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Jason Baehr
Loyola Marymount University, jbaehr@lmu.edu

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Four Varieties of Character-Based Virtue Epistemology

Jason Baehr
Loyola Marymount University

The field of virtue epistemology has enjoyed remarkable growth over the last decade. Several international conferences drawing top scholars in epistemology and ethics have been held on the topic, a number of books and scores of articles have been published, and several new lines of inquiry have opened up. But these developments have yet to be accounted for in the literature in a systematic way. This is problematic, among other reasons, because developments in the field have resulted in extreme theoretical diversity such that it is no longer clear just what is picked out by the term “virtue epistemology” – e.g. what the defining tenets or commitments of this new approach are supposed to be.

This confusion is evident in two characterizations of virtue epistemology by leading figures in the field. John Greco and Linda Zagzebski both define virtue epistemology in terms of a thesis about the “direction of analysis” of certain basic epistemic concepts. Greco (2004) comments: “Just as virtue theories in ethics try to understand the normative properties of actions in terms of the normative properties of moral agents, virtue epistemology tries to understand the normative properties of beliefs [viz. knowledge and justification] in terms of the normative properties of cognitive agents.” Similarly, Zagzebski (1998) says that virtue epistemology is “a class of theories that analyse fundamental epistemic concepts such as justification or knowledge in terms of properties of persons rather than properties of beliefs.” But even at the time these characterizations were written they failed to account for the full range of views within virtue epistemology. Several virtue epistemologists (e.g. Code 1987; Kvanvig 1992; Hookway 2003) – authors whom Greco and Zagzebski themselves describe as such – eschew any attempt to offer a virtue-based analysis of knowledge, justification, or any related concept. These authors take an interest in matters of intellectual character and virtue that is largely independent of more standard
epistemological questions and issues. And in recent years the field has continued to expand in this direction.⁴

In what follows I offer an up-to-date account of virtue epistemology that sheds significant light on its basic structure, substance, and promise. I do so by developing an illuminating fourfold classification of approaches to virtue epistemology together with an assessment of each approach.

There are, however, two limitations of the discussion that must be noted up front. First, my concern is limited to character-based or “responsibilist” approaches to virtue epistemology. These are approaches that conceive of intellectual virtues as excellences of intellectual character like fair-mindedness, open-mindedness, inquisitiveness, attentiveness, carefulness and thoroughness in inquiry, and the like – rather than as cognitive faculties or related abilities like vision, hearing, memory, introspection, and reason. While I will have occasion to say something brief about the latter, faculty-based or “reliabilist” approaches to virtue epistemology, they are not my immediate or central concern. This limitation is significant inasmuch as some of the leading contributors to virtue epistemology proper (e.g. Greco and Ernest Sosa) are proponents of a faculty-based approach.⁵ Nonetheless, the theoretical differences between the two approaches are significant enough, and my space here is sufficiently limited, that I will focus almost exclusively on character-based versions of virtue epistemology. This is not a major liability, however, given that character-based approaches are considerably more diverse than faculty-based approaches and therefore stand in greater need of a broad, systematic treatment; they also represent a considerably more novel – and in the judgment of some a more interesting – innovation within epistemology.⁶

The second limitation is a function of the paper’s broad scope. For each of the four main approaches to character-based virtue epistemology, I identify the central challenge facing the approach, and go some way toward considering the likelihood of its being overcome. While this permits at least a preliminary assessment each of the four views, I do not pretend that the assessment is exhaustive or definitive. Thus while I will take a stand regarding the plausibility of the different approaches – arguing that two are problematic and two are promising – I do not consider the debate on these matters entirely
closed. Nonetheless, my hope is that by clarifying the structure of the field and offering a substantive preliminary assessment of its various parts, the discussion will prove to be an illuminating and much-needed contribution to the literature in virtue epistemology.

1. The Varieties Delineated

The initial basis for distinguishing between varieties of character-based virtue epistemology concerns how the authors in question conceive of the relationship between (1) the concept of intellectual virtue and (2) the problems or questions of traditional epistemology. By “traditional epistemology” I mean (roughly) epistemology in the Cartesian tradition, the central focus of which is the nature, limits, and sources of knowledge. Some of the topics and debates that have been or are central to this tradition include global and local skepticism, the nature of perception, rationalism vs. empiricism, the problem of induction, the analysis of knowledge, foundationalism vs. coherentism, internalism vs. externalism, and the Gettier problem.7 The idea, then, is that we can begin to distinguish between varieties of virtue epistemology based on what these approaches imply about the relation between (1) and (2).

Some proponents of virtue epistemology regard an appeal to the concept of intellectual virtue as having the potential to “save the day” within traditional epistemology – e.g. to “solve” (or in certain cases to dissolve) certain longstanding problems or debates in the field. These authors view the concept of intellectual virtue as meriting a central and fundamental role within traditional epistemology. Zagzebski (1996), for instance, defends an analysis of knowledge according to which knowledge is (roughly) true belief produced by “acts of intellectual virtue.”8 She argues that conceiving of knowledge in this way not only yields a satisfactory account of the nature of knowledge, but also a way of undermining skepticism, resolving the tension between internalism and externalism, overcoming the Gettier problem, and more.9 This represents an extremely high view of the conceptual connection between intellectual virtue and traditional epistemology.

Other authors, however, are less sanguine about (or just less interested in) any conceptual connections between intellectual virtue and traditional epistemology. These authors see reflection on the intellectual virtues as motivating fundamentally new directions and inquiries in epistemology – directions
and inquiries that are largely independent of traditional concerns about the nature, limits, and sources of knowledge.\textsuperscript{10} Hookway (2000; 2003), for instance, commends an approach to epistemology that focuses on the domain of inquiry rather than on individual beliefs or states of knowledge; and because intellectual character virtues like carefulness and thoroughness, sensitivity to detail, intellectual perseverance, and intellectual honesty often play a critical role in successful inquiry, he contends that such an approach will be virtue-based. Likewise, Robert Roberts and Jay Wood (2007) have recently defended an approach to virtue epistemology that focuses on individual intellectual virtues and makes little attempt to engage or “solve” the problems and questions of traditional epistemology. Their aim is rather to provide something like a “conceptual map” of virtuous intellectual character.\textsuperscript{11} They offer chapter-length analyses of several virtues, including love of knowledge, intellectual firmness, courage and caution, humility, autonomy, generosity, and practical wisdom.

This suggests an initial, broad distinction between two varieties of character-based virtue epistemology: viz. “conservative” approaches, which appeal to the concept of intellectual virtue as a way of engaging or addressing the epistemological tradition or mainstream; and “autonomous” approaches, which focus on matters of intellectual virtue in ways that are largely independent of the traditional quarry.

Each of these two types of virtue epistemology can be subdivided, resulting in a total of four types. I begin by distinguishing two varieties of “conservative” virtue epistemology. According to Zagzebski’s approach noted above, the conceptual connection between intellectual virtue and traditional epistemology is central and fundamental. But conservative virtue epistemology need not take such a strong line as this: it need not regard an appeal to the concept of intellectual virtue as “saving the day” within or as properly transforming traditional epistemology. Instead, it might posit considerably weaker or peripheral conceptual connections between intellectual virtue and traditional epistemology. In recent years, for instance, I have argued that while the concept of intellectual virtue does not merit a central or fundamental role in an analysis of knowledge or any other traditional problem in epistemology (2006a), it does have a background or secondary role to play in connection with at least two major accounts of knowledge. I argue (2006b), first, that reliabilist accounts of knowledge must incorporate intellectual
character virtues into their repertoire of “knowledge-makers,” or traits that contribute to knowledge, and that doing so generates some difficult theoretical challenges. Second, I argue (forthcoming) that evidentialist accounts of epistemic justification must incorporate a virtue-based background condition or constraint according to which, where a person’s agency impacts her “evidential situation,” she must operate in a minimally virtuous way. I will have more to say about these arguments below. The point at present is merely that a view like Zagzebski’s is not the only alternative within “conservative” virtue epistemology, for while drawing certain conceptual connections between intellectual virtue and elements of traditional epistemology, neither of the arguments just noted is aimed at showing that the concept of intellectual virtue merits the leading or central role in connection with any issues in traditional epistemology.

