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The renaissance of ordoliberalism in the 1970s and 1980s

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The Renaissance of Ordoliberalism in the 1970s and
1980s

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The Renaissance of Ordoliberalism in the 1970s and 1980s*

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Abstract

The economic tradition of *ordoliberalism*, understood as the theoretical and policy ideas of the Freiburg School, emerged in 1930s and 1940s Germany. In the years thereafter, it was quickly superseded by Keynesianism and other theories imported from the English-speaking world. The crisis in Keynesian economics in the mid-1970s led to what has been described as a “renaissance of ordoliberal reasoning” (Gebhard Kirchgässner) during the late 1970s and the 1980s. The present paper describes this development in detail and shows how it affected the academic discourse and, more indirectly, policymaking. In academic economics, ordoliberal concepts were used to inform debates about pressing issues of the day such as unemployment, social security reform, competition policy, the provision of public goods, and European integration. There was, however, no consensus on the methodological question of whether ordoliberalism could be fully integrated into international research programs such as the new institutional economics or constitutional economics. The paper argues that the renaissance of ordoliberalism failed to have a lasting impact on German academic economics and discusses possible implications of this finding for the future of the ordoliberal research agenda.

JEL classification: B29; D4; E6; H6; P16

Keywords: Ordoliberalism; Freiburg school; Economic policy; Social market economy; Keynesianism; European integration

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1. Introduction

The intellectual tradition of ordoliberalism emerged at the University of Freiburg in the 1930s and 1940s. Its creators were a group of economists and lawyers led by Walter Eucken and Franz Böhm. This *Freiburg School*¹ worked on two separate but related issues. First, they considered from a theoretical point of view the importance of the institutional framework in which market transactions take place (the so-called “economic constitution” of markets).² Second, they proposed a specific approach to economic policy (*Ordnungspolitik*) and an economic constitution which they approved of on normative grounds (the “competitive order”).³

After the end of World War II, ordoliberal ideas were instrumental in shaping Germany’s new economic system, the *social market economy* (Goldschmidt and Wohlgemuth 2008). As an academic research program, however, ordoliberalism was less successful. By the early 1950s, its influence had already faded, and the German economics profession had embraced Keynesian economic theory in the style of Paul Samuelson’s neoclassical synthesis (Hesse 2010, pp. 27–56).

The economic turmoil of the early 1970s famously brought about a “crisis in Keynesian economics” (Hicks 1974), both in terms of economic theory and in terms of economic policy. The observed instability of the relationship between monetary policy and unemployment, seen also in accelerating inflation rates of the late 1960s and 1970s, could no longer be explained by the neoclassical synthesis (Eichengreen 2020). Milton Friedman’s theory of an expectations-augmented Phillips curve not only improved the prediction of inflation rates but also helped monetarism with its strong emphasis on the role of monetary policy to rise in the Anglo-Saxon world. In fact, methodological reflections at that time also opened the door for the Lucas critique

¹ For an introduction to ordoliberalism and the Freiburg School, see Sally (1996).

² This academic research program (*Ordnungsökonomik* or *Ordnungstheorie*) developed “around the question what a good societal and economic order looks like, how it can be implemented, and what types of institutions and rules work better than others” (Horn 2022, p. 548).

³ On the distinction between ordoliberal theory and policy, see Vanberg (2004). Horn (2022) proposes to further distinguish the practical policy advice (*Ordnungspolitik*) from the normative standpoint on which it is based. The normative position of ordoliberalism is its commitment to creating a “functioning and humane order of the economy, society, law, and the state” (Eucken 1952/1990, p. 373). Note that all translations from German are by the authors, unless indicated otherwise.

and “rational expectations revolution”, i.e., the idea that policy could be accurately forecasted by rational agents, implying that systematic monetary policy would have little to no real effects (ibid.). This shift from Keynesian demand management to a (moderate) conservative reorientation in fiscal policy was echoed also in Germany (Johnson 1998). Here, the crisis of Keynesian economics led, on the one hand, to an increased interest in monetarist thinking and policy prescriptions as well as, on the other hand, to a renewed consideration of the points made by the ordoliberals decades earlier.

In recent years, there has been a resurgence of academic interest in ordoliberalism (Dold and Krieger 2019a, 2021; Horn 2022). This literature, which originates from various academic disciplines (including, e.g., economics, political science, law, sociology), focuses mostly on the arguments of the founding generation of ordoliberals, in particular the members of the Freiburg School and the ordoliberal social philosopher Wilhelm Röpke.⁴ Relatively little has been said about the development of ordoliberal thought in the later part of the 20th century. Our paper aims to fill this gap in the literature by recounting what has been described as the “renaissance of ordoliberal reasoning” (Kirchgässner 1988, p. 54) during the 1970s and the 1980s.

This renaissance occurred in parallel and/or in line with what has been termed the “neoliberal turn” of the early 1980s in the Western hemisphere (e.g., Madra and Adaman 2018). It originated from the fact that many German economists – independent of whether they considered themselves as ordoliberals or not – became suspicious of the state’s ability to direct market processes. At the 1980 meeting of the German Economic Association, held under the title “Future problems of the social market economy”, Knut Borchardt said on the issue: “Increasingly [in Germany] the view is spreading that the earlier hopes in the problem-solving capacity of the state must be thoroughly revised. ... You all know about the dashed hopes in the ability of efficient global control” (Borchardt 1981, p. 38). The term “global control” (*Globalsteuerung*) refers to Keynesian style demand management as introduced by Social Democrat Minister of Economic Affairs Karl Schiller.

The return to ordoliberalism proved challenging for two reasons. First, it required economists to apply ordoliberal ideas from decades earlier to the pressing policy issues of the 1970s and 1980s.

⁴ Recent scholarship on Röpke can be found in Commun and Kolev (2018).

In this paper, we will show how ordoliberal arguments were used in academic discourse to consider five such issues: Unemployment, social security reform, competition policy, the provision of public services, and European integration. Of these five issues, only competition policy was a core theme of the Freiburg School. Röpke was the only ordoliberal scholar of the founding generation who worked on European integration.⁵

Second, the renaissance of ordoliberalism led to the question of whether this particular German tradition could be integrated into better-known international research programs such as comparative economic systems, the new institutional economics, or constitutional economics.⁶ As will be seen, this discussion revealed some differences in opinion about the basic methodological premises of ordoliberalism.

