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WORKING PAPERS ON CAPITAL AS POWER

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1. Introduction

This paper clarifies a common misrepresentation of our theory of capital as power, or CasP. Many observers tend to box CasP as an 'institutionalist' theory, tracing its central process of 'differential accumulation' to Thorstein Veblen's notion of 'differential advantage' (Cf. 1904, 1923). This view, we argue, betrays a misunderstanding of CasP, Veblen or both. As we show below, CasP's notion of differential accumulation is not only different from, but also diametrically *opposed* to Veblen's differential advantage.

Our argument is articulated in several steps. Section 2 outlines the key claims of CasP, contrasting them with those of received theory and articulating the way in which they relate and lead to our concept of differential accumulation. Sections 3 and 4 examine Veblen's twin concepts of strategic sabotage and differential advantage, showing that the latter is concerned not with differential profit, but with the earning of profit as such. Section 5 develops this claim further, demonstrating that Veblen's analysis of accumulation, hostage to neoclassical absolutes, understood capitalists as seeking not differential profit, but maximum profit. Section 6 examines the historical context in which Veblen was writing, suggesting that this backdrop made it practically impossible for him to conceive – let alone theorize and measure – differential accumulation, even if he had wanted to. Section 7 concludes with a short summary.

2. CasP in a Nutshell

CasP begins with a new definition of capital that contrasts sharply with the conventional view, both liberal and heterodox (Nitzan and Bichler 2009: Chs. 9-11). Prevailing theories measure capital *absolutely*, whereas CasP quantifies it *differentially*. This difference is intimately related to power. In the liberal neoclassical framework, power *distorts* accumulation (and the economy more generally), whereas in the heterodox Marxist framework power is *necessary* for accumulation (primarily in the form of state institutions and dominant ideologies). But in both cases, and this is the key point, power exists *outside* of capital. This externality betrays the common Smithian heritage of both liberalism and Marxism – the notion that 'civil society' (the 'market' in liberalism and the productive 'base' in Marxism) is separate

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from the 'state' (political institutions in liberalism and the 'superstructure' in Marxism) – and allows capital itself to be quantified in absolute terms.

Our CasP theory is diametrically opposed to this view, and consequently, so are its implications: (1) whereas for liberals and Marxists, capital is a material-productive entity, for us it is the central power institution of capitalism; (2) while liberals and Marxists examine capital *and* power, we treat capital *as* power; and (3) since in our view capital is not simply related to power, but is itself a form of power, its measure cannot be absolute, as it is in liberalism and Marxism, but must instead be *differential*.

Let's unzip these claims. According to received convention, capital is a quantifiable, *material-productive entity*, comprising machines, structures, means of transportation, extracted raw materials and semi-finished goods and services – and nowadays also human knowledge. In this view, the units of capital, like those of every other commodity, are *absolute*. Neoclassical economists (claim to) count capital in terms of the units of utility – or 'utils' – it can generate (Fisher 1892, 1896), while Marxists (claim to) denominate it in terms of the socially necessary abstract labour time – or SNALT – required for its production (Marx 1909).

We say 'claim to' because, in practice, neoclassicists and Marxist do no such thing – and for a simple reason. As they stand, utils and SNALT cannot be defined operationally and therefore cannot be measured, quantified or counted to start with. They are not real entities, but figments of the economists' imagination (Nitzan 1989; Nitzan and Bichler 2009: Chs. 5-8; Bichler and Nitzan 2015). In theory, utils and SNALT are supposed to determine the relative money value of capital (so, in principle, capital with twice the util-generating capacity will cost double the price, while capital with ten times the SNALT will be sold for ten times the price). But since these units are unknown – and indeed, unknowable – the economists are forced to go in reverse. Instead of using utils and SNALT to explain the relative dollar value of capital, they use the dollar value of capital to 'reveal' its otherwise unobservable util and SNALT quantities (Samuelson 1938 gleefully christened this inversion 'revealed preferences'; Marxists, being more self-conscious and guilt-ridden, stopped short of giving the travesty a proper name).