In keeping with this distinction, I shall use the term “Strong Conservative VE” to refer to the view that the concept of intellectual virtue merits a central and fundamental role in connection with one or more traditional epistemological problems and “Weak Conservative VE” to refer to the view that while there are some notable conceptual connections between intellectual virtue and traditional epistemology, these connections are considerably weaker, less central, or more peripheral than those posited by Strong Conservative VE. Again, Strong Conservative VE sees an appeal to the concept of intellectual virtue as having a major, transformative effect within traditional epistemology, while Weak Conservative VE posits considerably more modest connections between the two.

The second general type of character-based virtue epistemology identified above regards reflection on the intellectual virtues as occupying an epistemological niche outside of traditional epistemology; again, it views such reflection as motivating new and largely unaddressed questions about intellectual virtues and their role in the intellectual life, but questions that nonetheless are broadly epistemological in nature. These “autonomous” approaches also admit of two types. Here the difference depends, not on the positive substance or direction of the approaches themselves, but on how they perceive their status vis-à-vis a more traditional epistemology. “Radical Autonomous VE” says that an autonomous or independent concern with matters of intellectual virtue ought to replace or supplant
Radical Autonomous VE typically arises out of a conviction that traditional epistemology is somehow fundamentally misguided or futile. Its defenders regard a turn to an independent concern with intellectual virtue as a new and more promising theoretical alternative. One example of Radical Autonomous VE is Jonathan Kvanvig’s 1992 book *The Intellectual Virtues and the Life of the Mind*. Kvanvig argues that the notion of intellectual virtue should be the focus of epistemology, but that the belief-based, synchronic framework of traditional epistemology cannot accommodate such a focus (more on this argument below). Consequently he calls for a rejection of the traditional framework and the issues and questions central to it. Kvanvig’s preferred, more diachronic and socially oriented framework begins with a conception of “human beings in terms of potentialities in need of socialization in order to participate in communal efforts to incorporate bodies of knowledge into corporate plans, practices, rituals, and the like for those practical and theoretical purposes that ordinarily characterize human beings.”

Central to this framework are several questions and issues an adequate treatment of which, he claims, will give a major role to the concept of intellectual virtue. These include questions about how “one progresses down the path toward cognitive ideality,” the significance of “social patterns of mimicry and imitation” and “training and practice” in human intellectual formation, the acquisition of the sort of “know-how” involved with searching for and evaluating explanations, the relative merits of different kinds of epistemic communities and the bodies of knowledge these communities produce, and the evaluation of “structured chunks” of information (vs. discrete propositions). Because of the fundamental epistemological role that Kvanvig’s proposed approach gives to the concept of intellectual virtue, and because he intends it as a replacement for traditional projects and concerns, this approach represents a clear instance of Radical Autonomous VE.

Defenders of *Moderate* Autonomous VE agree that reflection on intellectual virtue and its role in the intellectual life can form the basis of an epistemological research program that is largely independent of traditional epistemology. But they do not regard this program as a replacement for traditional
epistemology; instead they envision it existing alongside or as *complementing* a more traditional
approach. Put another way, defenders of Moderate Autonomous VE insist merely that epistemology
proper is not *reducible* to or *exhausted* by traditional epistemology and that the borders of traditional
epistemology ought to be *expanded* to make room for a more immediate or independent concern with the
intellectual virtues. One representative sample of Moderate Autonomous VE is Lorraine Code’s
*Epistemic Responsibility* (1987). According to Code, epistemic responsibility can be understood as an
excellence of intellectual *character* – indeed as the *chief* intellectual character virtue. But Code does not
appeal to the notion of epistemic responsibility in an effort to formulate an analysis of knowledge or any
other familiar epistemic concept. In fact she thinks (for reasons similar to Kvanvig’s) that the basic
categories and focus of traditional epistemology obscure what is philosophically most interesting about
the intellectual virtues.¹⁹ She aims instead to “develop a perspective in theory of knowledge that is neither
analogous in structure nor in functional capacity to [the traditional perspective], but that sees a different
set of questions as central to epistemological inquiry.”²⁰ This perspective “turns questions about, and
conditions for, epistemic responsibility into focal points of explication and analysis.”²¹

We began in this section by delineating two general types of character-based virtue epistemology
– conservative and autonomous. We have seen that each of these two general types admits of two
subtypes. Strong Conservative VE is the view that there are major substantive connections between
intellectual virtue and traditional epistemology – that the concept of intellectual virtue stands to “save the
day” within or transform traditional epistemology. Weak Conservative VE is the view that the conceptual
connection between intellectual virtue and traditional epistemology, while genuine, is weaker, more
secondary, or less central. Radical Autonomous VE is the view that an autonomous or independent
concern with intellectual virtue should *replace* traditional epistemological concerns. Moderate
Autonomous VE is the view that an autonomous or independent approach is a proper *complement* of
traditional epistemology (see figure A below).

Finally, it is worth reiterating that these categories are inspired by the range of views that *have
actually been developed and defended* in the virtue epistemology literature.²² The point of the
classification, again, is to shed light on what is at first glance an extremely diverse and even disorienting philosophical literature. I take it, then, that inasmuch as the classification covers the full range of relevant views (and to my knowledge there are no contributions to the virtue epistemology literature that fail to fit into one of the four relevant categories), it stands to advance our understanding of the basic structure and content of character-based virtue epistemology in a substantive and needed way.

Character-Based Varieties of Virtue Epistemology

Conservative

Strong

Autonomous

Weak

Moderate

Radical

Figure A

2. Evaluating the Varieties

The aim of this paper is not merely to clarify the terrain of character-based virtue epistemology. It is also to evaluate the four major views within the field – a task to which I now turn. I begin by developing some criticisms of the two obviously stronger and more controversial varieties: viz. Strong Conservative VE and Radical Autonomous VE. I then turn to identify the central challenge facing the other two varieties – Weak Conservative VE and Moderate Autonomous VE – and offer some reasons for optimism about the prospects of these less extreme approaches. As noted above, while these assessments are necessarily limited in scope and depth, they should prove revealing enough to shed valuable light on the probable viability of each approach and thus on the probable future of character-based virtue epistemology as a whole.
2.1 Strong Conservative VE

Strong Conservative VE says that the concept of intellectual virtue can form the basis of a solution to one or more problems in traditional epistemology. For this to happen, however, it appears that the concept of intellectual virtue must occupy a central role in a viable analysis of knowledge, and more specifically, that something like an exercise of intellectual virtue must be an essential or defining feature of knowledge. This is because traditional debates about the nature, structure, and limits of knowledge revolve around the necessary or essential features of knowledge, such that if an exercise of intellectual virtue is not among these features, the concept of an intellectual virtue is unlikely to figure prominently in a solution to any of these problems. Consider, for instance, the problem of skepticism about the external world. Non-skeptical replies to this problem attempt to show that some of our beliefs about the external world do actually qualify as knowledge, that is, that they satisfy the necessary (and sufficient) conditions for knowledge. The concern here is not with any properties or features that the beliefs in question instantiate only sometimes or occasionally. Thus if an exercise of intellectual virtue is not a necessary feature of knowledge, a concern with the relevant traits apparently will be of minimal relevance to dealing with the skeptical challenge. A similar point can be made in connection with the debate between foundationalists, coherentists, and others about the underlying structure of epistemic justification. Here again the concern is with the essential features of justification, and in particular, with whether these features should be conceived along foundationalist, coherentist, or other lines; it is not with any incidental features of justification. So again, it is difficult to see how the concept of an intellectual virtue might figure prominently in a response to any traditional epistemological problems without also forming the basis of a plausible analysis of knowledge. This in turn suggests that that central challenge facing Strong Conservative VE is that of showing that something like an exercise of intellectual virtue is an essential feature of knowledge.