From today's point of view, it seems clear that the renewed interest in ordoliberal arguments during the 1970s and 1980s did not re-establish ordoliberalism as a major influence on German academic economics (see, e.g., Bachmann 2019). A possible reason for this is that German economists during this period failed to develop the theoretical aspect of ordoliberalism, which would have required them to connect the German approach to the international mainstream while at the same time defining the specific ordoliberal contribution to the economic research agenda. Instead, they often treated ordoliberalism as a set of policy prescriptions, thus inviting criticism as to its ideological character (Kirchgässner 1988). The renaissance of ordoliberalism, as described in this paper, is thus a *cautionary tale* about the failure to open up a national research program to the scrutiny of an international audience.

The paper proceeds as follows. In Section 2, we will discuss the rise and fall of Keynesianism in Germany as a reference point for pinning down the times and academic impacts of early ordoliberalism and its later renaissance. Section 3 will highlight some applications of traditional ordoliberal thinking in the contemporary debates of the 1970s and 1980s. In Section 4, we will

⁵ Friedrich Hayek, a fellow-traveler of the ordoliberal movement but not an ordoliberal, also considered the possibilities of European integration (see Nientiedt 2022).

⁶ Taking today's perspective, Horn (2022, p. 548) points out that “‘Ordnungsökonomik’ ... [can best be] compared to constitutional economics, sharing many features with New Institutional Economics, public choice, property rights theory, law and economics.”

investigate the relationship between ordoliberalism and related international research programs, providing tentative answers to the question whether ordoliberalism was a German “Sonderweg”. Section 5 will conclude with a discussion of the relevance of ordoliberalism’s 1970s and 1980s renaissance for today’s – often highly critical – debates about ordoliberalism as well as some thoughts about how ordoliberal thinking of that time can be made useful for further developing a “*contemporary ordoliberalism*” (Dold and Krieger 2019a; 2019b; 2021).

2. The rise and fall of Keynesianism in Germany

The renaissance of ordoliberalism was preceded by a period in which Keynesianism dominated German academic economics and economic policy-making.⁷ Notably, the reception of Keynesianism in Germany was much delayed. While German economists met John Maynard Keynes’ *The General Theory* (Keynes 1936) with interest (Hagemann 2009), there was no Keynesian revolution in Germany during the 1930s. One reason for this was the National Socialists’ attempt to control the direction of academic discourse.⁸

The Freiburg School was founded in opposition to the economics and politics of National Socialism (Rieter and Schmolz 1993). But its members were still affected by Germany’s isolation from the outside world, especially after the beginning of WWII. In consequence, ordoliberalism developed independently of Anglo-Saxon economics. As one observer of Eucken’s London lectures in 1950 noted, after the war there existed a “tremendous gulf in the economic methodology of the Anglo-Saxon economist and his German counterpart” (Peacock 1952, p. 1*).

This gulf was closed quickly but not in favor of ordoliberal reasoning. In the 1950s, German academic economics underwent a transformation that “included wide acceptance of Keynes’s *General Theory* as well as other aspects of Anglo-American economics” (Dillard 1986, p. 120). At the same time, interest in ordoliberalism was waning with the “exception of a few faculties such as Freiburg or Cologne where the ideas of Ordoliberalism respectively of the economic style of the social market economy were prevailing” (Hagemann 2019, p. 597). One important person to

⁷ Regarding the impact of ordoliberalism on *legal* thinking in post-war Germany and Europe, see Gerber (1994).

⁸ On economics in Germany between 1933 and 1945, see Janssen (2012).

enable the German transition to the international mainstream was Erich Schneider, whose 1952 textbook *Introduction to Economic Theory III* made Keynesian-type macroeconomic models accessible to young economists. It was praised by Rothschild (1964, p. 4) as “one of the best introductions to modern economic analysis available, not alone in the German language but quite generally”.⁹

In economic policy-making, however, Keynesian ideas did not immediately take hold. The Federal Republic’s first Minister of Economic Affairs, Ludwig Erhard, cited ordoliberalism as the main inspiration for Germany’s post-war free market reforms (e.g., Erhard 1961/1988). The influence of ordoliberalism only weakened when Erhard’s Christian Democratic Party was forced to enter a coalition with the Social Democrats in 1966. Under the new coalition government, Karl Schiller became Minister of Economic Affairs. This marks the beginning of a Keynesian period in German economic policy-making (Hagemann 2013, pp. 47-49). The impact of Keynesianism can be seen particularly clearly in the 1967 Law to Promote Economic Stability and Growth (*Gesetz zur Förderung der Stabilität und des Wachstums der Wirtschaft*). The law introduced demand management as a tool to counteract business cycle fluctuations and established a high level of employment as a central aim of German economic policy.

In the early 1970s, Keynesian theory and economic policy came under pressure in many developed economies (see, e.g., Eichengreen 2020). The advent of stagflation – i.e., low or even negative growth rates combined with rising prices and high unemployment (Bruno and Sachs 1985; Helliwell 1988) – confronted policy-makers with a dilemma in which the established Keynesian models did not suggest a clear path for action. For Germany, the stagflation following the oil price shock of 1973 was the first major economic setback since the war. GDP growth fell from 4.8% in 1973 to minus 0.9% in 1975, while the unemployment rate jumped from 1.2% to 4.7%. At the same time, inflation remained high with a peak of 7.1% in 1973.¹⁰

The German reaction to stagflation was in line with the newest economic literature. In 1974, the Bundesbank set a money supply target for the first time, thus implementing a key proposition of

⁹ Another influential German textbook with an explicit introduction to Keynesianism is Paulsen (1950).

¹⁰ Data taken from Bundesagentur für Arbeit (2022) and Destatis (2022a; 2022b).

monetarism (Hagemann 2013, p. 48; Richter 1999, pp. 70-103).¹¹ Starting in 1975, the German Council of Economic Experts (GCEE) argued in favor of supply-side economic policy in their annual reports, an idea that was just emerging in the US. Two influential advocates of supply-side economics (“supply-siders”) in Germany were Herbert Giersch and Olaf Sievert, both long-serving members of the GCEE.¹² But what is more, German economists also considered once again the policy prescriptions of ordoliberalism – a doctrine which had always been cautious about discretionary interventions in the market economy.

