

No Way Out: Crime, Punishment and the Capitalization of Power

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Abstract

The United States is often hailed as the world's largest 'free market'. But this 'free market' is also the world's largest penal colony. It holds over seven million adults – roughly five per cent of the labour force – in jail, in prison, on parole and on probation. Is this an anomaly, or does the 'free market' require massive state punishment? Why did the correctional population start to rise in the 1980s, together with the onset of neoliberalism? How is this increase related to the upward redistribution of income and the capitalization of power? Can soaring incarceration sustain the unprecedented power of dominant capital, or is there a reversal in the offing? The paper examines these questions by juxtaposing the 'Rusche thesis' with the notion of capitalism as a mode of power. The empirical analysis suggests that the Rusche thesis holds under the normal circumstances of 'business as usual', but breaks down during periods of systemic crisis. During the systemic crises of the 1930s and the 2000s, unemployment increased sharply, but crime and the severity of punishment, instead of rising, dropped perceptibly.

Introduction

In May 2011, the U.S. Supreme Court ordered the State of California to release 30,000 to 40,000 of its 140,000 inmates (Supreme Court of the United States 2011; Liptak 2012). California's prisons have become so overcrowded that the Supreme Court declared the situation unconstitutional. The decision was imminent. For nearly two decades, California, along with many other states, was busy getting 'tough on crime'. In the early 1990s, the state enacted the 'Three-Strikes Law', which mandates life sentences for third-time serious crime offenders, and it pursued the country's 'war on drugs' and other law-enforcement campaigns with increasing zeal. Soon enough, its prisons were overflowing at nearly twice their capacity.

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The United States is often portrayed as the archetypical liberal model. It is the world's largest, most prosperous 'free market' and the greatest generator of profit on earth. And yet this liberal haven is also the largest penal system in the world. There are now more than two million inmates in its prisons and jails and another five million on probation and on parole. If you add these two numbers together, you get a 'correctional population' of over seven million. This correctional population is the largest in the world – both absolutely and relative to the overall population – and it is also the largest the country has ever seen.

From a conventional viewpoint, this combination of market prosperity and intense punishment may seem puzzling. The common expectation is for crime and punishment to correlate with poverty, backwardness and deprivation; to be a feature of the Third World, not the First.

Knowingly or not, this expectation is grounded in the customary separation of production from state and capital from power. According to the liberal version of this separation, accumulation breeds economic prosperity, and prosperity in the economic sphere in turn reduces crime and calls for less punishment in the socio-political sphere. The radical viewpoint, particularly the Marxist, transcends this simplistic economism. But the economics/politics bifurcation nonetheless remains, as Marxists still prioritize the cycle of industrial production and employment as key to understanding the ups and downs in imprisonment.

This paper rests on a very different understanding of what constitutes capitalization, how it evolves historically, and the ways in which it relates to crime and punishment. Our starting point is to annul the standard separation between 'economic' production and accumulation on the one hand and 'political' institutions and the state on the other. If we discard the politics/economics duality and instead think of capital as power and of capitalism as a mode of power, the puzzle disappears. The greater the capitalization of power, the greater the resistance to that capitalization and the larger the force needed to prevent this resistance from exploding. As profits increase to make distribution more unequal, the result is mounting resistance from below, and this resistance in turn leads to retaliation from above. The rising crime and intensifying punishment that we now see in the United States are key manifestations of this dialectic of capitalized resistance and retaliation.

The Questions

The purpose of this article is to examine the issue of crime and punishment within the larger context of capitalized power, and specifically in relation to the limits of such power.

This exploration continues the line of argument we have developed over the past several years in a series of conference presentations and papers. In 2009-2011, we introduced the concepts of systemic crisis and systemic fear (Nitzan and Bichler 2009b; Bichler and Nitzan 2010; Kliman, Bichler, and Nitzan 2011).² We claimed that the current crisis – which started not in 2008 but in 2000 – is systemic, and that capitalists are now concerned not so much about employment, production or even profit, but about the very survival of their system.

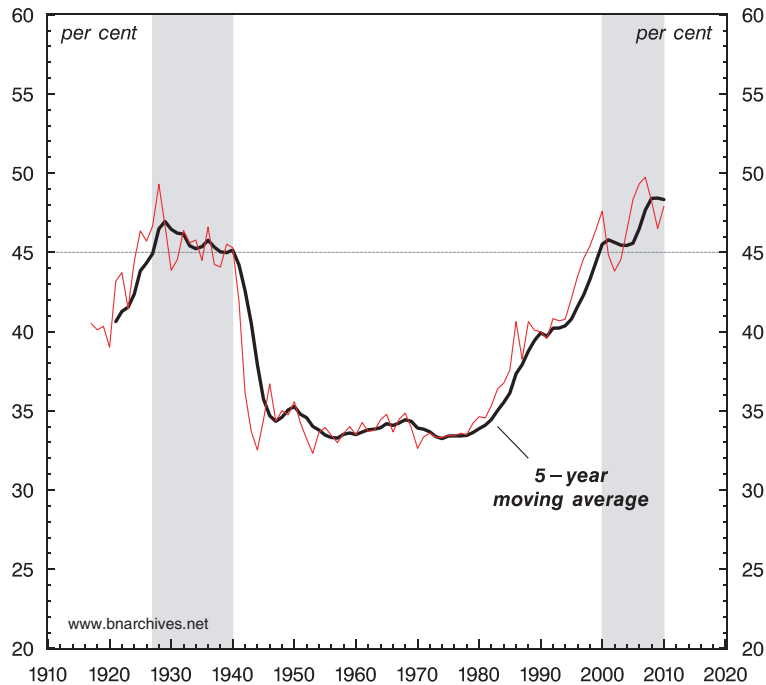
Then, in 2011-12, we examined the 'asymptotes of power' (Bichler and Nitzan 2012).³ Capitalists in general and dominant capitalists in particular, we argued, have objective

² The arguments explored in these articles were presented at the [First Forum on Capital as Power: 'Crisis of Capital, Crisis of Theory'](#), held at York University on October 29-30, 2010.

³ This work was first presented at the [Second Forum on Capital as Power: 'The Capitalist Mode of Power: Past, Present, Future'](#), held at York University on October 20-21, 2011.

reasons to fear for their system. We showed that, in the United States, the present distribution of income-read-power – ranging from the most aggregate indicators of the national accounts all the way to the differential earnings of dominant capital – is pushing against its class limits. And we suggested that, if the pushing continues, it could trigger systemic collapse.

Figure 1
Income Share of the Top 10% of the U.S. Population



NOTE: Income is defined as ‘market income’, including capital gains; it excludes government transfers. Grey areas indicate periods during which the 5-year moving average of the data series exceeded 45%. The last data point is for 2010.

SOURCE: The World Top Incomes Database
<http://g-mond.parisschoolofeconomics.eu/topincomes/> (retrieved on September 19, 2012).