Accordingly, the most straightforward way of evaluating Strong Conservative VE is to consider whether it is possible to acquire knowledge absent an exercise of intellectual virtue. For if it is, then an exercise of intellectual virtue is not a necessary or defining feature of knowledge. One obvious reason for
thinking that knowledge is possible apart from an exercise of intellectual virtue is that otherwise, the class of knowers apparently would be limited to the class of intellectually virtuous agents: a person lacking in intellectual virtue could not be said to know anything (even, for instance, that she has hands or that two plus three equals five). Defenders of Strong Conservative VE have taken measures to get around this objection. Zagzebski, for instance, stops short of requiring that to have knowledge a person must actually be intellectually virtuous. She requires merely that the person possess the motives and perform the actions characteristic of an intellectually virtuous person (and that the person reach the truth as a result of these motives and actions). This is possible even if the relevant motives and actions are not expressive of the agent’s character (i.e. they do not arise from a corresponding habit or settled disposition on the part of the agent).

There remains, however, a range of troubling cases even for an attenuated position like this. For we appear to be capable of knowing many things absent any virtuous intellectual motives or actions. Right now, for instance, I apparently know that there is (or at least seems to be) a computer monitor before me, that I do not have a headache, that music is playing in the background, that the room smells of freshly ground coffee, that today is Tuesday, that I have been working for at least an hour this morning, and much more. And none of this putative knowledge appears to have involved even a momentary or fleeting manifestation of any virtuous motives or actions. At first glance, then, there appears to be a wide range of counterexamples to a virtue-based account of knowledge.

Zagzebski has done more than any other defender of Strong Conservative VE to try to deal with cases of this sort, which she refers to as cases of “low-grade” knowledge. Her discussion of this issue suggests three distinct replies. In the remainder of this section, I will examine and assess each one.

One reply that Zagzebski flirts with, but in the end appears not to endorse, involves simply biting the bullet and maintaining that the sorts of beliefs in question do not amount to genuine knowledge. Embracing this response requires swallowing a very bitter pill, however, for beliefs of the relevant sort have seemed to epistemologists for centuries to be among the clearest and least controversial instances of knowledge. Indeed, a commitment to regarding such beliefs as knowledge is a standard methodological
starting point for many philosophers of knowledge. Consequently, where a particular analysis of knowledge fails to accommodate such cases, this is likely – and plausibly – to be looked upon either as a reductio ad absurdum of the analysis in question or as grounds for thinking that it is an analysis of a fundamentally different epistemic concept than the one that has traditionally interested epistemologists. Because of the radical and prima facie implausible nature of this reply, I will not pursue it further here. I shall take for granted that a plausible account of “low-grade” knowledge must regard the beliefs in question as knowledge.

A second and less radical response suggested by Zagzebski’s discussion involves a significant modification to the thesis that knowledge is true belief formed via intellectually virtuous motives and actions. At one point, she suggests that a belief counts as knowledge just in case it is true and is formed in the way that an intellectually virtuous person might form it under similar circumstances. She remarks, in connection with whether young children can acquire knowledge: “As long as they are old enough to imitate the behavior of intellectually virtuous persons in their belief-forming processes, young children (and possibly animals) can have knowledge based on perception and memory.” This modified conception of knowledge can accommodate the sort of low-grade knowledge identified above. For it is reasonable to think that when an intellectually virtuous person forms the sorts of beliefs in question, she too does so in a strictly automatic or mechanistic way; she does not manifest any virtuous motives or perform any virtuous actions. Thus by maintaining that knowledge is true belief formed in a way that an intellectually virtuous person might form it under similar circumstances, Strong Conservative VE might appear to have a way of handling the problem of low-grade knowledge.

But in fact there is a significant problem with this modified conception: namely, that it is not genuinely virtue-based. Relative to the sorts of cases at issue, the concept of intellectual virtue, or that of virtuous motives and actions, is not doing any explanatory work. According to the account, the beliefs in question are knowledge because they are formed in a manner that an intellectually virtuous person would form them. However, we have seen that when a virtuous person forms these beliefs, she does not do so qua intellectually virtuous person; she does not exercise any virtues of intellectual character. Rather, she
forms the beliefs in question via the _brute or mechanistic_ part of her cognitive nature. This is evident in Zagzebski’s remark that even _animals_ might be capable of imitating the behavior of virtuous persons in these cases. The upshot is that nothing having to do with any intellectual character virtues explains why these beliefs count as knowledge. This in turn suggests that the conception in question fails to offer a genuinely virtue-based account of low-grade knowledge.\(^{34}\)

A third response to the problem of low-grade knowledge suggested by Zagzebski’s discussion is that such knowledge _does_ in fact involve intellectually virtuous motives and actions. This is apparently Zagzebski’s preferred way of handling the problem. She suggests that while such motives and actions appear absent from low-grade knowledge, they are in fact present and operative at a certain “low” or subconscious level. She says that in cases of simple perceptual knowledge, for instance, an intellectually virtuous person is characteristically guided by a “presumption of truth,” which she describes as an intellectual _attitude_, and that it is plausible to think that this motive is also possessed by ordinary cognizers under similar conditions.\(^{35}\) To add to this suggestion, let us suppose that virtuous and non-virtuous agents alike in such cases possess something like a low-level _desire_ for truth. For instance, it might be said that when I form the belief that there is a ceramic mug on the desk before me, this process is guided by an _interest_ in knowing what is on the table before me together with a basic _willingness_ to trust that my senses are not deceiving me. The suggestion, then, is that in cases of low-grade knowledge, the beliefs in question do in fact arise from virtuous motives and actions and thus that a virtue-based account of knowledge might accommodate such cases.\(^{36}\)

I will not dispute that in a range of the cases in question, certain low-level intellectual motives or actions may be operative, that is, that the relevant beliefs are not always the product of strictly brute or mechanical cognitive processes. Nonetheless, I find it implausible, first, to characterize the motives or actions in question as _virtuous_ – to think of them as _characteristic_ of intellectual _virtue_. As Zagzebski herself suggests, these motives and actions are entirely pedestrian: they are routinely manifested by mediocre cognitive agents and by young children (and possibly, she says, by animals). Moreover, she characterizes a _failure_ to manifest such actions and motives as a rather extreme kind of intellectual
Character virtues, on the other hand, are typically thought to pick out a comparatively high and distinguished level of personal excellence – something that is not possessed by the average cognitive agent or by young children (and certainly not by animals!). Thus to the extent that our concern is whether something resembling an exercise of intellectual virtue is necessary for knowledge, the suggested line of response to the problem of low-grade knowledge appears unpromising.

An even more serious problem is that inasmuch as certain low-level motives or actions (whether virtuous or not) are operative in these cases, it seems clear that they do not stand in the required causal relation to the truth of the relevant beliefs. As Zagzebski and others have noted, a plausible virtue-based account of knowledge must require, not only that a known belief be true and that it have its origin in intellectually virtuous motives or actions, but also that the truth of the belief itself be attributable to the relevant motives and actions. Consider my belief that music is presently playing in the background. Suppose we grant that at some level, the formation of this belief involves the sort of low-level intellectual motives or actions described above. While this much may be true, surely these motives or actions are not the primary cause of the truth of my belief that music is playing. Rather, the primary or salient reason my belief is true is that I have good hearing – that my auditory faculty is in good working order. A similar point could be made in connection with many other instances of perceptual knowledge: the truth of my belief that there is a computer monitor before me or that the aroma of coffee is in the air, for instance, is explainable, not in terms of any intellectual motives, actions, or effort on my part, but rather in terms of the standard, brute or relatively untutored operation of certain of my sensory modalities.