This inversion does not arise in CasP. While liberals focus on relations of utility and Marxists on relations of production, CasP concentrates on relations of power. According to CasP, capital is not a material-productive entity, but *quantified social power writ large*, while capitalism is not a mode of production and consumption, but a historically specific *mode of power*. In contrast to liberals and Marxists, CasP measures capital not absolutely, but differentially, and it does so not inversely through unobservable units such as utils and SNALT, but directly through readily observable money prices.

The logic behind this differential measurement can be summarized as follows (for more, see Nitzan and Bichler 2009: Chs. 9-12). Capitalists, and by extension the system they control, are conditioned and driven by the ritual of capitalization. The magnitude of capitalization is given by the discounted present value of risk-adjusted expected future earnings. The key components of this discounting are (1) future earnings, (2) investors' hype (excessive optimism/pessimism) regarding these future earnings, (3) the risk associated with future earnings predictions and (4) the discount rate used to bring those risk-adjusted earnings to present value. Each of these components – and by implication, their reduction into the singular magnitude of capitalization – is a quantitative measure of power relations. Now, if we extend Johannes Kepler's theory of force to the sphere of social power and understand this power not as a qualitative stand-alone entity, but as a quantitative relationship between entities, we must by definition treat capitalized power *relatively* – and relative magnitudes can only be measured differentially, hence *differential accumulation*.

And that is exactly what we see in modern capitalism. Capitalists – and gradually, every social subject locked into the capitalist logic – are conditioned and driven by the differential imperative of 'beating the average' and exceeding the 'normal rate of return'. The key yardstick in business – and in capitalist society more generally – is not absolute, but relative. The key goal is not to maximize one's own utility or the accumulated number of dead labour hours, but to *outperform* the competition and grow *faster* than others. Moreover, there is nothing subjective about this drive. It is determined not by the personal whim of individual capitalists, but by the uncompromising power logic of their system: those who fail to beat the average and accumulate differentially are quickly trumped by those who do.

According to CasP, power is both the cause and the effect of accumulation. Using i and j to denote two distinct capitalists or groups of capitalists, we say that the differential power of i compared to j is given by the differential ratio of their respective capitals (K_i/K_j), and that the rate of change of this ratio ($k_i - k_j$) measures the differential accumulation of i relative to j . In this context, the driving force is a *dynamic* compulsion to *increase* power. The quest for more power (a higher K_i/K_j) causes capitalists to try to accumulate differentially, while the effect of this drive gets quantified by their growing power implied by a positive rate of differential accumulation ($k_i - k_j$). In other words, for capitalists, redistribution-read-changes-in-power is not only a means to an end, but also – and more importantly – the end itself.

3. Thorstein Veblen and Strategic Sabotage

Our insight into this redistributive process benefited greatly from the pathbreaking work of Thorstein Veblen. Veblen's devastating critiques of his neoclassical peers – including their emphasis on perfect competition, their notions of factor productivity and hedonic utility, their circular theories of prices, interest and credit and, above all, their material conception of capital – showed their entire framework to be unsound logically and irrelevant empirically (Veblen 1919, 1934).

In lieu of this outdated worldview, Veblen portrayed a 'new order of business', a regime characterized by two interrelated processes. First, he pointed out that the new era was marked by the rise of big organizations – in business, government and labour. Second, he claimed that the rise of big capitalist organizations enabled credit, which previously was treated largely as a commercial phenomenon, to become a form of ownership at large, and that this 'larger use of credit' (which for Veblen comprised all capitalized claims on future income) shifted the emphasis of business from production in the service of livelihood to pricing in the service of finance. According to Veblen, the main force enabling and propelling this rise of large, credit-denominated corporations (and of the government organs and labour unions that supported and thwarted them), was 'strategic sabotage' (Nitzan 1992a, 1992b; Nitzan and Bichler 2009: Ch. 12).