By way of international comparison, German ordoliberalism was not as politically successful as Anglo-Saxon neoliberalism. The two doctrines, which were essentially identical during the 1930s and 1940s, had started to drift apart in the 1950s. In broad strokes, ordoliberalism remained committed to the economic policy views associated with the “old” Chicago School, while Anglo-Saxon neoliberalism embraced those of the “new” Chicago School (on this distinction, see Buchanan 2010/2020). During the 1980s, neoliberalism arguably influenced the economic policy of the Thatcher and Reagan governments in the UK and the US, respectively. The influence of ordoliberalism on German policy-making during this period on the other hand was much less pronounced (Biebricher 2016).

3. The renewed interest in Ordoliberal thinking and its applications in contemporary debates

In the following, we illustrate how ordoliberal arguments informed the debate in German academic economics of the 1970s and 1980s. The choice of topics follows a survey article by Armin Bohnet and Wolfgang Mansfeld entitled “Renaissance of ordoliberal policy” (1981).¹³ In addition to the

¹¹ For a brief overview of the history of monetarism and monetarist monetary policy, see DeLong (2000). The reception of monetarism in the German-speaking countries was facilitated particularly by Karl Brunner; see the contributions in Moser and Savioz (2022). It can be argued that traditional ordoliberalism and monetarism are related in that both trace their perspective on monetary policy to the quantity theory of money. Eucken’s student Friedrich Lutz – himself an adherent of the quantity theory – suggests as much in a 1971 statement given to the Scientific Advisory Board to the Ministry of Economic Affairs (Bundesministerium für Wirtschaft 1971, p. 7).

¹² On the use of supply-side arguments in the GCEE reports, see Feld and Molitor (2022).

¹³ An alternative approach would have been to ask which topics ordoliberal scholars worked on at the time. Küsters (2022) answers this question by analyzing the articles published in the *ORDO* yearbook, a journal founded by Eucken

topics identified by the two authors, we also consider the issue of European integration. Given the recent discussion about ordoliberalism's influence on European institutions and governance (e.g., Beck and Kotz 2017; Dold and Krieger 2019a), we believe that the inclusion of this topic is warranted.

Unemployment: It was already noted that the first half of the 1970s saw the end of full employment in Germany. During the 1980s, unemployment became widespread and persistent. While traditional ordoliberalism had relatively little to say about macroeconomic issues, this specific phenomenon lent itself to an ordoliberal interpretation. Ordoliberals of the period doubted that unemployment stemmed from macroeconomic factors. Instead, they put forward that the cause were institutional characteristics of the German labor market, such as strong labor protection laws and the influence of trade unions. As explained by Artur Woll (1980; 1988), these institutional factors led to unsustainable wage levels and discouraged job creation.¹⁴ Empirical comparisons of the German and US labor market vindicated the ordoliberal interpretation of this unemployment phase (Burda and Sachs 1987).

Social security reform: The 1970s were characterized by a substantial expansion of the German welfare state.¹⁵ The ordoliberal contribution to the debate over social security was to emphasize the importance of “system compatible social policy” (Stützel 1980). The idea of system or market compatibility (*Marktkonformität*) was first brought forward by Alfred Müller-Armack (1946/1976). Building on this, Wolfgang Stützel (1980) distinguished three kinds of welfare

and Böhm in 1948, with text mining methods. With respect to the time under consideration in our paper, he writes (p. XX): “The second generation, characterised by the writings of [Helmut] Gröner, [Hans Otto] Lenel, [Ernst-Joachim] Mestmäcker, [Christian] Watrin, and [Hans] Willgerodt between 1970 and 1990, adopted the previous model of ‘complete competition’ and introduced, following the basic ideas of Hayek, more dynamic arguments. As a result, ORDO authors also dealt with newer subjects like industrial and technology policy or European integration.” These topics correspond to our categories competition policy, European integration and – to a lesser degree – public service provision.

¹⁴ On German labor market rigidities as part of a general growth problem in Western Europe during this period (coined “Eurosclerosis”), see Giersch (1985).

¹⁵ Between 1970 and 1975, social welfare spending as a share of GDP increased from 20.2% to 26.3% (Bundesministerium für Arbeit und Soziales 2020).

policies: Subsidies for the producers of certain welfare goods (e.g., social housing), restrictions on the freedom of contract (e.g., labor protection laws) and “open transfer systems” – essentially all redistribution schemes (e.g., unemployment insurance). Stützel argued that social policy in a market economy should focus exclusively on redistributive transfers because they leave the price system unimpaired.¹⁶ Note that the criterion of system compatibility does not necessarily limit welfare spending.

Competition policy: One of the key ideas of the Freiburg School was that a competition authority should make companies behave “as if” they were engaged in competition. In accordance with this idea, the German competition law GWB established a norm against the abuse of market power. By the 1970s, the notion of “as if” competition had been questioned by, among others, Hayek, who maintained that the result of the competitive process was unknowable. Thus, ordoliberals moved away from wanting to prevent the abuse of market power and toward the idea that the competition authority should prevent the emergence of market-dominating positions in the first place. An influential scholar to facilitate this development was Hans Otto Lenel (1972a; 1972b; 1976). In concrete terms, Lenel argued in favor of creating a provision for merger control, which was in fact added to the GWB in 1973.¹⁷

Provision of public services: The policy proposals of the early ordoliberals were geared towards creating the basic institutional framework required for markets to function. In the decades following the end of WWII, the West German state gradually took on more responsibilities, including the provision of services that were supposedly under-provided by the market. The rise of the productive state drew attention to the importance of the public administration as a political

¹⁶ Scholars of another important German tradition in economic reasoning (with partial overlap to ordoliberalism), namely *public economics*, take a more nuanced view on the welfare state and welfare spending. For instance, Sinn (1997, p. 495) points out: “Economists have learned so much about the Laffer curve, Leviathan, and a myriad of disincentive effects brought about by government intervention that they have lost sight of the allocative advantages of the welfare state.”