It appears, then, that this response to the problem of low-grade knowledge is unsuccessful. And indeed, there is one additional consideration worth noting that reinforces this conclusion. I have been assuming that in the cases in question, certain minimal or low-level intellectual motives or actions are operative at some level. But relative to at least some items of low-grade knowledge, this concession is too much. For there appear to be cases of low-grade knowledge that are unaccompanied by any genuine motives or actions. These are cases in which the agent in question is passive with respect to the belief in question. Suppose, for instance, that as I sit working at my desk late one night, the electricity suddenly
shuts off, causing the room immediately to go dark. As a result, I immediately and automatically form a corresponding belief. I am overcome by knowledge of the change in lighting; this knowledge simply dawns on me. By all appearances, this is a case in which I do not manifest any relevant intellectual motives or actions. I do not, even at a “low” or subconscious level, seek the truth about the state of affairs in question. Nor is plausible to think I am “trusting my senses” in the relevant, motivational sense. And yet surely I come to know that the lighting in the room has changed. Moreover, cases like this are not few and far between: they include knowledge that, for instance, a loud sound has just occurred or that one presently has a severe headache or is feeling nauseous. Again, knowledge of this sort seems not to involve or implicate the knower’s agency in any significant way.

We have examined three replies to the problem of low-grade knowledge that might be offered in defense of Strong Conservative VE and have found each reply wanting. Nor is it clear what a more promising line of defense might amount to. Thus, the discussion, while perhaps falling short of a comprehensive or exhaustive critique of Strong Conservative VE, provides some initially compelling reasons for thinking that the prospects of this approach are grim.

2.2 Radical Autonomous VE

I turn now to consider a second rather strong and controversial variety of character-based virtue epistemology. As a version of autonomous virtue epistemology, Radical Autonomous VE endorses a theoretical concern with or focus on intellectual virtue that is independent of the traditional preoccupation with questions about the nature, limits, and sources of knowledge. What distinguishes this view from Moderate Autonomous VE is its claim that an independent virtue-based research program should replace traditional epistemology – that traditional epistemological projects and pursuits should be rejected in favor of a virtue-based approach.

Radical Autonomous VE faces two main challenges, one positive and the other negative. The positive challenge is that of making good on the claim that there are indeed substantive, broadly epistemological questions and issues to be pursued in connection with the intellectual virtues that are independent of traditional questions and that might form the basis of an alternative approach to
epistemology. This challenge is also the central challenge for Moderate Autonomous VE; thus I shall postpone a discussion of it to the discussion of Moderate Autonomous VE below. The negative challenge for Radical Autonomous VE is that of showing that an independent theoretical focus on intellectual virtue is not just an interesting and promising complement to traditional epistemology, but rather that the epistemological enterprise should be entirely reoriented in this direction (that epistemologists should jettison the questions and issues of traditional epistemology).

Clearly the defender of Radical Autonomous VE is in a difficult dialectical position. Why think that an independent, virtue-based epistemological research program (assuming, for the moment, that there can be such a thing) merits the lion’s share of attention within epistemology? Why think that traditional epistemology should be abandoned in favor of a strictly virtue-based approach? Given the seriousness of this challenge, it is not too surprising that to date, there is only one systematic and fully worked out defense of this view: namely, Kvanvig’s *The Intellectual Virtues and the Life of the Mind* (1992).41

Kvanvig’s argument for the negative component of Radical Autonomous VE is not easy to pin down. At points, it looks as if he simply begins with the (intuitive?) premise that the intellectual virtues should be the focus of epistemology and proceeds to argue that the traditional epistemological framework cannot accommodate this focus and so should be rejected.42 Elsewhere, and more plausibly, his argument appears to be grounded in a certain meta-epistemological requirement, according to which “[w]hat we really want from an epistemologist is an account of the cognitive life of the mind that addresses our cognitive experience and helps us understand how to maximize our potential for finding truth and avoiding error.”43 By Kvanvig’s lights, traditional epistemology fails badly on this score. He argues that it generates a conception of the cognitive life by “cementing together the time-slice accounts of justification and knowledge for each moment of an individual’s life,” and that the result is conception that is “removed from the ordinary concerns of … human cognizers.” He likens traditional epistemology to “a maze of complexities surrounding the analysis of knowledge and justification from which no route into the promised land seems possible.”44 According to Kvanvig, a virtue-oriented epistemology could avoid these defects. Thus he spends several chapters examining whether the framework of traditional epistemology
might accommodate a focus on intellectual virtue. But based in part on the sorts of objections raised against Strong Conservative VE above, Kvanvig eventually concludes that there is no room within the synchronic, belief-based framework of traditional epistemology for the required kind of focus on intellectual virtue. From this he draws the further conclusion that epistemologists should abandon traditional epistemology in favor of an autonomous, virtue-based approach.

While interesting and provocative, there are at least two substantive problems with Kvanvig’s argument. First, the conclusion of the argument follows only if the sole purpose of epistemology is to “address our cognitive experience” and give us a better idea of “how to maximize our potential for finding truth and avoiding error.” Otherwise the fact (if it is a fact) that traditional epistemology fails to deliver in this respect will fall short of licensing the abandonment of traditional epistemology. It is difficult to see, however, why this account of the telos of epistemology should be accepted. While it may be a mistake to deny that the kind of practical relevance in question is a goal of epistemology, there is little reason to think it is the only one. Indeed, surely one (if not the) central aim of epistemology is simply to provide a deeper and more illuminating understanding of the nature, limits, and sources of knowledge than is available via commonsense. Where the theoretical work required for providing such an understanding fails to have the sort of practical value that concerns Kvanvig, this need not count as a significant strike against it. Any theory’s ability to shed substantial light on its subject matter may conflict with its practical usefulness or applicability; and there is little reason to think that the latter theoretical value should always trump the former.

A second problem with Kvanvig’s argument is the premise that traditional epistemology completely fails to serve the relevant practical end, that it fails to “address our cognitive experience” and to give us a better idea of “how to maximize our potential for finding truth and avoiding error.” This claim also seems much too strong. Why think that an accurate and well-constructed (even if still technical or theoretical) account of knowledge or justification would not be of some use to a person aiming to improve his cognitive situation? Indeed, there is surely something of practical use or significance in some of the better and more sophisticated accounts of knowledge and justification on offer. By illuminating the
nature and significance of epistemic reliability, various evidential support relations, or the epistemic basing relation, for instance, these accounts presumably provide at least some measure of intellectual guidance. To borrow an analogy from Aristotle, an agent with a refined view of the epistemic goal, like an archer with a focused view of his target, is considerably more likely to achieve this goal than one with an unfocused or unrefined view. The suggestion is that one helpful way of realizing the epistemic good is the possession of a reasonably robust and illuminating conception of this good, which at a minimum will include an account of concepts like knowledge, rationality, understanding, and the like. And surely traditional epistemology can – and indeed has – played a significant role in this regard. My claim is not that standard accounts of knowledge and related epistemic concepts are the sin qua non of the knowing enterprise itself, but rather that it is a mistake to think that traditional epistemology has nothing to offer in connection with the sort of practical desideratum that interests Kvanvig.

It appears, then, that Kvanvig’s argument for the negative and defining tenet of Radical Autonomous VE is unsuccessful. This does not, of course, guarantee the failure of Radical Autonomous VE as whole. For in principle, any number of reasons might be given for abandoning traditional epistemology. Nevertheless, the discussion of Kvanvig’s argument illustrates an important point: namely, that Radical Autonomous VE shoulders a daunting argumentative burden. Again, its defenders must demonstrate, not just that traditional questions and projects are merely part of what matters from an epistemological standpoint, but rather that they do not matter at all. Therefore, until such a project has been carried out, and carried out in a way that at least leaves open the possibility of an alternative, virtue-based approach to epistemology, the prospects of Radical Autonomous VE are bound to appear questionable.

Before moving on, one other point that tells against the prospects of Radical Autonomous VE is worth considering. In short, the point is that it takes very little in the way of philosophical interest or commitment to motivate a host of the problems and questions central to traditional epistemology, with the
result that arguments for the wholesale repudiation of traditional epistemology seem even less likely to succeed.