Writing in the late nineteenth and early twentieth centuries, Veblen was intimately familiar with the destructive tactics of the 'robber barons' and witnessed first-hand the pre-war 'monopoly' wave of business consolidation that normalized and institutionalized those tactics. The standard neoclassical manuals of the time, though, ignored these processes, dismissing them as mere 'distortions' of an otherwise 'perfectly competitive market' (the first systematic analyses of 'market imperfections' appeared only in the 1930s, after Veblen's death. Cf. Chamberlin 1933; Robinson 1933; Means 1935; Hall and Hitch 1939). There was nothing destructive about the invisible hand of free economic competition, the neoclassicists insisted. On the contrary, competition was the main engine of novelty, technical change and rising wellbeing. Moreover, and crucially, the 'factor incomes' generated by such healthy competition – including the wages of workers, the rent of resources and land owners and the profits of capitalists

– were proportionate to the (marginal) 'productive contribution' to the overall societal utility made by each factor. It was not only the best, but also the fairest of all possible worlds.

Veblen considered this view of capitalist competition sheer nonsense. Modern business practices, he observed already in the 1910s, had nothing to do with the *passive* 'price-taking' ideals peddled by neoclassical textbooks. Large business organizations (and, in their own ways, large governments and labour unions as well) were not seeking to sell the largest possible volume at the 'market price'. Instead, they were trying to *actively* undermine – or 'sabotage' – their opponents so that they could charge whatever the 'traffic could bear'. In this mutually destructive context, the various forms of profit were not a 'remuneration' for the productive contribution of the owned assets, but rather a 'ransom' claimed by their owners for allowing the industrial system as a whole to operate:

Plainly, ownership would be nothing better than an idle gesture without this legal right of sabotage. Without the power of discretionary idleness, without the right to keep the work out of the hands of the workmen and the product out of the market, *investment and business enterprise would cease*. This is the larger meaning of the Security of Property. (Veblen 1923; 66-67, emphasis added)

And that wasn't the end of it. The business magnates of the time, led by John D. Rockefeller and his likes, were not only undermining and sabotaging each other as well as the rest of society. They were also actively subsidizing the emerging neoclassical worldview whose main benefit was to make their strategic sabotage – and indeed their very existence as dominant owners of giant corporations – practically invisible (Josephson 1934: Ch. 14; Bichler and Nitzan 2007). Veblen refused to participate in this orchestrated racket. Had he lived today, he would probably have posited that the huge socio-environmental damage of the fossil-fuel regime was imposed on and for years concealed from humanity for the benefit of the oil companies' profits (Banerjee *et al.* 2015; Franta 2018).

4. Veblen's Differential Advantage *vs.* CasP's Differential Accumulation

In Veblen's writing, 'strategic sabotage' is used interchangeably with 'differential advantage'. This *differential advantage*, though, has nothing to do with the CasP concept of *differential accumulation*.

To be clear, Veblen's notion of differential advantage is an attempt to explain not differential profit, but *profit as such*. For him, differential advantage means simply the ability of capitalists to raise prices – absolutely or relative to cost – so as to generate a profit in the first place. His purpose in endlessly reiterating this claim was to show that, contrary to received convention, higher-prices-read-profits come not from the owners' economic *contribution* to the community, but from their power to *sabotage* the community:

[. . .] the processes of productive industry are governed in detail by the exigencies of investment, and therefore by the quest of gain as counted in terms of price, which leads to the *dependence of production on the course of prices*. So that under the regime of capital, the community is unable to turn its knowledge of ways and means to account for a livelihood except at such seasons and in so far as the course of prices affords a *differential advantage* to the owners of the material equipment. The question of advantageous – which commonly means rising – prices for the owners (managers) of the capital goods is made to decide the question of livelihood for the rest of the community. The recurrence of hard times, unemployment, and the rest of that familiar

range of phenomena, goes to show how effectual is the inhibition of industry exercised by the ownership of capital under the price system (Veblen 1908: 108, emphases added).

However – and here we come to the crucial point in terms of this paper – the question of whether the profit afforded by differential advantage *beats, trails or equals the average profit* is entirely irrelevant to and never appears in Veblen's argument. Indeed, to the best of our knowledge, Veblen's writings offer no discussion of the 'normal rate of return', 'benchmarking' or 'beating the average', and thus no mention, let alone analysis, of differential accumulation.