¹⁷ Eucken, too, expressed the idea that the oversight of established markets should be supplemented by a “prophylactic [competition] policy” (Eucken 1946/1999, p. 37) that would “eliminate the conditions for the formation and existence of trusts (*Konzernen*)” (ibid., p. 36). For ordoliberal arguments against (discretionary) merger control, see Hoppmann (1972).

actor in its own right. Referencing the pioneering work of William Niskanen (1971), Hans Willgerodt (1979) warned against the potential inefficiencies of public administration, such as overregulation of markets and overproduction of services. As a remedy he proposed limiting the state's fiscal capacity which would indirectly also limit the powers of the administration.

European integration: During the 1970s and 1980s, the European states made substantial progress on the path to Economic and Monetary Union. Perhaps most importantly, the European Monetary System, established in 1979, created a mechanism for exchange rate coordination. Röpke had been somewhat skeptical of early steps toward European integration (Feld 2012). However, in the 1960s and 1970s, a new generation of ordoliberals emerged that promoted the European project both intellectually and practically (Slobodian 2018). As put forth by Ernst-Joachim Mestmäcker (1973), the ordoliberal argument in favor of European integration is to view the *Treaty of Rome* (together with the early jurisprudence of the *European Court of Justice*) as an economic constitution in the sense of Eucken. It set the rules of the “economic game” by establishing a competitive market order throughout Europe (Dold and Krieger 2019a). More specifically, this European “integration through law”¹⁸ started with treaties that followed the “logic of the market”, today best known for the four *basic freedoms* of the single market, i.e., the free movement of goods, services, people, and capital across borders (Weiler, 1991; Joerges, 2016; Dold and Krieger 2019a). At the same time, the position of the early European Commission did not allow it much influence over the gameplay itself, only a role in enforcing the rules of the game (Dold and Krieger 2019a).¹⁹ Developing this framework allows Europeans to curb their nation states' discretionary power and bind them through constitutionally guaranteed legal principles as well as a common money. The actual development of European integration, however, took a different direction than ordoliberals of that time had wished because economic integration based on the principles of a competitive market order became increasingly dominated by efforts to integrate Europe in realms beyond the market (ibid.). Therefore, some next-generation ordoliberals turned away from this version of a

¹⁸ According to Walter Hallstein (the first president of the European Commission), the European Community is a “creation by law, a source of law, and a legal order” (Hallstein 1979, p. 3).

¹⁹ Dold and Krieger (2019a) point out that to this day, the Directorate-General for Competition (DG Competition) remains the most prominent DG within the Commission, with the explicit goal of making EU markets work better by directly enforcing European competition rules.

European Union and expressed their discontent with the Union's move to a legally, politically, and socially integrated federation. For instance, Streit and Mussler (1995, p. 27) state that the "EU Treaty can be summarized to the effect that the Union is likely to develop corporatist structures quite similar to those of the Member States. As such, it will transform itself from a community under the law to a rent-seeking community".

4. "Sonderweg" or not? The integration of Ordoliberalism into international research programs

The literature on public administration mentioned above was part of a larger academic movement of the 1970s aimed at analyzing institutions and political processes with the tools of economics. Two strands of this movement can be distinguished: The *new institutional economics* focused on the economic logic underlying the existence of social and legal institutions (Williamson 1975), while *public choice theory* modeled the behavior of political agents based on the *homo oeconomicus* assumptions of economics (Mueller 1976).

The renewed interest in institutional economics during the 1970s coincided with the renaissance of ordoliberalism in Germany (Thieme 1988, p. 21). This parallel development posed the problem of defining the relationship between the German tradition and various new and existing international research programs. Should ordoliberalism be thought of as a German peculiarity (*Sonderweg*), or rather the German version of a similar research program?²⁰

Clearly, traditional ordoliberalism was broadly institutionalist in the sense that its founders would have agreed with the dictum that "institutions matter" (Tietzel 1991, pp. 5-6). However, certain methodological arguments were brought against the integration of ordoliberalism into the international mainstream. The first argument was the relationship of ordoliberalism and economic theory; the second argument was ordoliberalism's ignorance of political processes.

The first argument was raised when discussing the affinity between ordoliberalism and comparative economic systems as well as the new institutional economics. The argument states

²⁰ The same question came up again in a 2009 discussion about the future direction of German academic economics. See Caspari and Schefold (2011).

that traditional ordoliberalism is incompatible with standard – i.e., neoclassical – economic theory because it does not produce empirically relevant hypotheses about economic behavior. Eucken’s approach to economic theory yields a “morphological scheme” of ideal types of economic systems. He posits that any real-world economy can be described as a mixture of a limited number of “basic pure forms” or ideal types of economic system, the most important ones being the exchange economy and the centrally administered economy (Eucken 1940/1950, pp. 117-177). While these ideal types highlight important characteristics of real-world economies, it was claimed that they are not “testable” in the same way that the hypotheses of economic models can be tested (Bohnet and Mansfeld 1980). A more radical version of this argument is that traditional ordoliberalism is theory-less and that the ideal types were chosen to serve a political rather than epistemic function (Riese 1972).

While Eucken’s approach to economic theory may have seemed outdated to observers in the 1970s and 1980s, we would argue that his ideal type concept is generally compatible with neoclassical theory. Eucken distinguishes between ideal types and real types. Real types describe economic reality at a certain point in time – e.g., the medieval city economy – while ideal types are purely “intellectual model[s]” (Eucken 1940/1950, p. 348). Eucken mentions the example of Johann Heinrich von Thünen’s isolated state, an early model of agricultural land use.²¹ Although ideal types have never existed in any pure form, Eucken says that they are discoverable in the real world (ibid., pp. 347-349). More importantly, by their virtue of being models, ideal types have theoretical implications that can be tested.²²

The second argument against the integration of ordoliberalism into the international mainstream was raised from the perspective of public choice theory. The argument is based on the fact that ordoliberalism offers many proposals for institutional reform that would need to be implemented by the state. At the same time, traditional ordoliberalism does not have a positive theory of how the state works. In the view advanced by Gebhard Kirchgässner (1988), this implies that

²¹ Von Thünen’s model was published in the early 19th century (von Thünen 1826) and, according to Samuelson (1983, p. 1468), “not only created marginalism and managerial economics, but also elaborated one of the first models of general equilibrium and did so in terms of realistic econometric parameters.”