We are as human beings curious about the world around us. We want to acquire knowledge, to form an accurate or true perspective, of a great many subject matters or dimensions of reality. But this is not all we desire from an intellectual or epistemic standpoint, for it is conceivable that we might possess a very large stock of true beliefs (perhaps even knowledge) and yet be unaware of this fact: relative to our own reflective perspectives, it might be it an accident that we have achieved such success. Surely in this case our epistemic situation would be lamentable. What we desire, in addition to having a lot of true beliefs or knowledge, is the assurance that we have achieved this goal: we want to “see” or know that in fact our beliefs about the world are true or that they do in fact amount to knowledge. Call this desideratum “epistemic assurance.”

One unfortunate but salient feature of the human epistemic condition is that such assurance is not directly and unproblematically available to us: we cannot, simply on the basis of introspection or any other cognitive power, tell whether our beliefs are true or amount to knowledge. For this reason, we esteem and seek to acquire good evidence or reasons in support of our beliefs – reasons for thinking that in fact our beliefs are true.

Given this rather straightforward and plausible view of the centrality of the possession of good epistemic reasons to the possession of a good intellectual life (and a good life as a whole), it is natural to want to get a better, more reflective or philosophical understanding of such reasons than is provided by commonsense. But this, it turns out, is not at all easy to come by. The attempt to gain a deeper and more penetrating understanding of good epistemic reasons gives rise to host of difficult philosophical questions. For instance, what exactly is it for a belief to be supported by good epistemic reasons? What is the underlying structure of this desideratum? The most natural reply appeals to the concept of an epistemic foundation: the idea being (roughly) that a belief is supported by good epistemic reasons just in case it is ultimately grounded in something like sensory experience. But it has proven extremely difficult to give an account of such a relation: and in particular of how something non-cognitive like experience
might provide reasons in support of cognitive states like beliefs. Such difficulties have lead many philosophers to abandon “foundationalist” accounts of good epistemic reasons in favor of other models (e.g. “coherentist” or “infinitist” models). But none of these alternative models has been widely accepted.

Other critical questions surround the essential sources of good epistemic reasons. While it is, as just indicated, extremely difficult to specify how exactly sensory experience can be a source of good epistemic reasons, it is also extremely difficult to deny that it is a source. It can reasonably be wondered, however, whether sensory experience is the only source of good epistemic reasons. The most obvious alternative in this regard is reason or rational reflection. Can rational reflection by itself provide us with reasons for thinking that some of our beliefs are true? If so, what must it (and the world itself) be like? And how can it do so? And if reason is not an autonomous source of good epistemic reasons, how can we know the wide range of things our support for which seems to come from reason? How can what we seem to know a priori really be supported or grounded in sensory experience?

Finally, there are certain difficult and easily motivated questions concerning the limits of good epistemic reasons. Central here is the question of whether the possession of good epistemic reasons is even possible. The challenge is to give reasons in support of an affirmative reply that are not viciously circular or question-begging. For instance, if we ask about the quality of our reasons for our beliefs about the external world – about why what we take to be good reasons for these beliefs really are good reasons – we are likely to be led to questions about the reliability or trustworthiness of sense perception. It is likely to seem that we can have good reasons for our beliefs about the external world only if we can have good reasons for trusting sense perception. The problem is that it is extremely difficult, if not impossible, to give an account of the reliability of sense perception that does not rely on the deliverances of the very faculties whose credibility is in question. Skepticism, then, quickly ensues.

The point of rehearsing this dialectic is not to suggest that these questions or issues are intractable or that none of them has been addressed in a satisfactory way in the literature. It is rather to illustrate the point that it takes relatively little by way of philosophical commitment or interest to motivate the relevant questions – to make them seem worth taking seriously. And since these questions represent a considerable
segment of the theoretical basis of traditional epistemology, the discussion underscores the difficulty of trying to motivate a wholesale repudiation of traditional epistemology. And in doing this, it casts further suspicion on the prospects of Radical Autonomous VE.  

2.3 Weak Conservative VE

We have examined two of the four main varieties of character-based virtue epistemology and found that their prospects do not appear to be very good. I turn now to examine the other two varieties. As the names suggest, Weak Conservative VE and Moderate Autonomous VE lack the stronger or more radical bite of the other two approaches just considered. It is not too surprising, then, that their prospects turn out to be considerably better. My focus in this section is Weak Conservative VE, which is the view that there are some conceptual connections between intellectual virtue and the subject matter of traditional epistemology, even if not connections that warrant giving the notion of intellectual virtue a central or fundamental role within traditional epistemology. I will attempt to illustrate what I take to be the promise of Weak Conservative VE by briefly reiterating some recent arguments which, if compelling, amount to a vindication of this approach’s central thesis.

As noted earlier, in recent years I have argued (2006b; forthcoming) that the concept of intellectual virtue deserves at least some kind of role in connection with two prominent accounts of the nature of knowledge or epistemic justification. Reliabilism, for instance, says that knowledge is (roughly) true belief produced by reliable or truth-conducive cognitive traits. The sorts of traits they regard as reliable, however, are largely mechanistic or impersonal. These include vision, hearing, memory, introspection, and the like. Reliabilists are right to think that traits of this sort account for the reliability of human cognizers with respect to certain “fields” of propositions (e.g. propositions about the appearance of one’s immediate surroundings) and within certain environments (“normal” environments with good lighting). But they are mistaken to think that they can account for our reliability with respect to all relevant propositional fields and environments – including those that pertain to some of the most valued and sought after forms or instances of knowledge. Reaching the truth about philosophical, scientific, mathematic, historical, or moral reality, for example, or reaching the truth in circumstances or
environments in which doing so requires overcoming significant obstacles, does not primarily depend on one’s having perfect vision, an excellent memory, or the like; rather it depends, we might say, on one’s having a will of a certain sort: e.g. on one’s being motivated to reach the truth or on one’s possessing certain intellectual character virtues like carefulness and thoroughness in inquiry, attentiveness, determination, open-mindedness, and fair-mindedness. These traits are the vehicle or basis of our reliability with respect to the sorts of propositions and environments just noted. The claim, then, is that to the extent that reliabilists fail to incorporate these traits into their repertoire of reliable traits or “knowledge-makers,” they will be unable to account for the status of much of the knowledge that we care about most as human beings. For again, to explain why the beliefs in question amount to knowledge, they must identify the basis of our reliability with respect to such knowledge; and this, I have suggested, requires an appeal to intellectual character virtues. Accordingly, the concept of intellectual virtue has at least some role to play within a plausible reliabilist account of knowledge. It should not be the (exclusive) conceptual basis or focal point of such an account; but it does represent one critical way of realizing or achieving that focal point (viz. reliability). And there is more to be said in support of this connection.

While I cannot get into the details here, reliabilism’s inclusion of character virtues into its repertoire of “knowledge-makers” brings with it several new and challenging theoretical questions and problems that arise from certain structural differences between character virtues and faculty virtues. The result is that substantive philosophical work to be done by reliabilists in connection with matters of intellectual virtue.

Evidentialism offers an account of epistemic justification that is typically characterized as a competitor of a reliabilism. According to evidentialism, a person is justified in believing a given claim just in case (roughly) her evidence supports this claim. This view is vulnerable to criticism based on cases in which a person’s belief is supported by her evidence, but only because the person has failed to inquire with respect to the relevant subject matter, has inquired in a shoddy and superficial way, or is presently ignoring or suppressing potential defeaters to her belief. Imagine, for instance, a person whose evidence supports her belief that long term exposure to secondhand smoke has no negative consequences for her health, but only (due, say, to acute anxiety about health-related matters) because she has shown
extreme tunnel vision, denial, and self-deception in her thinking and “research” about this issue. While this person’s belief may satisfy the evidentialist’s condition for justification, her belief intuitively is unjustified.\textsuperscript{58}

Because the explanation for this apparently lies with the person’s manifestation of various intellectual vices (inattentiveness, careless and hastiness in inquiry, an unwillingness to consider counterevidence, etc.), one solution for the evidentialist would be to incorporate a condition according to which justification supervenes on a belief that fits a person’s evidence only if this person has exercised certain intellectual virtues in the formation or maintenance of this belief. But for reasons noted earlier in connection with Zagzebski’s defense of Strong Conservative VE, making virtuous agency a necessary condition or precondition for justification would be a mistake. For again, there are cases of “passive knowledge,” in which a cognitive agent is passive in the formation of her belief. A more plausible solution is for the evidentialist to adopt a virtue-based constraint or proviso – one that applies or is binding only with respect to the relevant sorts of cases. Consequently evidentialists might hold that a person is justified in believing a given claim just in case this claim is supported by her evidence – provided that, if the person’s agency makes a salient contribution to her evidence concerning the belief in question, she functions in a manner consistent with intellectual virtue. This represents a second way in which the concept of intellectual virtue might bear upon a traditional account of knowledge without occupying center stage in or forming the conceptual basis of the account.