For Veblen, power is a *means* of accumulation, full stop. By contrast, as we saw in Section 2, in CasP power is *both* the means and the end of accumulation. In developing this double-sided view of power and accumulation, we were inspired not by Veblen, but by Lewis Mumford's theory and history of the mega-machine. In his two-volume *The Myth of the Machine* (1967, 1970), Mumford examines the ancient and modern state incarnations of the mega-machine, a mechanized social construct erected and maintained by state rulers as way of exerting power for the sake of power. Building on his insights, we have extended and developed this concept to the study of capitalism, arguing that capital is a modern mega-machine, and that accumulation is the capitalist form of augmenting power for its own sake (for example, Nitzan 1992b, 1998; Nitzan and Bichler 2002: Ch. 2; Nitzan and Bichler 2009: Ch. 13).

This double-sided understanding of capital as power – the notion that power is both the means and the end of accumulation – alters the meaning of capitalism. Whereas for Veblen (as well as for liberals and Marxists) the ultimate purpose of accumulation is to increase one's *absolute* claim, in CasP it is to increase one's *differential* claim. And while for Veblen (and other political economists) the absolute claim is over *output*, in CasP the differential claim is over the *societal process* of producing that output.

5. Veblen's Profit Maximization

The reason why Veblen never discussed – and could not have discussed – differential accumulation is embarrassingly simple: in his opinion, the end goal of all business undertakings is . . . *profit maximization!*

And that is only understandable. Despite his remarkable originality, Veblen was necessarily a product of his time. His emphasis on business power – or 'economic power' in today's lingo – helped open new research paths, particularly in the sociology of organizations, and influenced many thinkers, from C. Wright Mills (1956) to John Kenneth Galbraith (1967, 1983) to Michael Mann (1986). But in his mind, power was merely a means to an economic end. Although his texts are replete with references to 'differentials', his economic thinking was clearly absolute. In this respect, he remained fully aligned with the very neoclassicists he so effectively debunked.

Those who mistrace CasP's differential accumulation to Veblen's differential advantage overlook his strict adherence to profit maximization, so it is perhaps worth quoting him on this matter at some length (with extra emphases added for the benefit of Veblen skimmers):

The motives of the business man are pecuniary motives, inducements in the way of pecuniary gain to him or to the business enterprise with which he is identified. The end of his endeavors is, not simply to effect an industrially advantageous consolidation, but to effect it under such circumstances of ownership as will give him control of large business forces or bring him the largest possible gain (Veblen 1904: 36).

But the corporation is always a business concern, not an industrial appliance. It is a means of making money, not of making goods. The production of goods or services, wherever that sort of thing is included among the corporation's affairs, is incidental to the making of money and is carried only so far as will yield the largest net gain in terms of money, – all according to the principle of 'what the traffic will bear', or of balanced return', which underlies all sound business, and more particularly all corporation business (Veblen 1923: 85).

The absentee owner of natural resources is enabled to make them a source of free income, that is to say make them assets, by the power legally conferred on him to withhold them from use until his charge for their use is allowed him. What this charge will be is always a question of what the traffic will bear: which is the same as what will yield him the largest net return (Veblen 1923: 126).

Under such a (virtual) monopoly the charge collected on the traffic adjusts itself, quite as a matter of course, to what the traffic will bear. It has no other relation to the costs or the use-value of the service rendered. But what the traffic will bear is something to be determined by experience and is subject to continued readjustment and revision, with the effect of unremittingly keeping the charge close up to the practicable maximum (Veblen 1923: 147).

[Absentee ownership and absentee management on a grand scale take] effect through the colorless and impersonal channels of corporation management, at the hands of businesslike officials whose discretion and responsibility extend no farther than the procuring of a reasonably large – that is to say the largest obtainable – net gain in terms of price (Veblen 1923: 215).