²² There are, for example, papers testing the implications of the isolated state model (see the discussion in Griffin 1973).

ordoliberal policy proposals are directed at the political elite rather than ordinary citizens. Of course, in a democracy, the state's actions are ultimately determined by the wishes of citizens. Kirchgässner concluded that ordoliberalism cannot be reconciled with public choice theory because the German tradition is not built upon an explicitly democratic foundation.²³

To be sure, the members of the Freiburg School insisted on the delineation between the subject matter of economics and that of politics. As Eucken put it: "Economic theory cannot demonstrate *why* the Greek city-state introduced a wheat monopoly, or *why* Queen Elizabeth intervened in the fixing of wages" (Eucken 1940/1950, p. 220). And Böhm asked as late as 1973: "Shouldn't an economist or a commercial lawyer in his theoretical considerations quite simply ... presuppose a 'state' acting according to rational principles?" (Böhm 1973, p. 18). Thus, traditional ordoliberalism assumed that the outcome of the political process must be taken as given by the economist.²⁴

Does this make ordoliberalism incompatible with public choice theory? Viktor Vanberg (1988) proposed a different reading. He emphasized the strong complementarities between ordoliberalism and *constitutional economics*, a subfield of public choice theory. In addition, Vanberg (1997) argued that adopting a positive theory of politics would not only be possible but that it would strengthen the ordoliberal approach. Following Vanberg's argument, Lars Feld and Ekkehard Köhler (2019) argue that the convergence of ordoliberalism and constitutional economics is necessary to ensure the future viability of the ordoliberal research program. Other authors, e.g., Malte Dold and Tim Krieger (2019a; 2019b; 2021), maintain, however, that part of ordoliberalism's competitive advantage lies in its normative commitment to liberal values (such as individual opportunities for economic and political participation) and a moral – not solely economic – defense of free, open, and competitive markets. This is why they see the future of ordoliberalism in the emerging field of *Philosophy, Politics, and Economics* (PPE).

²³ Public choice theory is by definition an inquiry into democratic (although not necessarily majoritarian) decision-making. On the lack of a democratic foundation of ordoliberalism, see also Frey (1981).

²⁴ For methodological arguments on why this should be the case, see Eucken's discussion of the "data frontier" (*Datengrenze*) of economics (Eucken 1940/1950, pp. 213–216).

5. Discussion and conclusion: Toward another renaissance of ordoliberalism?

This paper's look back to the 1970s and 1980s revealed a short-lived renaissance of ordoliberalism in German academic economics. The worldwide crisis of traditional Keynesian-style economic theory and economic policy in the late 1960s and early 1970s opened up a window for alternative, more conservative-liberal economic positions. During this time, parts of the German academic economics profession resorted to traditional ordoliberal ideas, which they adopted to recent economic challenges (e.g., open-economy macroeconomics in times of stagflation, European integration). However, at no point did the renaissance of ordoliberalism re-establish this tradition as a significant influence on German academic economics.

What caused this lack of influence? While rhetorical references to ordoliberalism have historically proven helpful for politicians or academics addressing the public at large (Dyson 2017; 2019), academic economics has different incentives. The lack of formal theory and empirics in ordoliberalism (i.e., its failure to connect to the international mainstream) made it less attractive for an increasing number of researchers who wanted to approach an international audience. Ordoliberalism was too much a "Sonderweg" in this respect.

The ordoliberal renaissance took place at a time when the German university system expanded strongly, including a rising number of professorships and academic positions in economics.²⁵ Newly appointed professors and young researchers embraced "modern", internationally oriented trends in economic science, which had – at that time – a strong pro-market tilt and revealed skepticism of the role of the state in the economy. These trends included not only monetarism and rational expectations theory (in macroeconomics) but also, e.g., *public choice theory* (as an alternative to welfarist *public economics*) and various forms of liberal-conservative positions in economic policy (e.g., "activating" social policy).

²⁵ For instance, in 1976, the number of "full and associate professors" (*ordentliche und außerordentliche Professoren*) in economics, management and other social sciences totalled 811 (Destatis 1976, p. 11), rising to 1,582 "full professors" (*Professoren C4*; note that associate professors were no longer counted in this category from the 1980s onward) in 1981 (Destatis 1981, p. 16). Academic personnel in economics and management in total rose by approx. 50 percent from 1972 (1,630 persons) to 1981 (2,436 persons) (ibid., p. 13).

While having some resemblance with traditional ordoliberal arguments, these research programs offered additional academic perspectives (in theory, empirics and international scope); or, to put it the other way round, ordoliberalism was at best instrumental in addressing a German audience and gaining access to German policy-makers but it did no longer serve as a platform for modern economic research. As an aside, it remains an open question (left to future research) whether ordoliberals of the 1990s and 2000s who were critical of the Euro and the European Union were in fact “genealogically ordoliberal” or simply liberal-conservative economists who – for practical reasons – sometimes claimed to be part of the ordoliberal camp.²⁶

During the 1970s and 1980s, ordoliberalism failed to develop its theoretical aspect and connect it – with its own specific contribution – to international mainstream research programs in economics and/or neighboring disciplines. It remained introspective, lacked – by international standards – quality as well as openness and consequently did not reap the benefits of the methodological diversity and division of labor within the discipline (Horn 2022). Nevertheless, ordoliberal scholars took regularly and actively part in inner-German academic and public debates about concrete economic policy measures. The main effect of this was to invite criticism as to ordoliberalism’s alleged ideological character.²⁷ Unsurprisingly, ordoliberalism’s academic relevance remained unchanged by its brief renaissance.

By the late 2000s, ordoliberalism was marginalized in the German economics profession. Only through the Eurozone crisis in the late 2000s and early 2010s, ordoliberalism came to the center of attention again – although mostly outside of Germany and initially unnoticed by the ordoliberals (Dold and Krieger 2019a; 2021). This resulted from the allegation of an “ordoliberalization of Europe”, which was mainly a convenient labelling of the German approach to handling the crisis (Hien and Joerges 2017).

²⁶ This question has an interesting implication: many critics of the alleged “ordoliberalization” of Europe refer to early ordoliberal thinking to prove their point; however, ideationally it may be the case that the true roots of their seemingly ordoliberal arguments are in new Chicago-style neoliberalism (Young 2018).