This brief reiteration of the relevant arguments is intended to illustrate what the positive substance of Weak Conservative VE might amount to. These arguments show how the concept of intellectual virtue might come into play within traditional epistemology in certain background, secondary, or somewhat peripheral ways. I take it that the arguments have sufficient prima facie plausibility such that they warrant some optimism about the prospects of Weak Conservative VE – or at least justify taking seriously the possibility of this approach. And of course there is little reason to think that the connections just identified are the only potential points of contact between the concept of intellectual virtue and the positions and debates central to traditional epistemology.\textsuperscript{59} We may conclude, then, that while Strong
Conservative VE is unpromising, the prospects of Weak Conservative VE are considerably better. Again, while the concept of intellectual virtue does not merit a leading role in connection with an analysis of knowledge (or other traditional issues), it may very well merit one or more supporting roles.

### 2.4 Moderate Autonomous VE

I noted earlier that the positive challenge for Radical Autonomous VE is identical to the central challenge for Moderate Autonomous VE. Again, defenders of both views advocate a virtue-based approach to epistemology that is largely independent of traditional epistemology. But the question naturally arises: if the focus of such an approach is not the nature, sources, and limits of knowledge, then what exactly is it? The defender of Radical or Moderate Autonomous VE cannot plausibly reply by saying merely that the focus is something like “the intellectual virtues and their role in the cognitive life.” For this response, while perhaps correct at a general level, says next to nothing about the positive theoretical substance of the approach: nothing about the specific issues, questions, problems, puzzles, etc., responses to which might constitute its theoretical basis. Indeed it leaves open the possibility that there are not any (or many) such issues or questions: that when reflection on the intellectual virtues is divorced from traditional considerations, these traits are of little or no philosophical or epistemological significance. Thus defenders of either version of autonomous virtue epistemology must be explicit about the positive theoretical focus of the virtue-based approach they endorse. I shall refer to this as the “theoretical challenge” for autonomous virtue epistemology.

This challenge may not seem to pose a very serious threat to the viability of an autonomous virtue epistemology. But when one looks, for instance, at some of the seminal attempts to defend a version of Moderate Autonomous VE, this appearance dissipates. For while clearly embracing its defining tenets, several principal defenders of Moderate Autonomous VE either fail to be very specific about the positive theoretical focus of their proposed approaches or go about specifying issues or questions which (for one reason or another) fail to have much epistemological traction. For instance, much of Code’s *Epistemic Responsibility* (1987) is devoted to discussions that have no immediate bearing on matters of intellectual virtue or whose bearing is tenuous enough that it is unclear how the relevant issues and questions could
form the basis of a virtue-based alternative to traditional epistemology. This applies to her lengthy (and often interesting) discussions of metaphysical realism (Ch. 6), literature as a source of knowledge about cognitive well-being (Chs. 2 and 8), doxastic voluntarism (Ch. 4), and similarities between epistemic and moral evaluation (Ch. 3). Moreover, when Code does squarely address issues like the basic nature and structure of intellectual virtues, her discussion is often surprisingly thin. Consider the following passage, which is not atypical: “How, then, are we to delineate more precisely the nature of intellectually virtuous character? … Intellectually virtuous persons value knowing and understanding how things really are. They resist the temptation to live with partial explanations where fuller ones are attainable; they resist the temptation to live in fantasy or in a world of dream or illusion, considering it better to know, despite the tempting comfort and complacency a life of fantasy or illusion (or one well tinged with fantasy or illusion) can offer.”

Characterizations like this, while perhaps entirely accurate as far as they go, can lead even the open-minded reader to wonder whether there is really much for epistemologists to talk about in connection with intellectual virtue. They suggest that an understanding of intellectual virtue may be more or less a matter of commonsense.

A related point can be made in connection with some of Hookway’s work discussed above. While Hookway is considerably more reflective about the theoretical requirements of a genuine, virtue-based alternative to traditional epistemology, some of his discussions of such an alternative exhibit some similar limitations. We saw above that central to Hookway’s argument for a version of Moderate Autonomous VE is the idea that the notion of intellectual virtue should figure prominently in the practice of “epistemic evaluation.” The reason, again, is that when making such evaluations, our concern is not merely beliefs, but also cognitive deliberations and inquiries; and in these domains, success or failure often turns on whether the person in question possesses various excellences of intellectual character. Thus, Hookway concludes, if we are to offer reasonably “thick” and accurate assessments of our cognitive deliberations and inquiries, we shall have to appeal to the concept of intellectual virtue.

I do not wish to dispute the validity of Hookway’s argument. Rather, my concern is that it is unclear what bearing it is supposed to have on the enterprise of epistemology – virtue epistemology or
otherwise. Cognitive evaluation is primarily a *practical* affair: it is engaged in by ordinary cognitive agents in ordinary cognitive situations. It is not principally an activity undertaken by epistemologists *qua* epistemologists. To be sure, epistemologists sometimes offer “epistemic evaluations” in the sense that they construct theories of knowledge and justification which can then be applied to individual beliefs. But Hookway does not endorse a virtue-based analysis of justification or any other familiar epistemic concept. Instead his point is apparently that an accurate and illuminating assessment of various cognitive phenomena will necessarily appeal to the language and concepts of intellectual virtue. But how is this insight supposed to form the basis of anything like an alternative, virtue-based epistemological research program? What would the governing issues, questions, problems, etc., be on such an approach? Put another way, what *work* is there for epistemologists to do in light of Hookway’s argument?65

My claim is not that that these discussions of Code or Hookway are entirely bereft of any hints or suggestions concerning the possible theoretical or philosophical substance of a virtue-based alternative to traditional epistemology. (Indeed, as I explain below, I think both at times point in some promising directions.) The claim is rather that neither is sufficiently explicit or convincing on this score and that consequently the viability of their proposed alternatives comes off looking questionable. Both authors fail to deal adequately with the “theoretical challenge” for an autonomous virtue epistemology.66

Before proceeding, it is worth considering what explanation might be offered of this kind of mistake, which is at once serious and yet quite common in the virtue epistemology literature.67 My proposal is that the relevant discussions of Code, Hookway, and others fall prey to a certain subtle and tempting *fallacy* related to defending an autonomous, virtue-based epistemology. These authors do effectively demonstrate what might be referred to as the “epistemic” significance of the intellectual virtues. That is, they demonstrate the *instrumental* or *practical* significance of these traits vis-à-vis various epistemic ends like knowledge and understanding. Code, for instance, shows that matters of intellectual virtue are important for assessing the testimony of other believers. And Hookway makes a good case for thinking that intellectually virtuous agency is essential to successful inquiry. The problem is that demonstrating the *epistemic* significance of the intellectual virtues is not sufficient for demonstrating
their epistemological significance. Epistemology is a philosophical or theoretical discipline. It trades in various challenging questions, problems, puzzles, etc., that arise with philosophical or theoretical reflection on the cognitive life. What we have seen, however, is that something can be an important means to cognitive success without admitting of significant and sustained theoretical or epistemological inquiry. Its cognitive significance might simply be a matter of commonsense; it might have certain practical, but no real theoretical, implications; or it might be the proper subject matter of a discipline other than epistemology (e.g. of cognitive science or ethics).

