the bureaucratic organization, the capitalists, to profit and to luxury consumption. Whereas the capitalist's *raison d'être* is to accumulate capital and extract more surplus value, the manager's basic motivation is to expand the organization.

The organization is an *abstract-concrete* reality, is a web of relations between people and things formally established according to the rational criterion of economic efficiency, is an arena for labour, and a power platform for managers. Marx taught that the foundation on which the capitalist mode of production rests is capital and a reified and fetishized commodity, transformed into a phantasmagorical object. In the case of the managerial mode of production, its foundation lies in Weberian organizational and legal-rational domination. Authority, as it happens with commodity, is transformed into a fetish, despite all its supposed rationality. Managerial alienation is fundamentally an alienation to formal authority. The worker in the capitalist mode of production is alienated from his instruments of labour, from his own labour, and from its fruits, because his labour was transformed into a commodity; the workers and the salaried classes in the managerial mode of production are alienated from his own intelligence and individual abilities because his work is submitted to bureaucratic and fetishized authority. His

labour is no longer a commodity but rather a productive input to be used in the logistic of production. His alienation is founded on the fetish-like nature of authority, which, combined with a system of incentives and sanctions, leads the subordinate to obey the boss. It is significant to observe that this bureaucratic alienation involves not only the workers but also the salaried classes. They are also victims of the fetishist nature of authority, to the extent they obey without knowing why, accepting even irrational superior authority as long as it is "rationally", i.e., legally, formally, defined.

In a 1977 paper already referred I needed a name for the new relation of production proper to the technobureaucratic mode of production that I was defining, and I decided to call it "organization". Forty years later, in 2007, I was happily surprised when I read two distinguished French Marxists, Jacques Bidet and Gérard Duménil to use the word organization as a "means of regulation" specific to managerialism, as the market is the specific institution that regulates capitalism. Capitalism experienced a renovation after Marx that "was supported by devices of organization" which were able to overcome capitalism's anarchy and form organized or managerial capitalism. Our two authors continue: "with the managerial revolution in the US, the ownership of capital under the form of financial capital was separated from its management" which was delegated to the professional managers. Thus, organization is for the managerial class what capital for the bourgeoisie is. Yet, they understand that "the organization is an ambiguous reality, and, so, they propose that the social relation or production parallel to capital is called "managerial relation". 18 More recently, Duménil and Lévy (2018) published the book, managerial capitalism in which they adopt a similar but more radical approach than mine in relation to mode of production that will replace capitalism.¹⁹

It is clear today that statism is not a real alternative to capitalism because it is inefficient, but, as we will see in the last chapter of this book, a managerial social formation where the professional class is the ruling class and developmentalism is form or coordinating capitalism is or may be efficient. In this mixed but dominantly managerial social formation the capitalist class will still be present, and the market will coordinate the competitive sectors of the economy; thus, the policy regime will be developmental. As to the political regime, it will be democratic, because democracy proved lively and strong face the authoritarian challenge of neoliberalism and the even more authoritarian threat of right-wing populism.

The legitimation of the professional is based on her technical competence, her ability to manage organizations efficiently. The technobureaucrat is presumed to be capable of continually increase the efficiency of the organizations she manages. The assumption is that she holds the monopoly of technical, organizational and communicative skill. In a world where the remuneration of capitalists, managers and workers depends upon the overall productivity of the economy, those who demonstrate ability to manage or advise bureaucratic organizations and command the process of capital accumulation and innovation will control a substantial share of the national income. Thus, organization is now a central factor in capitalist societies, side by side with capital. In modern societies, power and income depend on the control of capital and on its management in organizations.

In the late 1970s, while under closed attack of the major neoliberal intellectuals of the time like James Buchanan, Milton Friedman and Fredrich Hayek, managerial capitalism was still dominant. Buchanan led a radical neoliberal theory – the public choice school – which started from the homo economicus to build, using the hypothetic-deductive method, a a "model of state" in which the officials (elected and non-elected) are pure rent seekers. That made them still more adverse to managers of all kinds – public as well as private managers. In the other side of the ideological spectrum, most progressive intellectuals were equally critical of managerial class. More interesting were analyses of Michel Aglietta (1976), Claus Offe (1984, 1985), and Pierre Rosanvallon (1981), who realized the crisis of the welfare state or "organized capitalism" (which corresponds to what I am calling sociodevelopmental managerial capitalism) were, at the same time, a prediction and an early discussion of Neoliberal Turn. The same applies to Scott Lash and John Urry who published in 1987 the book, The End of Organized Capitalism, in which they made an early analysis of the major social change that was happening: the deregulation of labour contracts, the decline in the number of workers in relation to the total population and the number of unionized workers in relation to the force of work, the growing independence of large companies from their nation-states, and the fall of organized capitalism. They criticized managerial capitalism but had difficulty in acknowledging the emergence of a new social class and the respective relation production. They saw in the relative crisis of the 1980s the increasing conflict between the managers and the capitalists.