²⁷ This criticism was – in parts – ideological itself (Dold and Krieger 2021). Many debates boiled down to fundamental, often distributive questions, e.g., about the role of the state in the economy. These debates were fostered by the lack of international academic exchange of, in particular, empirical findings on these very questions (e.g., on the effect of specific institutional settings on distributional outcomes).

The renewed interest in and the harsh critique of ordoliberalism during the last decade provoked a response by (not only German) economists who are sympathetic to the core ideas of ordoliberal reasoning and started to counter the critique. Many of them consider the current debate as an opportunity to further develop and renew the ordoliberal tradition by connecting it this time with the international academic discourse and applying state-of-the-art methodology.²⁸ It remains to be seen whether this “renaissance of ordoliberalism” of the 2020s will succeed or whether it will be as inconsequential as its last renaissance.

²⁸ See also Braunberger (2022), one of the editors of Germany’s most important newspaper *Frankfurter Allgemeine Zeitung*, who recently called explicitly for a “renaissance of ordoliberalism” in a time of global disorder.

References

- Bachmann, R. (2019). Ordoliberalism from the perspective of a US-trained macroeconomist. In: M. Dold & T. Krieger (Eds.), *Ordoliberalism and European economic policy. Between Realpolitik and economic utopia* (pp. 108–122). Abingdon and New York: Routledge.
- Beck, T., & Kotz, H.-H. (Eds.). (2017). *Ordoliberalism: a German oddity?*. VoxEU.org eBook. London: CEPR Press.
- Biebricher, T. (2016). Return or revival: The ordoliberal legacy (interview with William Callison). *Near Futures Online*, 1, 1–13.
- Böhm, F. (1973). Eine Kampfansage an Ordnungstheorie und Ordnungspolitik: Zu einem Aufsatz im Kyklos. *ORDO*, 24, 11–48.
- Bohnet, A., & Mansfeld, W. (1980). Auf dem Wege zu einer allgemeinen Theorie der Wirtschaftsordnung? Über einige Entwicklungen in neueren Arbeiten. *Journal of Economics and Statistics*, 195(6), 497–517.
- Bohnet, A., & Mansfeld, W. (1981). Renaissance der Ordnungspolitik. *Wirtschaftsdienst*, 61(5), 223–227.
- Borchardt, K. (1981). Die Konzeption der Sozialen Marktwirtschaft in heutiger Sicht. In O. Issing (Ed.), *Zukunftsprobleme der sozialen Marktwirtschaft: Verhandlungen auf der Jahrestagung des Vereins für Socialpolitik in Nürnberg 1980* (pp. 33–53). Berlin: Duncker & Humblot.
- Braunberger, G. (2022). Ordnung in einer unsicheren Welt. *Frankfurter Allgemeine Zeitung*, No. 263 (November 11, 2022), 18.
- Bruno, M., & Sachs, J. D. (1985). *Economics of worldwide stagflation*. Cambridge, MA: Harvard University Press.
- Buchanan, James M. (2010/2020). Chicago School thinking: Old and new. In D. M. Levy & S. J. Peart (Eds.), *Towards an economics of natural equals: A documentary history of the early Virginia School* (pp. 187–194). Cambridge: Cambridge University Press.
- Bundesagentur für Arbeit (2022). *Arbeitslosigkeit im Zeitverlauf: Entwicklung der Arbeitslosenquote (Strukturmerkmale)*. Nuremberg: Bundesagentur für Arbeit.

Bundesministerium für Arbeit und Soziales (2020). *Sozialbudget 2019*. Bonn: Bundesministerium für Arbeit und Soziales.

Bundesministerium für Wirtschaft (1971). *Protokoll der 140. Tagung des Wissenschaftlichen Beirats beim Bundeswirtschaftsministerium am 5./6. Februar 1971 in Baden-Baden*. Bonn: Bundesministerium für Wirtschaft.

Burda, M. C., & Sachs, J. D. (1987). *Institutional factors in high unemployment in the Federal Republic of Germany*. NBER Working Paper 2241.

Caspari, V., & Schefold, B. (Eds.). (2011). *Wohin steuert die ökonomische Wissenschaft? – Ein Methodenstreit in der Volkswirtschaftslehre*. Frankfurt am Main: Campus.

Commun, P., & Koley, S. (Eds.). (2018). *Wilhelm Röpke (1899–1966): A liberal political economist and conservative social philosopher*. New York: Springer.

DeLong, J. B. (2000). The triumph of monetarism? *Journal of Economic Perspectives*, 14 (1), 83–94.

Destatis (1976). *Personal an Hochschulen 1976*. Fachserie / 11 / 4 / 4. Wiesbaden: Statistisches Bundesamt.

Destatis (1981). *Personal an Hochschulen 1981*. Fachserie / 11 / 4 / 4. Wiesbaden: Statistisches Bundesamt.

Destatis (2022a). *Preise. Verbraucherpreisindizes für Deutschland. Lange Reihen ab 1948*. Wiesbaden: Statistisches Bundesamt.

Destatis (2022b). *Volkswirtschaftliche Gesamtrechnungen. Bruttoinlandsprodukt, Bruttonationaleinkommen, Volkseinkommen. Lange Reihen ab 1925*. Wiesbaden: Statistisches Bundesamt.

Dillard, D. (1986). The influence of Keynesian thought on German economic policy. In H. L. Wattel (Ed.), *The policy consequences of John Maynard Keynes* (pp. 116–127). London: Macmillan.

Dold, M., & Krieger, T. (Eds.). (2019a). *Ordoliberalism and European economic policy. Between Realpolitik and economic utopia*. Abingdon and New York: Routledge.