We may refer to the inference from a thing’s epistemic significance to its epistemological significance as the “theoretical fallacy.” My suggestion is that the problem identified above with certain instances of Moderate Autonomous VE is traceable to this fallacy. As a case in point, consider the following remark from Hookway: “To draw these ideas together, why should we talk about the virtues? In making judgements, we rely on traits of character, habits and dispositions. If we are genuinely virtuous, we will ask the right questions, and this explains our successes in inquiry.” Hookway’s suggestion is apparently that the critical role of intellectual virtues in inquiry is a sufficient indication of their epistemological significance (presumably professional epistemologists are the “we” to whom he initially refers). Similarly, Code remarks that her preferred approach to epistemology “denies the autonomy of the known, maintaining that the nature of the knower and of his/her environment and epistemic community are epistemologically relevant, for they act as enabling and/or constraining factors in the growth of knowledge, both for individuals and for communities.” One’s nature as a knower, on Code’s view, is largely constituted by one’s intellectual character. Thus she too seems to accept the idea that the practical or causal connection between virtuous intellectual character and knowledge is sufficient for demonstrating its epistemological significance. But again, the conclusion does not follow – any more than the fact that well-functioning retinas or healthy brain chemistry are critical to cognitive well-being entails that these things ought occupy the attention of the epistemologist qua epistemologist.

This discussion suggests that the theoretical challenge for autonomous virtue epistemology is genuine and should not be underestimated. However, this challenge is not insurmountable. There are, in
fact, good reasons to think that it can be overcome. Some of these reasons are evident in other contributions to the virtue epistemology literature. Others pertain to issues and questions that to date have received scant if any treatment. In the remainder of this section, I briefly enumerate several theoretical issues or projects which, when taken together, warrant at least some optimism about the possibility of a relatively autonomous, virtue-based epistemological research program. Again, the challenge is to identify philosophical issues and questions surrounding the intellectual virtues that might form the basis of a virtue-based epistemological research program that is independent of a more traditional program – issues and questions that might occupy defenders of Moderate Autonomous VE.

Several challenging and broadly epistemological questions arise with reflection on the precise nature of an intellectual virtue. Principally, what makes the relevant character traits intellectual virtues? This question has been answered in several ways, all of which have at least some plausibility, but which ultimately are incompatible. Julia Driver (2000; 2003), for instance, argues that a trait is an intellectual virtue just in case it is epistemically reliable or truth-conducive. It seems reasonable to think that many of the traits we regard as intellectual virtues (e.g. intellectual carefulness, thoroughness, attentiveness, fairness, etc.) are reliable in this sense; and since it is plausible to regard a reliable or truth-conducive trait as an “intellectual virtue” in some sense, Driver’s proposal has at least some initial promise. But this is not the only account of intellectual virtue available. Montmarquet (1993; 2000), for instance, maintains that the traits in question are intellectual virtues on account of certain of their internal or psychological features considered in their own right – for example, a desire for truth or knowledge. This account has the advantage of being able to explain the apparent personal worth or value associated with these traits, that is, the fact that these traits seem to make their possessor a good or better person. This feature of intellectual virtues is difficult to account for on a model of intellectual virtue according to which (like Driver’s) the traits in question are strictly instrumentally valuable. A third account wed the two just noted. Zagzebski (1996) argues that a trait is an intellectual virtue just in case it is reliable and involves an intrinsically valuable motive. Despite its conciliatory tone, this mixed or hybrid account has the (problematic) appearance of trying to bring together two very different sorts of value (one instrumental,
the other intrinsic; one impersonal, the other personal) under a single, univocal concept of intellectual virtue. The worry here is not with the possibility that a single trait might have both instrumental and intrinsic value, but rather with the idea that such a trait would be an intellectual virtue in just a single sense – rather than satisfying the conditions for two, separable concepts of intellectual virtue. Mixed accounts also run the risk of inheriting any defects internal to either of the accounts it is attempting to integrate. It appears, then, that the answer to the question of what ultimately makes the relevant character traits intellectual virtues is far from obvious and merits further attention among virtue epistemologists.

A related set of issues focuses directly on the (alleged) reliability of the intellectual virtues. We just noted that many of the traits commonly regarded as intellectual virtues seem pretty clearly to be reliable. But this is not so clear with respect to other putative virtues: for instance, intellectual integrity, autonomy, and originality. It is much less clear whether these traits tend in a systematic way to help their possessor reach the truth and avoid error. Moreover, virtually none of the traits commonly regarded as intellectual virtues is reliable when possessed in isolation. An intellectually careful but dogmatic and closed-minded person, for instance, is unlikely to acquire a preponderance of true beliefs. This suggests that the intellectual virtues are “unified” in a reasonably strong sense, which in turn raises questions about how they are to be individuated. For example, if reliability is a defining feature of an intellectual virtue, but none of the relevant traits taken by itself is reliable, in what sense can these traits really be considered intellectual virtues? This problem is magnified by the fact that even when taken as a whole, the traits in question are reliable only if combined with properly functioning cognitive faculties (e.g. good eyesight, a good memory, etc.). A final problem arises from certain counterfactual considerations. Montmarquet (1993) and others (Swank 2000; Dancy 2000; Baehr 2007) envision a person who bears all the internal marks of intellectual virtue and who from her own (reasonable) perspective is extremely cognitively successful. Owing to the work of a Cartesian demon, however, she is in fact extremely unreliable. According to these authors, such a person should still be regarded as intellectually virtuous. If they are correct, this presents a further obstacle to the initially attractive view that reliability is a defining feature of an intellectual virtue. Thus the sense (if any) in which intellectual virtues are reliable and the
implications this has for individuating of intellectual virtues and for related matters is also something that
merits further thought and reflection from autonomously minded virtue epistemologists.

Other relevant issues and questions arise with reflection on the internal structure of an intellectual
virtue. According to Zagzebski (1996), the fundamental psychological requirement of any intellectual
virtue is a motivation for truth and related cognitive goods. While something like this requirement is
plausible, intellectual virtues seem essentially to have a certain cognitive or doxastic component as well.
This is suggested by some of the work of virtue ethicists on the moral virtues. John McDowell (1979), for
instance, characterizes moral virtue as fundamentally involving a kind of moral perception. And Julia
Annas (2005) gives the notion of practical reason a central place in her account of moral virtue. These
requirements are arguably complementary and plausible. And it is reasonable to think that intellectual
virtues exhibit an analogous internal structure. This underscores several important questions concerning
the structure of an intellectual virtue, none of which has been very widely discussed by virtue
epistemologists or other philosophers. For instance, what is the full range of psychological states essential
to intellectual virtue? What is the precise nature of these states? And how exactly are these states related
to each other?

Several related questions concern the ends or goals proper to intellectual virtue. First, what
ultimately motivates an intellectually virtuous person? According to one fairly standard view (e.g.
Montmarquet 1993), the proper aim or end of all intellectual virtues is truth. But Zagzebski (2001) and
Wayne Riggs (2003) have recently argued to the contrary that the fundamental aims of intellectual virtue
extend beyond truth and knowledge and include such “higher end” cognitive values as understanding and
insight. It is also important to consider whose cognitive success or well-being is the intrinsic object of
intellectual virtue. It is easy to get the impression from the literature that an intellectually virtuous person
is always egoistically motivated, for the intellectual virtues are usually characterized in relation to the
context of personal inquiry, where the goal is typically the inquirer’s own acquisition of true beliefs. But
surely the intellectual virtues are applicable to other contexts as well. They are relevant, for instance, to
the domains of teaching, reporting, and public debate – among others. In these areas, the goal of an
intellectually virtuous person is likely to be others’ acquisition of various cognitive goods. Very little work has been done to explore these alternative applications of intellectual virtue or what they indicate about the intrinsic aims or goals of intellectual virtue.\textsuperscript{80}

Some of the recent work of Robert Roberts and Jay Wood suggests a considerably different type of focus and methodology that might be pursued within autonomous virtue epistemology. Instead of focusing on the general concept of intellectual virtue, Roberts and Wood give their attention primarily to the nature and structure of individual virtues. In their recent book \textit{Intellectual Virtues: An Essay in Regulative Epistemology} (2007) they devote entire chapters to analyses of virtues like intellectual firmness, courage and caution, autonomy, generosity, and humility.\textsuperscript{81} Their aim in these chapters is not to identify the necessary and sufficient conditions for the relevant traits, but rather to offer a “conceptual map” of the characterological dimension of cognitive flourishing.\textsuperscript{82} The result is several rich, well-illustrated, and illuminating philosophical profiles of individual intellectual virtues.