The goal of the present paper is to examine the darker side of this struggle. In the past, resistance to capital was associated mainly with production, workers, left political parties, strikes and mass demonstrations. But as the world changed, new forms of resistance and retaliation have emerged, and the ones we will look at here are crime and punishment. There is an impressive and thought-provoking Marxist literature that deals with the political economy of crime and punishment. But as we shall see, this literature, which goes all the way back to Friedrich Engels (1971, originally published in 1845), follows a research path and offers explanations that are quite different from the ones given here.⁴

Let us start with two charts that relate the distribution of income and capital on the one hand with the extent of state punishment on the other. Figure 1 shows the income share of

⁴ Recent contributions to this literature include Lynch (1988), Michalowski and Pearson (1990), Michalowski and Carlson (1999), Lynch (1999), Lynch and Michalowski (2006), Greenberg and West (2001) and Carlson, Bradshaw and Buist (2013). For a critical review, see Lynch (2010).

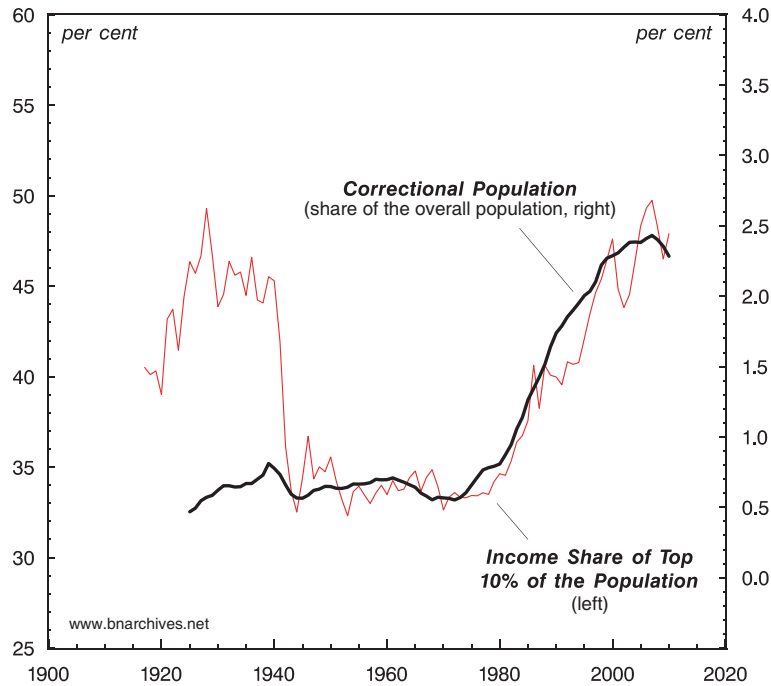
the top 10 per cent of the U.S. population. This share offers a proxy, however imperfect, for the power of the ruling class and the thick power belt that supports it. The shaded areas in the figure denote two historical extremes – periods during which the income share of the top 10 per cent of the population exceeded 45 per cent. During the 1930s, this share approached 47 per cent of total income. And in retrospect, that level proved to be the asymptote of capitalist power. Pushing against it triggered a systemic crisis, followed by the complete *creordering* of the U.S. political economy and a sharp decline in capitalist power, proxied here by a large drop in income inequality. The situation now is remarkably similar, both quantitatively and qualitatively. During the 2000s, the income share controlled by the top 10 per cent of the population approached 48 per cent, a level whose attainment and sustainment required the ruling class to subject the underlying population to increasing doses of violence, pain and sabotage.

Figure 2 illustrates one key manifestation of this process – and the difficulty of sustaining it. The chart reproduces the distributional measure from Figure 1 and contrasts this measure with the adult ‘correctional population’, expressed as a share of the overall population. The correctional population comprises adults in prison, in jail, on probation and on parole.⁵ And as the chart shows, the ‘correctional’ share of the population is tightly and positively correlated with the distributional power of the ruling class: the greater the power, the larger the dose of violence inflicted on the underlying population. Presently, almost 2.5 per cent of the U.S. population is under some sort of institutional punishment – which, as indicated, is the largest proportion in the world and the highest in the country’s history. Although there are no hard and fast rules here, it is doubtful that this massive punishment can be increased much further without highly destabilizing consequences. The 2011 Supreme Court order to release 30,000 to 40,000 prisoners is perhaps a sign that the ruling class is apprehensive of such a destabilization; and the apparent peak in both income inequality and the correctional population suggests that capitalist power may be approaching its asymptotes and that a systemic reversal could be in the offing.

Now, let us focus on the correctional population. In Figure 3, the black series at the bottom denotes the correctional population as a share of the overall population (which we take from Figure 2). The top red series shows the annual rate of change of the bottom series. Historically, this rate of change has fluctuated between –10 and +10 per cent, and the question we need to ask is what drives these changes: Why did the correctional population remain fairly stable till the late 1970s? Why did it soar during much of the neoliberal 1980s and 1990s? And why did it level off in the 2000s?

⁵ Raw data for the overall correctional population are available only from 1980 onward. For the period of 1925-1979, the raw data cover jail and prison inmates only. Note, however, that for the period of 1980-2010, the overall correctional population and the number of jail and prison inmates are tightly correlated, with a Pearson coefficient of 0.993. For this paper, we assumed that the two series moved in tandem also during the period of 1925-1979 and used the latter series to extrapolate the former. Our empirical work here utilizes the resulting raw/extrapolated series for the overall correctional population. The conclusions, though, would have been the same had we used the jail and prison population instead.

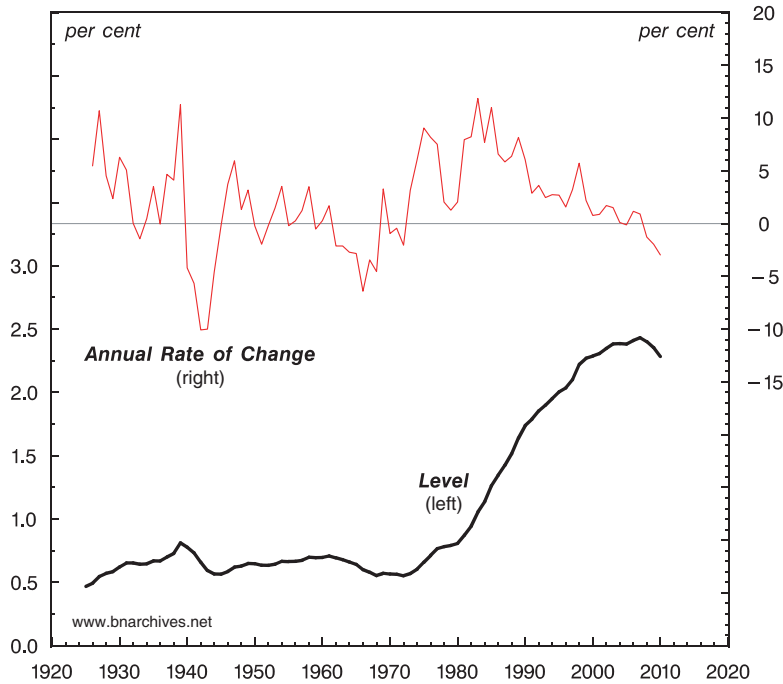
Figure 2
U.S. Income Distribution and the Correctional Population



NOTE: The correctional population consists of adults in prison, in jail, on probation and on parole. For years prior to 1980, systematic data are available only for adults in prison and jail. For those earlier years, the total correctional population is estimated in two steps: first, by computing the average ratio between the total correctional population and the number of adults in prison and jail during the period 1980-1989 (=5.98); and second, by multiplying for each year the number of adults in prison and jail by this average ratio. The last data points are for 2010.