The changing concept of capital

Marx defined capital as a relation of production which grew out of workers' separation from the means of production and its private ownership by the bourgeoisie. In this definition, the capitalist class is essential. If we don't consider this constraint, "capital" would have been present in Soviet statism and would lose historical significance. Capital would be defined in a so high level of abstraction that it would an empty concept void of historical content. Since Marx defined capital, it was clear that it should not be confused with the means of production or with capital goods. Capital is the *property* of the means of production. Within this broad definition, however, the measure of capital has been changing through time. I am not referring to the complex and inconclusive discussion of the 1960s between the two Cambridges on the value of capital. Economics, in such debates, have got near metaphysics – an approach that does not fit my more historical and pragmatic concerns. I refer to the financial value of capital, the market value of corporations in stock exchanges as financiers are permanently evaluating it. In the times of industrial entrepreneurs' capitalism, up to mid twentieth century, the capital of a business enterprise was measured by its net worth as it appeared in the balance sheets. Some corrections could be made, the value of intangible assets could be considered, the accounting valuation of given capital goods could be adjusted, but, eventually, the value of the enterprise was the sum of total assets less liabilities.

For the first classical economists, capital was *circulating* capital, was essentially the capacity to hire workers by paying them before the result of their labour could be sold in the market. For Marx as well as for neoclassical and Keynesian economists, who lived in a time where fixed capital had become the dominating factor, while pre-paid wages ceased to be required due to the increase in the standards of living, capital was principally the ownership of plant and equipment. In recent times, when software prevails over hardware, and when operational knowledge becomes the strategic factor of production in the corporations displacing capital goods, capital is the *capacity* of the company to achieve profits in the present and next future; it is the discounted profits that the corporation is supposed to realize, which, in principle, is equal to the market value in the stock exchange.

This definition of capital as the capacity of the corporation to realize profits doesn't represent just an improvement of methods of analysis; there was a historical new fact that prompted such change, which is associated to managerial capitalism. First, because the knowledge embodied in the organization, its personnel and its software, is, today, the most important asset of corporations. Thus, it makes no sense to measure the value of a company by its net worth. Second, after managerial knowledge became strategic, financial market analysts verify every day that the value of a corporation varies dramatically according to the *quality* of its management. A new chief executive officer or a more competent, or an incompetent group of executives running a corporation may change its flow of profits dramatically in a relatively short period. In this circumstance, the old net-worth concept again stops making sense, while the discounted flow of profits turns the only rational alternative. Thus, the discounted value of the flow of profits or the value of a corporation depends heavily on the quality of its top management and of its organization.

As the remuneration of top professionals in the form of salaries, bonuses and stock options, depends on the profits and the value of the corporation in the financial market, to forge good results is a temptation to which many are unable to resist. It perversely explains why abuse and corruption, particularly in the form of fake accounting statements, as it happened with Enron, became so common in contemporary managerial capitalism, leading Galbraith to speak ironically about "the economics of innocent fraud" – the title of his last book (2004). On the other hand, this strategic role of top management, coupled with a still limited supply of highly capable managers, despite the enormous increase of graduate courses in business administration and correlated areas, and the striking acceleration of technical progress embodied in the digital information technology, also explain the concentration of income that characterizes contemporary capitalist economies since mid 1970s.

Besides changing the way of measuring capital, managerial or knowledge capitalism opened room for the definition of a new type of "capital" – human capital. The two neoclassical economists who formulated this theory (Schultz, 1961, 1980; Becker, 1962, 1964), assured themselves the Nobel Prize in Economics. And they merited it, because, instead of just using the hypothetical-deductive method, they acknowledged the existence of a new historical fact: that knowledge had become similar to physical capital, and that the investment in education is how individuals 'accumulate' such asset and from it derive earnings or returns. What they did not stress was that the education of many

individuals, the generalization of education to a whole society, brings positives externalities, spillovers and crossovers that open room for innovation and increase in efficiency at social level, in such a way that the total human capital created is greater than the sum of the capitals accumulated by each individual.

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¹ Bresser-Pereira (1972; 1977).

² Daniel and Wormack (1985).

³ Robert Larner (1966), John Palmher (1972), and Edward Herman (1981).

⁴ Vercellone (2002), Mouhoud (2003: 136), Moulier-Boutang (2007), El Mouhoud and Plihon (2009: 9).

⁵ Hroch (2005).

⁶ On the Weberian tradition Parsons (1940; 1960), Lloyd Warner (1953), Dahrendorf (1957) and Lenski Jr. (1966).

⁷ Wright (1989).

⁸ Mill (1829) quoted by Therborn (2020: 123-124).

⁹ Eder (1993: 1).

¹⁰ Lojkine (2006: 15).

¹¹ See United Nations' *World Migration Report 2020*, Table 1: International migrants, 1970–2019, p. 21.

¹² Ryley (2015: 264; 2017).

¹³ For instance, in 1956, the working-class delegates to the national congresses of the French Communist Party represented 58,8; today, only 7.6 percent of total delegates. (Source: Martelli, Vigreux, and Wolikow (2020).

¹⁴ Temin (2017: x).

¹⁵ Perruci and Wyson (2008: 181; 38).

¹⁶ Therborn (2020: 65).

Among the early contributions to this theme we should also consider, besides pioneers as Berle and Means (1932), Bruno Rizzi (1939), James Burnham (1941) Cornelius Castoriadis (1949), Wright Mills (1951), and John K. Galbraith (1967), we should consider Peter F. Drucker (1968; 1993) and Bresser-Pereira (1972; 1977).

¹⁸ Bidet and Duménil (2007: 64; 71;91).

¹⁹ Duménil and Lévy (2018).