It may accordingly be assumed that the case of America as it runs into the calculable future will continue to be ordered on the lines of absentee ownership without much afterthought, governed by business enterprise carried on with an eye single to the largest net gain in terms of price (Veblen 1923: 226).

It is the invariable practice of 'safe and sane' management to limit the output to 'what the traffic will bear', – that is to say, to what will yield the largest net gain to the absentee owners (Veblen 1923: 277).

And this is just a small sample (for more, see for example Veblen 1904: 93, 258, 262; and Veblen 1923: 67, 94, 238, 298, 368, 387-388). There is no way to square the circle here. Profit maximization is antithetical to the logic of differential accumulation, and by insisting on the former Veblen effectively (albeit unknowingly) rejected the later.

6. The Historical Backdrop

Finally, there is the issue of history. Veblen wrote in the early twentieth century and died in 1929. At the time, he was in no position to invent the concept of differential accumulation, let alone develop it into a full-fledged theory. The necessary historical conditions for such an articulation emerged only after his death.

Consider the following facts: although the ritual of capitalization dates back to the Middle Ages, economists started to examine it in earnest only at the turn of the twentieth century; the scientific study of finance commenced only with the Cowles Commission after the Crash of 1929 and the Great Depression; portfolio theory emerged only in the 1950s; and it was only in the 1960s and 1970s that discounting became a central aspect of corporate finance (Nitzan and Bichler 2009: Ch. 9 and 11). In other words, the key theoretical tools for examining differential accumulation were simply not there during Veblen's lifetime.

And the same goes for the data. Estimates of the national income and product accounts (NIPA) – including profit – were sanctioned only in 1932 (Carson 1975) and were first published only in the late 1940s. Similarly, the time series on corporate balance sheets and income statements published by the US Internal Revenue Service (IRS) only go back to 1926. Until these statistics became available, there was no clear notion of average incomes, average profits or average assets. Similarly with financial market indices. The Dow Jones Index began in the late nineteenth century, but until the emergence of industry-, sector- and size-based indices in the second half of the twentieth century, there were no relevant benchmarks to beat.

In other words, during Veblen's time there was no clear 'average' or 'normal' for individual investors and corporate organization to refer to, and no obvious mechanism to assess, let alone achieve, differential accumulation. This vacuum is evident in Graham and Dodd's *Security Analysis* (1934) – arguably the most famous finance textbook of the time (and some say of all time). The book, published five years after Veblen's death, contains no mention of the terms 'benchmark', 'benchmarking', 'normal rate of return', 'average rate of return' or 'average returns'. The phrase 'beating the stock market' appears twice, on the same page – but the discussion relates not to differential accumulation, but to the difficulty of 'buying low and selling high'. The term 'index' appears 12 times – but merely as a generic synonym for 'proxy' and 'measure'. The word 'differential' appears once – but only to denote a yield difference on a bond issue of a particular company. 'Dow Jones' appears seven times – but merely in a descriptive context and never in relation to differential performance. 'Poor's' (the predecessor to 'Standard and Poor's') is mentioned 14 times – twice to explain the nature of Poor's Manuals and 12 times as references to specific company data. In this context, it is clear that Veblen simply did not have the necessary raw materials – whether conceptual or empirical – to come up with the concept of differential accumulation.

7. In Sum

The CasP concept of differential accumulation has no lineage to Veblen's notion of differential advantage. Indeed, the two concepts, developed in two different eras, are diametrically opposed. Veblen, who wrote at the turn of the twentieth century, before the appearance of business indices and financial benchmarks, emphasized the *absolute* drive for 'maximum profit' and saw strategic sabotage merely as a power means to an economic end. By contrast, CasP, which was developed at the end of the twentieth century, sees power not only as a means of accumulation, but also – and perhaps more importantly – as its ultimate purpose. Accumulators, it argues, are conditioned and driven to augment not their profits and assets as such, but their relative power, and this means that, as symbolic bearers of power, these profits and assets should be measured not absolutely, but relatively to those of others – hence the imperative of *differential accumulation*.

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