SOURCE: The income share of the top 10% of the population is from The World Top Incomes Database <http://g-mond.parisschoolofeconomics.eu/topincomes/> (retrieved on September 19, 2012). Data on the correctional population are from Sourcebook of Criminal Justice Statistics Online (till 1979: Table 6.28.2009 (<http://www.albany.edu/sourcebook/csv/t6282009.csv>); from 1980 onward: Table 6.1.2010 (<http://www.albany.edu/sourcebook/csv/t612010.csv>)). Population data till 1929 are from the *Historical Statistics of the United States: Earliest Times to the Present, Millennial Edition* (online) (series code: Aa7); from 1930 onward, the data are from the U.S. Bureau of the Census through Global Insight (series code: N@US).

Figure 3
**U.S. Correctional Population as
 a Share of the Overall Population**



NOTE: The correctional population consists of adults in prison, in jail, on probation and on parole. For years prior to 1980, systematic data are available only for adults in prison and jail. For those earlier years, the total correctional population is estimated in two steps: first, by computing the average ratio between the total correctional population and the number of adults in prison and jail during the period 1980-1989 (=5.98); and second, by multiplying for each year the number of adults in prison and jail by this average ratio. The last data points are for 2010.

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Georg Rusche

Until the 1930s, these types of questions were never asked, let alone answered. The subject of crime and punishment was studied mostly by novelists, legal experts, doctors, psychologists, philosophers and moralists. It was rarely if ever dealt with by political economists, and it was certainly never studied scientifically.

The first to undertake this type of study was the German political economist Georg Rusche (for a biographical sketch of Rusche, see Melossi 2003). Rusche was born in 1900 and received his PhD in economics in the mid-1920s. He was interested in labour economics, and he also became involved in prison work. This background led him to contemplate the connection between punishment and the labour market. In the early 1930s, he was commissioned by the Frankfurt School to write a book on the subject, and shortly thereafter he produced a concise article, titled 'Labor Market and Penal Sanction', where he spelled out his thesis (Rusche 1933). Six years later, he published, together with Otto Kirchheimer, the full manuscript, titled *Punishment and Social Structure* (Rusche and Kirchheimer 1939).⁶

According to Rusche, crime and punishment were too important to be left out of political economy. They needed to be anchored in economic theory, he said, and they had to be embedded in the evolution of class relations and class conflict. What were the basic propositions the researcher should start from? Rusche offered four.

- The first proposition – which today may sound like a liberal triviality – concerned the goal of the penal system. Crime consists of acts forbidden by society, and one of the purposes of the penal system, Rusche posited, is to limit and reduce those acts.
- The second proposition – which nowadays may ring like a mainstream cliché, but back in the 1930s sat well with the materialist emphasis of Marxist analysis – had to do with Bentham's 'calculus of pleasure and pain'. In order to deter crime, the penal system needs to convince people that 'crime doesn't pay'; in modern economic parlance, we would say that it needs to make the expected pain from punishment greater than the expected gains from crime.
- The third proposition identified what we may call the 'asymptotes of penalty'. Most people disposed to crime come from the lower strata of society, where the conditions of life are the hardest. This fact means that in order to deter crime, the penal sanction must be worse than the living conditions of these lower strata. 'If the prison doesn't underbid the slum in human misery', Rusche (1933: 4) quotes Bernard Shaw, 'the slum will empty and the prison will fill'. In other words, the lowest living conditions in society set the upper limit of the penal system.
- The fourth and final proposition concerned the rate of unemployment. Many factors affect the living conditions of the lower strata, says Rusche. But the most important by far is the labour market, and particularly the 'excess supply/demand' for labour, or the rate of unemployment. When there is 'excess supply', unemployment rises and wages decline,

⁶ Although the detailed analysis was published jointly by Rusche and Kirchheimer, this paper focuses on the key propositions first articulated by Rusche alone.

causing crime to increase and punishment to intensify. And when there is 'excess demand' and unemployment decreases, the opposite process is set in motion.

These observations, which Rusche says hold in *every* society, set the general boundaries of penalty:

- When labour is abundant, deprivation is close to its limits, so the unemployed can be deterred from crime only by the ultimate punishment: death. Rusche gives the example of China, where a huge reserve army of unemployed makes human life worth close to nothing. Under those conditions, he observes, it is common for captured criminals to be executed without much fuss.
- By contrast, when labour is scarce and there are not enough workers to fill all the jobs, the penal system shifts toward reform and exploitation. The goal now is not to prevent the hungry from criminal acts, but to convince unwilling labourers and criminals that they need to be working. This situation, says Rusche, existed for example during the European Enlightenment of the seventeenth century, when 'excess demand' for labour ushered in by the Mercantilist Era brought prison reforms. Moreover, since 'excess demand' for workers drives wages up, it became profitable to lock up criminals and use them as forced labour, and that too was a feature of European Mercantilism. All in all, a tight labour market causes the system to move from execution to exploitation.

Now these are the two logical extremes: death on the one hand, penal reform and forced labour on the other. A political economy of crime and punishment, says Rusche, needs to start from this analytical skeleton and then flesh out the real historical process that Disraeli referred to as the 'two nations' and Marx called the 'class struggle'. The first person to offer such analysis was Rusche.

Rusche's own work was largely historical and comparative. He went through a series of epochs, examining in each case (1) the conditions of the labour market; (2) the nature of crime; and (3) the intensity of punishment. And what he found was largely consistent with his hypothesis.

- During the early Middle Ages, land was abundant and the population sparse. Most crime was about passion rather than property, and punishment usually took the form of revenge, penance or monetary fines.
- In the late Middle Ages, land grew scarcer and the population more abundant. There were peasant wars and social unrest, and armies of beggars became commonplace. Property crime and robbery were on the rise, but criminals were often unable to pay, so punishment grew crueller and execution more common.
- During the Mercantilist period, roughly the seventeenth century, wars, hunger and plagues reduced the population, while trade raised the demand for workers. Labour became scarcer and wages increased. It was in this context that the Enlightenment movement made punishment more humane and that imprisonment emerged as a new venue to exploit forced labour.