- Dold, M., & Krieger, T. (2019b). The “new” crisis of the liberal order: Populism, socioeconomic imbalances, and the response of contemporary ordoliberalism. *Journal of Contextual Economics*, 139(2–4), 243–258.
- Dold, M., & Krieger, T. (2021). The ideological use and abuse of Freiburg’s ordoliberalism. Forthcoming in: *Public Choice*.
- Dyson, K. (2017). Ordoliberalism as tradition and as ideology. In C. Joerges & J. Hien (Eds.), *Ordoliberalism, law and the rule of economics*. Oxford: Hart Publishing.
- Dyson, K. (2019). Ordoliberalism and the cross-national disciplinary revolution in liberalism. In M. Dold & T. Krieger (Eds.), *Ordoliberalism and European economic policy: Between realpolitik and economic utopia* (pp. 91–107). Abingdon and New York: Routledge.
- Eichengreen, B. (2020). Keynesian economics: can it return if it never died? *Review of Keynesian Economics*, 8(1), 23–35.
- Erhard, L. (1961/1988). Gestern – Heute – Morgen. In *Gedanken aus fünf Jahrzehnten* (pp. 684–704). Düsseldorf: Econ.
- Eucken, W. (1940/1950). *The foundations of economics: History and theory in the analysis of economic reality*. London: William Hodge.
- Eucken, W. (1946/1999). Industrielle Konzentration. In W. Oswalt (Ed.), *Ordnungspolitik* (pp. 25–37). Münster: Lit Verlag.
- Eucken, W. (1952/1990). *Grundsätze der Wirtschaftspolitik*. Tübingen: Mohr Siebeck.
- Feld, L. P. (2012). Europa in der Welt von heute: Wilhelm Röpke und die Zukunft der Europäischen Währungsunion. *ORDO*, 63, 403–428.
- Feld, L. P., & Köhler, E. A. (2019). The future of German ordoliberalism. In: M. Dold & T. Krieger (Eds.), *Ordoliberalism and European economic policy. Between Realpolitik and economic utopia* (pp. 237–245). Abingdon and New York: Routledge.
- Feld, L. P., & Molitor, C. (2022). Vorwort der Herausgeber. In O. Sievert, *Einfache Wahrheiten zählen. Beratung mit ordnungspolitischen Anspruch. Gesammelte Schriften* (pp. V–XIV). Tübingen: Mohr Siebeck.

- Frey, B. S. (1981). Elemente einer zukünftigen Theorie der Wirtschaftspolitik. *Zeitschrift für Wirtschafts- und Sozialwissenschaften*, 101(4), 361–377.
- Gerber, D. J. (1994). Constitutionalizing the economy: German neo-liberalism, competition law and the “new” Europe. *American Journal of Comparative Law*, 42(1), 25–84.
- Giersch, H. (1985). *Eurosclerosis*. Kiel Discussion Papers No. 112.
- Goldschmidt, N., & Wohlgemuth, M. (2008). Social market economy: Origins, meanings and interpretations. *Constitutional Political Economy*, 19(3), 261–276.
- Griffin, E. (1973). Testing the Von Thunen theory in Uruguay. *Geographical Review*, 63(4), 500–516.
- Hagemann, H. (2009). Zur frühen Rezeption der General Theory durch deutschsprachige Wirtschaftswissenschaftler. In H. Hagemann, G. Horn, & H.-J. Krupp (Eds.), *Aus gesamtwirtschaftlicher Sicht. Festschrift für Jürgen Kromphardt* (pp. 71–104). Marburg: Metropolis.
- Hagemann, H. (2013). Germany after World War II: Ordoliberalism, the social market economy and Keynesianism. *History of Economic Thought and Policy*, 1(1), 37–51.
- Hagemann, H. (2019). Keynesianism in Germany. In R. W. Dimand & H. Hagemann (Eds.), *The Elgar Companion to John Maynard Keynes* (pp. 595–602). Munich: Franz Vahlen.
- Hallstein, W. (1979). *Die Europäische Gemeinschaft* (5th ed.). Düsseldorf: Econ.
- Helliwell, J. F. (1988). Comparative macroeconomics of stagflation. *Journal of Economic Literature*, 26(1), 1–28.
- Hesse, J.-O. (2010). *Wirtschaft als Wissenschaft: Die Volkswirtschaftslehre in der frühen Bundesrepublik*. Frankfurt am Main: Campus.
- Hicks, J. R. (1974). *The crisis in Keynesian economics*. Oxford: Basil Blackwell.
- Hien, J., & Joerges, C. (2017). Das aktuelle europäische Interesse an der ordoliberalen Tradition. *Leviathan*, 45(4), 459–493.
- Hoppmann, E. (1972). *Fusionskontrolle (Walter Eucken Institut Vorträge und Aufsätze 38)*. Tübingen: Mohr Siebeck.

Horn, K. (2022). Ordoliberalism: neither exclusively German nor an oddity. A review essay of Malte Dold's and Tim Krieger's *Ordoliberalism and European economic policy. Between Realpolitik and economic utopia*. *Review of Austrian Economics*, 35(4), 547–560.

Janssen, H. (2012). *Nationalökonomie und Nationalsozialismus: Die deutsche Volkswirtschaftslehre in den dreißiger Jahren des 20. Jahrhunderts* (4th ed.). Marburg: Metropolis.

Joerges, C. (2016). The overburdening of European law through Economic and Monetary Union. In T. Krieger, B. Neumärker, & D. Panke (Eds.), *Europe's crisis: the conflict-theoretical perspective* (pp. 155–176). Baden-Baden: Nomos.

Johnson, P. A. (1998). *The government of money: monetarism in Germany and the United States*. Ithaca: Cornell University Press.

Keynes, J. M. (1936). *The general theory of employment, interest and money*. London: Macmillan.

Kirchgässner, G. (1988). Wirtschaftspolitik und Politiksystem: Zur Kritik der traditionellen Ordnungstheorie aus der Sicht der Neuen Politischen Ökonomie. In D. Cassel, B.-T. Ramb, & H. J. Thieme (Eds.), *Ordnungspolitik* (pp. 53–75). Munich: Franz Vahlen.

Küsters, A. (2022). Ordering *ORDO*: capturing the Freiburg School's post-war development through a text mining analysis of its yearbook (1948–2014). Forthcoming in: *Economic History Yearbook*.

Lenel, H. O. (1972a). Zum Teerfarbenurteil und zur sogenannten Fusionskontrolle. *ORDO*, 23, 307–328.