- In the Industrial Revolution, roughly the eighteenth century, mechanization made workers abundant, wages fell and the reserve army of the unemployed swelled. Forced labour was no longer necessary, and prison conditions became punitive and grew harsher.
- In America till the late nineteenth century, rapid industrial development, abundant land and a relatively small population made labour scarce and wages high. The crime scene accorded with Rusche's hypothesis: criminal offences were low; prison reform was in full swing; conditional sentences, parole and probation were increasingly used; and scientists began to study the causes of crime and how welfare policies can abate them.
- Rusche also provided an interesting comparison between the United States and Germany during the 1930s. In America, he said, massive unemployment and weak unions drove wages down, causing the penal system to become more overcrowded, brutal and repressive. In Germany, in contrast, the presence of strong labour unions mitigated the decline of wages and helped moderate penal sanctions.
- Finally, Rusche was also prescient in predicting the use of concentration camps to solve the labour shortages created by the rearmament drives of totalitarian regimes.

The Puzzle

Rusche himself received little recognition in his lifetime and committed suicide in 1950. Although he offered a very impressive starting point for what was then a totally new approach, for a long time his work remained largely unknown and did not make it to the mainstream of either criminology or sociology, let alone political economy.

It was only in the 1980s, with soaring U.S. crime and the massive increase in incarceration, that his approach finally gained some traction, particularly in the critical literature. Also, there were now more systematic data to study, and with computing becoming cheaper, critical sociologists and radical criminologists started to subject Rusche's hypotheses to various empirical investigations.

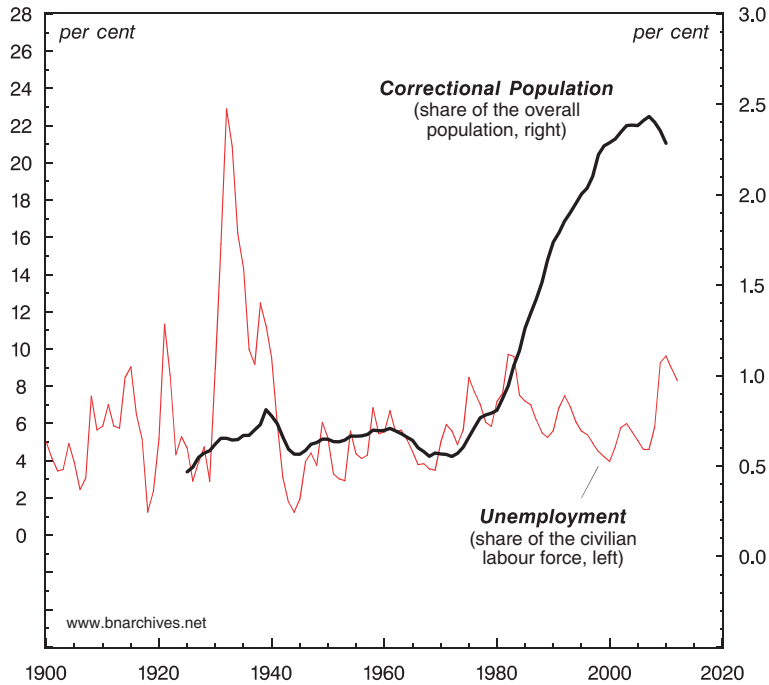
But then there arose a puzzle. Whereas Rusche's long-term historical hypotheses seemed to shed light on various epochs and lead to derivative theses and theories, the conclusions from shorter-term analyses, particularly of contemporary Western societies, were more ambiguous.

The breakdown happened around the 1980s. The central axis of Rusche's argument is that penalty should be positively correlated with 'excess supply' in the labour market. Most researchers take the rate of unemployment as the key proxy for 'excess supply' of labour and the share of the overall population under 'correction' as the proxy for penalty.⁷ These two proxies are plotted in [Figure 4](#) – unemployment on the left scale and the correctional population on the right. Now, the chart shows that until the early 1980s the two proxies were correlated positively (though by no means tightly). However, from the early 1980s onward, this correlation breaks down completely. With Ronald Reagan in office and neoliberalism in full swing, unemployment declined – yet the correctional population went vertical. On the

⁷ The 'excess supply' of labour and the level of penalty could be estimated in many different ways. Given the broad nature of our claims, we deliberate focus on the simplest, most conventional measures.

face of it, then, it would seem that the Rusche thesis was loosely valid until the beginning of neoliberalism, but not afterwards.⁸

Figure 4
U.S. Unemployment and the Correctional Population



NOTE: The correctional population consists of adults in prison, in jail, on probation and on parole. Prior to 1980, systematic data are available only for adults in prison and jail. For those earlier years, the total correctional population is estimated in two steps: first, by computing the average ratio between the total correctional population and the number of adults in prison and jail during the period 1980-1989 (=5.91); and second, by multiplying for each year the number of adults in prison and jail by this average ratio. The last data points are 2010 for the correctional population and 2012 for unemployment.

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⁸ Inverarity and McCarthy (1988; 1989) offer empirical support for the Rusche thesis till the 1980s. For a recent review of the empirical literature and its shortcomings, see Pfaff (2008). For a theoretical critique, see Lynch (2010).

Incarceration and Exploitation

This apparent breakdown meant that, from the early 1980s onwards, radical criminologists and critical sociologists were no longer able to establish a simple link between unemployment and incarceration. Their explanations, writes Michael Lynch (2010 :73), have ‘failed to explore the independent significance of the direct effect of economic structures on incarceration and punishment, and thus are inconsistent with the position taken by Rusche and Kirchheimer’.

Lynch’s own solution is to make Rusche’s labour-market thesis a subset of the broader Marxist understanding of ‘productive relationships’ in capitalism. His starting point is the rate of exploitation in the so-called ‘productive sector’, specifically manufacturing. Competitive forces compel capitalists in this sector to use labour-saving technical change, he explains; the result is growing mechanization, which tends to raise the rate of exploitation, defined as the sectoral ratio of surplus value to variable capital; with the ratio between capitalist and labour incomes increasing over time, manufacturing employment tends to diminish and the working class suffers increasing marginalization, alienation and exploitation; and it is these later impacts that lead to rising crime, stiffer penal enforcement and higher incarceration.

This broad Marxist view, Lynch argues, enfolds the narrow Rusche thesis. ‘The unemployment rate’, he writes, ‘taps into a *portion* of the marginalization process, but fails to represent its more expansive outcomes (alienation and exploitation; deskilling of the labor force; distinctions between types and duration of unemployment, etc.,) associated with Marx’s theory of surplus value’ (2010: 78, emphasis added). The broad exploitation perspective, he adds, also differs from the post-Fordist model (De Giorgi 2006, 2007), according to which the historical shift from ‘economies of scale’ to ‘economies of scope’ has served to loosen the links between unemployment, crime and penalty.

Lynch (2010) puts his model to a statistical test. Focusing on the United States during the period of 1977-2004, his multivariate empirical analysis shows changes in incarceration to be positively correlated with the rate of exploitation in manufacturing.⁹ He is unable, however, to support Rusche’s thesis – namely, that the level of incarceration during this period is positively correlated with unemployment.

The main difficulty with this approach lies in the underlying categories (for a detailed critique of Marxist value theory, see Nitzan and Bichler 2009a). In order to measure the rate of exploitation in society, Marxists need, among other things, to identify the socially necessary abstract labour contents of commodities and to distinguish productive activity (which generates surplus value) from unproductive activity (which uses it). Unfortunately, labour values cannot be observed, and there is no objective way to separate productive from unproductive activity. The common solution is to take a shortcut. Most Marxist analysts use the neoclassical price and quantity estimates of the national account as proxies for Marxist labour values, and they further assume that all surplus value originates in several sectors of the national accounts that they classify as ‘productive’ (usually manufacturing, agriculture, construction, mining and utilities).

This seems to us a theoretically problematic and historically outdated framework on which to build an encompassing political economy of contemporary capitalism. Does it make

⁹ Lynch computes the amount of surplus value as the difference between manufacturing value added and the manufacturing wage bill. Assuming that prices are equal to values, this measure excludes the very large surplus value that, according to Marxist analysis, originates in manufacturing but ends up being consumed by the unproductive sectors.

sense to trace the origin of all capitalist income to a shrinking sector that currently accounts for a mere 10-20 per cent of all business activity, and that is likely to get even smaller? And if penalty in society is indeed driven by the exclusion, alienation and marginalization of workers, shouldn't this impact be mediated, at least in part, through the rate of unemployment? Crime and punishment in capitalism certainly need to be understood as part of the broader logic of accumulation. But in our view, this broader logic can no longer be easily analysed with the 'material' categories of nineteenth-century sweatshops, abstract labour, productive capital and the rate of exploitation.

Re-search

One way or the other, the *empirical* rejection of the Rusche thesis has been too hasty. It seems to us that, at any point in time, penalty should be proxied not by the overall level of the correctional population, but by its rate of change. The reason is simple. The overall level of the correctional population is determined by two factors: (1) the cumulative results of past crime and punishment; and (2) current crime and punishment that cause this cumulative result to increase or decrease. The current rate of unemployment affects only the second of these factors; it influences not the past levels of crime and punishment, but their current rate of change.

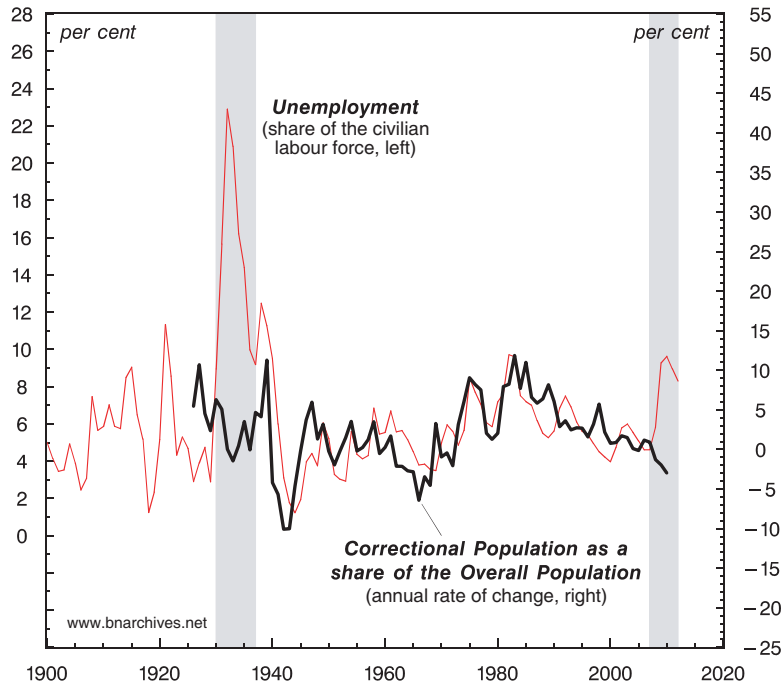
Figure 5 reflects this shift in emphasis, and the effect is dramatic. The figure shows the same rate of unemployment as in Figure 4. But penalty now is proxied not by the level of the correctional population relative to the overall population, but by the annual rate of change of this ratio. There are two important things to note in this chart.

1. We can see that, for much of the past century, annual changes in the U.S. correctional population were almost perfectly 'explained', at least statistically, by annual changes in the rate of unemployment.¹⁰ Rusche was right – indeed more right than he could have anticipated. According to the figure (and Occam's razor), there is no need for complicated models, multiple variables and assorted excuses (when the models fail). The two forms of sabotage – unemployment and penalty – mirror each other very closely.
2. But there are two important exceptions to the rule – the first occurred during the Great Depression of 1930s, the second in the present crisis. During both of these systemic crises, which the chart shades in grey, the two series are not positively, but negatively correlated. In both, unemployment rises sharply – but penalty, instead of soaring in tandem, decelerates sharply or actually falls.

So we have an enigma. If our interpretation of Rusche is correct, then what explains the decoupling of unemployment and penalty during systemic crises? Is this a mere coincidence, or do systemic crises alter the underlying relationship of the two processes? We return to this enigma at the end of the paper.

¹⁰ The Pearson correlation coefficient is 0.59 for 1937-2007 and 0.67 for 1945-2007. When the data are smoothed as 5-year moving averages, the 1945-2007 coefficient rises to 0.8.

Figure 5
U.S. Unemployment and the Correctional Population



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Decompose

Let us try to make sense of the two observations made in the previous section. The first step is to decompose the rate of change of the correctional population. Consider Equation (1), where the dots on top of the variables indicate temporal rates of change. In this equation, the rate of change of the share of the correctional population in the overall population is approximately

equal to the rate of change of the correctional population less the rate of change of the overall population.

$$1. \left(\frac{\dot{\text{correctional population}}}{\dot{\text{overall population}}} \right) \approx \dot{\text{correctional population}} - \dot{\text{overall population}}$$

Now, if the rate of change of the overall population is fairly stable, variations in the share of the correctional population in the overall population (the left-hand side of the equation) will be dominated by the rate of change of the correctional population (first element on the right).