Lenel, H. O. (1972b). Kontrolle des Entstehens und Mißbrauchs wirtschaftlicher Macht. In D. Cassel, G. Gutmann, & H. J. Thieme (Eds.), *25 Jahre Marktwirtschaft in der Bundesrepublik Deutschland: Konzeption und Wirklichkeit* (pp. 77–92). Stuttgart: Gustav Fischer.

Lenel, H. O. (1976). Perfect and free competition as guiding principles in competition policy towards large enterprises. In A. P. Jacquemin & H. W. de Jong (Eds.), *Markets, corporate behaviour and the state: International aspects of industrial organization* (pp. 316–323). The Hague: Martinus Nijhoff.

- Madra, Y. M., & Adaman, F. (2018). Neoliberal turn in the discipline of economics: depoliticization through economization. In Cahill, D., Cooper, M., Konings, M., & Primrose, D. (Eds.), *The SAGE Handbook of Neoliberalism* (pp. 113–128). London: Sage.
- Mestmäcker, E.-J. (1973). Macht – Recht – Wirtschaftsverfassung. In H. K. Schneider & C. Watrin (Eds.), *Macht und ökonomisches Gesetz* (pp. 183–200). Berlin: Duncker & Humblot.
- Moser, T., & Savioz, M. (Eds.). (2022). *Karl Brunner and monetarism*. Cambridge, MA: MIT Press.
- Mueller, D. C. (1976). Public choice: A survey. *Journal of Economic Literature*, 14(2), 395–433.
- Müller-Armack, A. (1946/1976). Wirtschaftslenkung und Marktwirtschaft. In *Wirtschaftsordnung und Wirtschaftspolitik. Studien und Konzepte zur Sozialen Marktwirtschaft und zur Europäischen Integration* (pp. 19–170). Bern: Paul Haupt.
- Nientiedt, D. (2022). F. A. Hayek and the world of tomorrow: The principles of international federalism. *Cosmos and Taxis*, 10(11–12), 97–103.
- Niskanen, W. A. (1971). *Bureaucracy and representative government*. Chicago: Aldine-Atherton.
- Paulsen, A. (1950). *Neue Wirtschaftslehre. Einführung in die Wirtschaftstheorie von John Maynard Keynes und die Wirtschaftspolitik der Vollbeschäftigung*. Berlin: Franz Vahlen.
- Peacock, A. T. (1952). The problem of economic power. *Weltwirtschaftliches Archiv*, 68, 1*–6*.
- Richter, R. (1999). *Deutsche Geldpolitik 1948–1998: Im Spiegel der zeitgenössischen wissenschaftlichen Diskussion*. Tübingen: Mohr Siebeck.
- Riese, H. (1972). Ordnungsidee und Ordnungspolitik – Kritik einer wirtschaftspolitischen Konzeption. *Kyklos*, 25(1), 24–48.
- Rieter, H., & Schmolz, M. (1993). The ideas of German ordoliberalism 1938–1945: Pointing the way to a new economic order. *European Journal of the History of Economic Thought*, 1(1), 87–114.
- Rothschild, K. W. (1964). The old and the new – some recent trends in the literature of German economics. *American Economic Review*, 54(2), 2–33.

- Sally, R. (1996). Ordoliberalism and the social market: Classical political economy from Germany. *New Political Economy*, 1(2), 233–257.
- Samuelson, P. A. (1983). Thünen at two hundred. *Journal of Economic Literature*, 21(4), 1468–1488.
- Sinn, H.-W. (1995). A theory of the welfare state. *Scandinavian Journal of Economics*, 97(4), 495–526.
- Slobodian, Q. (2018). *Globalists: The End of Empire and the Birth of Neoliberalism*. Cambridge, MA: Harvard University Press.
- Streit, M. E., & Mussler, W. (1995). The economic constitution of the European community: From “Rome” to “Maastricht”. *European Law Journal*, 1(1) 5–30.
- Stützel, W. (1980). Systemkonforme Sozialpolitik in der sozialen Marktwirtschaft. *Wirtschaftsdienst*, 60(9), 450–455.
- Tietzel, M. (1991). Der neue Institutionalismus auf dem Hintergrund der alten Ordnungsdebatte. *Jahrbuch für Neue Politische Ökonomie*, 10, 3–37.
- Thieme, H. J. (1988). Wirtschaftspolitik in der Krise? In D. Cassel, B.-T. Ramb, & H. J. Thieme (Eds.), *Ordnungspolitik* (pp. 13–29). Munich: Franz Vahlen.
- Vanberg, V. J. (1988). “Ordnungstheorie” as constitutional economics – The German conception of a “social market economy”. *ORDO*, 39, 17–31.
- Vanberg, V. J. (1997). Die normativen Grundlagen von Ordnungspolitik. *ORDO*, 48, 707–726.
- Vanberg, V. J. (2004). *The Freiburg School: Walter Eucken and ordoliberalism*. Freiburg Discussion Papers on Constitutional Economics 04/11.
- Von Thünen, J. H. (1826). Der isolirte Staat in Beziehung auf Landwirthschaft und Nationalökonomie, oder, Untersuchungen über den Einfluss, den die Getreidepreise, der Reichthum des Bodens und die Abgaben auf den Ackerbau ausüben (Vol. 1). Hamburg: Perthes.
- Weiler, J. H. H. (1991). The transformation of Europe. *Yale Law Journal*, 100(8), 2403–2483.
- Willgerodt, H. (1979). Wirtschaftsordnung und Staatsverwaltung. *ORDO*, 30, 199–217.

Williamson, O. E. (1975). *Markets and hierarchies: Analysis and antitrust implications: A study in the economics of internal organization*. New York: Free Press.

Woll, A. (1980). Was leistet die ökonomische Theorie zur Erklärung und Überwindung der Arbeitslosigkeit? In D. Duwendag & H. Siebert (Eds.), *Politik und Markt: Wirtschaftspolitische Probleme der 80er Jahre* (pp. 29–37). Stuttgart: Gustav Fischer.

Woll, A. (1988). Deregulating the labor market: The West German case. *ORDO*, 39, 183–193.

Young, B. (2018). Contemporary Anglo-Saxon neoliberalism is not German ordoliberalism. In Cahill, D., Cooper, M., Konings, M., & Primrose, D. (Eds.), *The SAGE handbook of neoliberalism* (pp. 179–189). London: Sage.

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