So let's decompose the rate of change of the correctional population. Mathematically, this rate of change comprises three components: (1) the intensity of punishment, proxied by the change in the correctional population relative to crime (with Δ denoting the difference between two successive observations); (2) the crime rate, measured by the ratio of crime to the overall population; and (3) the correctional population as a share of the overall population. The decomposition is given by [Equation \(2\)](#):

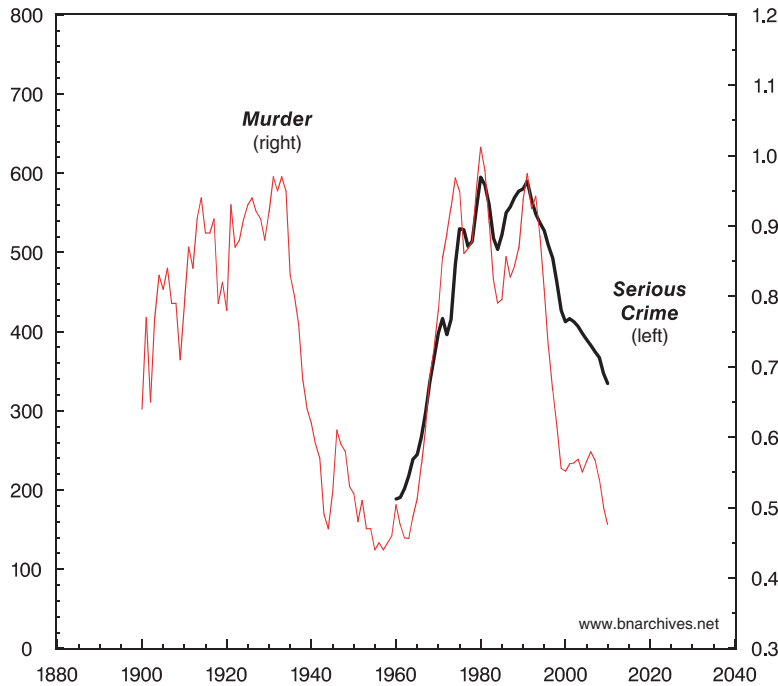
$$\begin{aligned} 2. \dot{\text{correctional population}} &= \frac{\Delta \text{correctional population}}{\text{correctional population}} \\ &= \frac{\Delta \text{correctional population}}{\text{crime}} \times \frac{\text{crime}}{\text{overall population}} \times \frac{\text{overall population}}{\text{correctional population}} \\ &= \frac{\text{intensity of punishment} \times \text{crime rate}}{\text{correctional population as a share of the overall population}} \end{aligned}$$

Crime and Punishment

Let us look more closely at the numerator of the third line of [Equation \(2\)](#), beginning with the crime rate. [Figure 6](#) shows the historical evolution of what the FBI calls the 'serious crime rate'. Serious crimes include criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft and motor-vehicle theft (U.S. Department of Justice. Federal Bureau of Investigation). The FBI collects these statistics from various sources, standardizes them and expresses them as a ratio to the overall population. For example, in 2010, the serious crime rate was 334 for every 10,000 people, or 3.3 per cent. Note the long-term cyclicity of the serious crime rate. It rose from its nadir of 2 per cent in 1960 to a peak of 6 per cent in 1980. At that point, criminologists, social commentators and politicians thought that all hell was breaking loose, that the crime rate was likely to shoot through the roof, and that the social fabric of the U.S. was about to disintegrate (see for example, Levitt 2004). None of these predictions has materialized. Instead of rising, the crime rate started a long-term decline, and by 2010 it was half as high as it was in 1980.

Figure 6

U.S. Serious Crime and Murder Rates (per 10,000 persons)



NOTE: The serious crime rate consists of Part I Index Crimes of the FBI Unified Crime Reporting (UCR) expressed in relation to the overall population. Part I Index Crimes include criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft and motor-vehicle theft. The last data points are for 2010.

SOURCE: The number of murders is from *Historical Statistics of the United States: Earliest Times to the Present, Millennial Edition* (online) (series code: Ec191 for 1900-1932 and Ec22 for 1933-1959); and from UCR Online (<http://www.ucrdatatool.gov/Search/Crime/State/StateCrime.cfm> for 1960-2005; <http://www.fbi.gov/about-us/cjis/ucr/crime-in-the-u.s/2010/crime-in-the-u.s.-2010/tables/10tbl01.xls> for 2006-2010). Population data till 1929 are from the *Historical Statistics of the United States: Earliest Times to the Present, Millennial Edition* (online) (series code: Aa7); from 1930 onward, the data are from the U.S. Bureau of the Census through Global Insight (series code: N@US). The serious crime rate (Part I Index Crimes relative to the population) is from UCR Online as above.

Unfortunately, we do not have unified serious crime statistics for years prior to 1960. But we do have data for the murder rate, depicted here by the thin red line. The number of murders of course is much smaller than the overall number of serious crimes. In 1980, for instance, for every 10,000 people there were 600 serious crimes but only one murder. The key for our purposes, though, is that the two series are highly correlated. And if this correlation also held prior to 1960, it implies that the U.S. crime rate has followed a fairly stylized long-term cycle.

Bearing this cyclicity in mind, we can move to [Figure 7](#). The thick black line in the figure measures the serious crime rate per 100 people. The chart also shows the intensity of

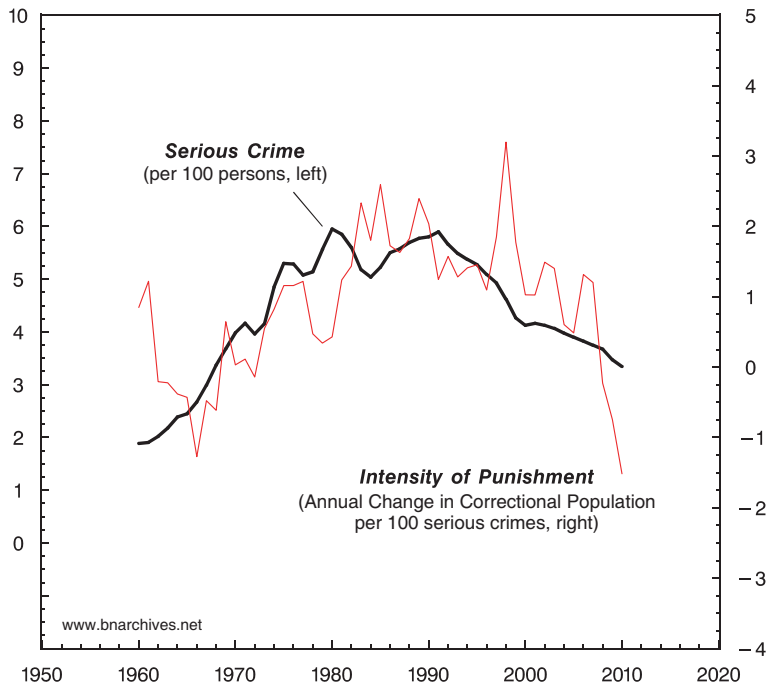
punishment, proxied by the thin red line. If you look at [Equation \(2\)](#), you can see that this intensity is measured in two steps. The first step is to compute net change in the correctional population. For example, in 2010 the correctional population fell by 157,000. This figure represents, for that year, the number of people who were caught, tried and sentenced, less the number of those released. For 2010 the net figure was negative – there were more people leaving the correctional system than entering it. The second step is to divide this net change by the number of serious crimes reported that year and multiply the result by 100. This computation gives us the net change in the correctional population *per 100 crimes*. In 2010, this ratio was -1.5 , which means that for every 100 serious crimes, there were 1.5 people deleted from the correctional population. By contrast, in 1998 the number was $+3.2$, which means that for every 100 serious crimes, there were 3.2 people added to the correctional population. Note that this is a ‘composite measure’ that reflects four different processes: (1) the efforts and the effectiveness of the police; (2) changes in the legal code; (3) the harshness of the courts; and (4) the release rate of those previously sentenced.

The chart shows that the two measures – crime and the intensity of punishment – are tightly correlated. Now, recall that, according to Rusche, crime and punishment are *both* driven by conditions in the labour market – particularly unemployment – so the correlation between them suggests we should examine their separate relationships to unemployment.

[Figure 8](#) shows the relationship between the serious crime rate and the unemployment rate since the 1960s. In general, the data seem consistent with Rusche’s hypothesis, at least until recently. They show the two processes to be moving in tandem, rising until the 1980s and receding afterwards. But by the late 2000s, the relationship between unemployment and crime seems to have broken down: while unemployment has risen sharply, the crime rate, instead of increasing, has continued to drop.

[Figure 9](#) shows the relationship between the intensity of punishment and unemployment. And the patterns here are similar to those in [Figure 7](#). There is a positive relationship between unemployment and the intensity of punishment, with both rising till the 1980s and falling afterwards. And here, too, the relationship inverts in the late 2000s: while unemployment rises dramatically, the intensity of punishment drops sharply and indeed becomes negative (note in particular the late 1990s). Note that the short-term correlation since the 1980s is looser than before; but even in this looser correlation, the divergence between the series in the late 2000s stands out clearly.

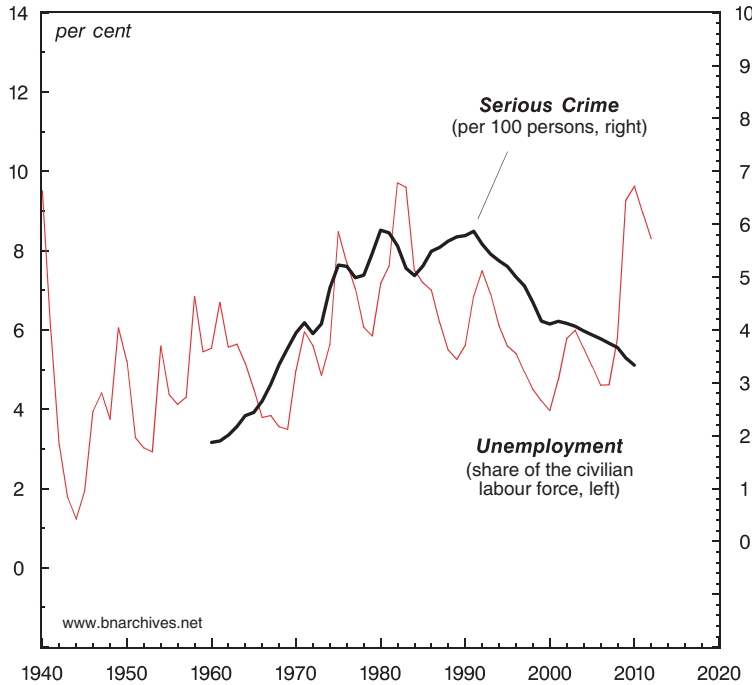
Figure 7
U.S. Serious Crime and the Intensity of Punishment



NOTE: The serious crime rate consists of Part I Index Crimes of the FBI Unified Crime Reporting (UCR) expressed in relation to the overall population. Part I Index Crimes include criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft and motor-vehicle theft. The correctional population consists of adults in prison, in jail, on probation and on parole. For years prior to 1980, systematic data are available only for adults in prison and jail. For those earlier years, the total correctional population is estimated in two steps: first, by computing the average ratio between the total correctional population and the number of adults in prison and jail during the period 1980-1989 (=5.91); and second, by multiplying for each year the number of adults in prison and jail by this average ratio. The last data points are for 2010.

SOURCE: The serious crime rate (Part I Index Crimes relative to the population) is from UCR Online (<http://www.ucrdatatool.gov/Search/Crime/State/StateCrime.cfm> for 1960-2005; <http://www.fbi.gov/about-us/cjis/ucr/crime-in-the-u.s/2010/crime-in-the-u.s.-2010/tables/10tbl01.xls> for 2006-2010). The correctional population is from Sourcebook of Criminal Justice Statistics Online (till 1979: Table 6.28.2009 (<http://www.albany.edu/sourcebook/csv/t6282009.csv>); from 1980 onward: Table 6.1.2010 (<http://www.albany.edu/sourcebook/csv/t612010.csv>)).

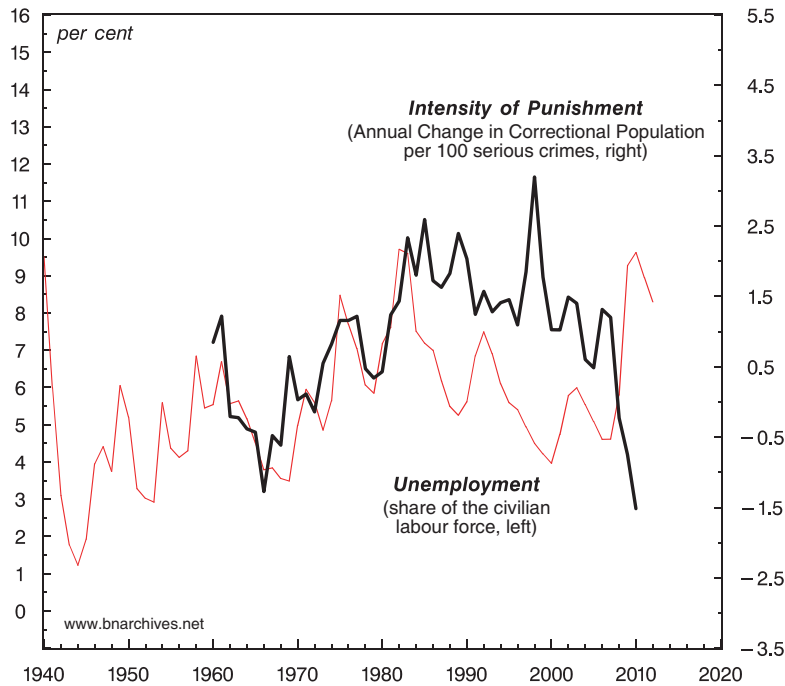
Figure 8
U.S. Unemployment and Serious Crime



NOTE: The serious crime rate consists of Part I Index Crimes of the FBI Unified Crime Reporting (UCR) expressed in relation to the overall population. Part I Index Crimes include criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft and motor-vehicle theft. The last data points are 2010 for serious crime and 2012 for unemployment.

SOURCE: The serious crime rate (Part I Index Crimes relative to the population) is from UCR Online (<http://www.ucrdatatool.gov/Search/Crime/State/StateCrime.cfm> for 1960-2005; <http://www.fbi.gov/about-us/cjis/ucr/crime-in-the-u.s/2010/crime-in-the-u.s.-2010/tables/10tbl01.xls> for 2006-2010). Unemployment till 1947 is from *Historical Statistics of the United States: Earliest Times to the Present, Millennial Edition* (online) (series code: Ba457); from 1948, data are from the U.S. Bureau of Labor Statistics through Global Insight (series code: RUC@US).

Figure 9
U.S. Unemployment and the Intensity of Punishment



NOTE: The correctional population consists of adults in prison, in jail, on probation and on parole. For years prior to 1980, systematic data are available only for adults in prison and jail. For those earlier years, the total correctional population is estimated in two steps: first, by computing the average ratio between the total correctional population and the number of adults in prison and jail during the period 1980-1989 (=5.91); and second, by multiplying for each year the number of adults in prison and jail by this average ratio. The serious crime rate consists of Part I Index Crimes of the FBI Unified Crime Reporting (UCR) expressed in relation to the overall population. Part I Index Crimes include criminal homicide, forcible rape, robbery, aggravated assault, burglary, larceny-theft and motor-vehicle theft. The last data points are 2010 for net change in correctional population and 2012 for unemployment.

SOURCE: The correctional population is from Sourcebook of Criminal Justice Statistics Online (till 1979: Table 6.28.2009 (<http://www.albany.edu/sourcebook/csv/t6282009.csv>); from 1980 onward: Table 6.1.2010 (<http://www.albany.edu/sourcebook/csv/t612010.csv>)). The number of serious crimes (Part I Index Crime) is from UCR Online (<http://www.ucrdatatool.gov/Search/Crime/State/StateCrime.cfm> for 1960-2005; <http://www.fbi.gov/about-us/cjis/ucr/crime-in-the-u.s/2010/crime-in-the-u.s.-2010/tables/10tbl01.xls> for 2006-2010). Unemployment till 1947 is from *Historical Statistics of the United States: Earliest Times to the Present, Millennial Edition* (online) (series code: Ba457); from 1948, data are from the U.S. Bureau of Labor Statistics through Global Insight (series code: RUC@US).

Taking Stock

What do these relationships mean for capital as power and for the limits on that power? To contextualize our conclusions, let us reiterate our earlier findings. In our recent work, we noted that this is not a regular crisis but a systemic one, and that it is not a crisis of production or finance, or of a mismatch between them, but a crisis of power. The ruling class, we said, is struck by systemic fear – that is, fear for the survival of capitalism. The reverberations of crime and punishment – including the recent Supreme Court order to release a quarter of California’s prisoners – may be signs of that fear.

We then outlined the objective ‘asymptotes of capitalist power’. The ruling class, we said, is fearful for a reason. The logic of capital as power is deterministic. It forces dominant capitalists to accumulate differentially and augment their power. They have no choice in this matter. They have to push toward the asymptotes of their power, relentlessly. And as they get closer to those asymptotes, their push elicits counter forces, making systemic collapse increasingly likely.

In the present paper we have looked at the dark side of this process – the side of resistance. In the past, most analyses of resistance were anchored in the productive process. The focus was on industrial strikes, workers, mass movements and political parties. This ‘materialist’ focus was subsequently challenged by the ethno-cultural revolution. Instead of the old myths of the Enlightenment and socialism, there arose a new emphasis on power and postist ideologies. Subjective deconstruction substituted for history’s ‘laws of motion’. Determinism was discredited, but so was meaning and significance.

Our own work breaks with this postist fashion. Autonomous resistance – such as the May 1968 uprising in France or the first Palestinian Intifada of 1987/8 – does not abide by the logic of capital and therefore cannot be analysed from within that logic. But most resistance to capital as power is not autonomous, but heteronomous: it does not initiate – it *responds*; it is less an action and more a *reaction*; it is not external but *integral* to the conflictual logic of capital as power. In short, it is part and parcel of the capitalist mode of power, and that embeddedness makes it amenable to objective, deterministic inquiry.¹¹

In order to engage in such inquiry, though, we need to transcend the conventional frame of reference. Most critical researchers continue to separate the capitalist reality into ‘production’ and ‘power’. In this framework, the labour market is part of the economy and accumulation, while the penal system is part of the state and the socio-political system more broadly. Rusche sought to challenge this view: he tried to analyse penalty in relation to both production and discipline, and unemployment in relation to both criminality and the economy. But working within the Marxist frame of reference, he continued to think of capitalism as a mode of production. So his attempt, however ingenious, remained focused on material conditions and therefore was incomplete.

From the viewpoint of capital as power, penalty and unemployment are not distinct aspects of politics and economics, respectively. Instead, they are different forms of capitalized resistance and sabotage. Human creativity is a positive form of resistance to capitalist power, and the threat of unemployment is the means by which the ruling class tries to strategically sabotage and subjugate this creativity to capitalist ends. Similarly with crime and punishment. Illegality is a negative form of resistance to capitalist power (a ‘primitive rebellion’, as Engels

¹¹ The concepts of heteronomy and autonomy are developed in Castoriadis (1991). On the difference between the heteronomy of capital and the autonomy of resistance, see Nitzan and Bichler (2009a).

1971 called it), and penalty is the major institution that keeps this resistance from undermining the capitalist *creorder*.

These forms of resistance and sabotage fit into the breadth and depth regimes of capital as power (Nitzan 2001; Nitzan and Bichler 2009a: Chs. 15-17). In the past, we argued that during a depth phase, the sabotage of stagflation (stagnation and inflation) assists the process of ‘accumulation through crisis’ (Nitzan and Bichler 2002). Now, since crime and punishment are tightly correlated with unemployment, we can see how this additional form of sabotage kicks in. During the depth phase of the 1970s and 1980s, unemployment and inflation increased, as did crime and punishment. Conversely, during the breadth phase of the 1990s, they all decreased.

And here we come to the enigma of [Figure 5](#). During the systemic crises of the 1930s and 2000s, the tight correlation between penalty and unemployment seems to have broken down: in both periods, the sabotage of unemployment rose sharply; yet crime and punishment, instead of rising in tandem, actually receded.

What could explain this enigma? One possibility is that some of the data we use are incorrect or inaccurate. A second possibility is that our top-down presentation of the data is too crude, and that a more refined set of proxies for unemployment, crime and punishment will eliminate the anomaly. But there is also a third, substantive, possibility, and that is that systemic crises *alter the rules of the game*. These crises not only dent the resolve of the ruling class; they also change the class disposition of criminals. Under the system of ‘business as usual’ (including its cyclical crises), the poor feel that there is ‘no way out’. Without jobs, without dignity and with little prospect for change, the only alternative is crime. But during a deep, systemic crisis, there emerges another, transformational, alternative. This alternative is based not on individual alienation and protestation, but on class solidarity; not on defying the system through Quinney’s ‘crimes of resistance’ (1980), but on altering its very structure. Perhaps it is the emergence of this democratic opening during a systemic crisis that causes crime to drop despite soaring unemployment.¹²

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¹² The third possibility was suggested to us by the Israeli criminologist, Professor Jacob Reuven.

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