The work of Roberts and Wood illustrates a general, recognizably Aristotelian methodology that can be applied to virtually any intellectual virtue with interesting philosophical results. For any virtue \(V\), the following sorts of questions might profitably be addressed: What are the basic actions, feelings, attitudes, motives, judgments, etc., characteristic of \(V\)? What is to perform these actions, have these feelings, etc., in the right way, at the right time, toward the right person, and so forth? How does \(V\) differ from closely related intellectual virtues? (For example, in the case of open-mindedness, how is this virtue distinct from, say, intellectual empathy or fairness?) Which vices, if any, correspond to \(V\)? And how exactly are they related to \(V\)? Which domains of the intellectual life (e.g. inquiry, teaching, or public debate) does \(V\) bear on most directly? Which epistemic goods does it deliver? And how does it do so? This method is philosophically fruitful, both for the light it sheds on the nature and structure of individual virtues, but also because it helps shore up and illustrate some of the more general or fundamental philosophical questions surrounding intellectual virtue (e.g. whether there is a univocal concept of intellectual virtue that “covers” all of the relevant traits\textsuperscript{83}).
A final general area of potential inquiry begins with the plausible assumption that there are fixed and generic dimensions of the cognitive life that make certain fairly systematic and traceable demands on an agent’s intellectual character. These include dimensions associated with, say, mastering a foreign or challenging subject matter, inquiring in the face of threats to one’s well-being, evaluating testimony, collaborating with others in intellectual ventures (e.g. coauthoring an article or doing group research), engaging an intellectual opponent or adversary, teaching a difficult subject matter, or motivating an audience to care about a particular idea or body of knowledge. It is plausible to think that success or failure in these and related domains depends in substantial and systematic ways on the extent to which one exercises one or more intellectual virtues (to follow through with a threatening but important inquiry, one needs intellectual courage and perseverance; to carry out a joint intellectual venture, one needs to be intellectually open, attentive, and adaptable; etc.). This suggests an additional method for studying the intellectual virtues from an epistemological standpoint. For a given intellectual domain $D$, we might ask: What is the general structure of $D$? What sorts of character-relevant demands does success in $D$ typically involve? Which virtues are relevant to meeting these demands? How are they relevant? How do they contribute to success in $D$?  

A good example of this sort of inquiry is some recent work by Miranda Fricker. In a recent essay (2003), and in an even more recent book (2007), Fricker examines the role of intellectual character in the evaluation of testimony. She is concerned in particular with certain sorts of injustices that tend to occur in this domain (e.g. where a person’s word or opinion is not taken seriously because of her gender, race, or accent). Fricker makes clear that the injustices in question admit of a definite, discernable structure and she argues convincingly that the proper corrective is a certain “testimonial sensibility,” which is partly constituted by an intellectual virtue she labels “reflexive critical openness” (2003, pp. 8-11 and 17-19). Fricker’s work in this area reveals some of the subtle, complex, but ultimately systematic and traceable ways in which the intellectual virtues are related to cognitive success; it is a model of the sort of inquiry that a defender of an autonomous virtue epistemology might profitably undertake.
This canvassing of various issues and questions pertaining to intellectual virtue suggests five broad themes or categories that might constitute the theoretical focus of a plausible version of Moderate Autonomous VE: (1) The fundamental nature of an intellectual virtue (What exactly makes the traits in question intellectual virtues? Is there just a single “right answer” to this question?); (2) The fundamental structure of an intellectual virtue (Which psychological states are essential to intellectual virtue? How are they related to each other? What is the range of potential aims or goals associated with intellectual virtue?); (3) Relations among intellectual virtues (On what sorts of configurations of virtues does reliability supervene? To what extent are the intellectual virtues “unified”? How can they be individuated? Are there any “master” or “executive” intellectual virtues?); (4) The relation of intellectual virtues to other dimensions or elements of the intellectual life or intellectual character (Which virtues pertain to which dimensions of the cognitive life? How do they do so? What general or systematic connections between various virtues or groups of virtues, on the one hand, and various cognitive domains, on the other, can be identified? How are intellectual virtues related to intellectual vices? Do intellectual virtues represent a “mean” between a corresponding vice of deficiency and vice of excess?); (5) The internal structure and application of individual intellectual virtues (How are we to understand what appear to be structurally unique virtues like intellectual integrity or wisdom? Or, for any virtue, what are the essential psychological ingredients of that virtue? And what is it to manifest or instantiate these ingredients in the right way, at the right time, toward the right person, etc.?).

The aim of identifying these various avenues of inquiry has been to say something in support of the idea that there are indeed issues and questions for virtue epistemologists to talk about in connection with the intellectual virtues even after they give up trying to “solve” one or more problems within traditional epistemology. Cursory as it has been, I take it that the discussion does warrant at least some optimism – and hopefully some enthusiasm – about the prospects of Moderate Autonomous VE. Because of its direct or immediate focus on the matters of intellectual character, such an approach might properly be dubbed character epistemology.\textsuperscript{85}
3. Conclusion

We have delineated four main varieties of character-based virtue epistemology and have found that two of the four face formidable challenges: Strong Conservative VE on account of its commitment to the idea that something like an exercise of intellectual virtue is an essential feature of knowledge; and Radical Autonomous VE on account of its contention that traditional epistemology should be repudiated in favor of an autonomous, virtue-based approach. A more promising alternative to the former, we have found, is Weak Conservative VE, which, instead of trying to give the concept of intellectual virtue a “central and fundamental” role in connection with one or more traditional epistemological problems, sees this concept as occupying a mere background or peripheral role in this context. And a more promising alternative to Radical Autonomous VE is Moderate Autonomous VE, which regards an independent concern with intellectual virtues and their role in the intellectual life as providing a suitable complement to traditional epistemology. While the approaches of Weak Conservative VE and Moderate Autonomous VE are still largely undeveloped, they seem likely to represent the way of the future within character-based virtue epistemology.86

References


1 The last systematic account of the literature in virtue epistemology was Guy Axtell’s 1997 paper “Recent Work in Virtue Epistemology.”

2 Par. 1.


4 See, e.g., Hookway 2006 and Baehr 2006a, 2006b, and forthcoming.

See e.g. Blackburn 2001, in which he characterizes a faculty-based virtue epistemology as little more than a revamped reliabilism.

For an overview and representative sample of traditional epistemology see BonJour 2002. Some other topics or debates that might reasonably be included under the “traditional” rubric include contextualism and infinitism. Though these issues have come to the fore in epistemology more recently than the issues just listed, they (as well as others) are still aimed at addressing or “solving” the traditional epistemological questions. At any rate, as will become clear shortly, it is not important for drawing the relevant fourfold distinction that the line between traditional and non-traditional epistemology be drawn too sharply.


9 See, e.g., pp. 279-81, 291-95, 329-34. Guy Axtell (forthcoming) and Abrol Fairweather (2001) are also supportive of giving the concept of intellectual character virtue a significant role in an account of knowledge. Axtell, however, does not define the notion of intellectual virtue as a certain type of character trait; instead he endorses a “thinner” conception of intellectual virtue which incorporates both character virtues and faculty virtues.

10 Of course the two sorts of approaches need not be entirely mutually exclusive in the sense that one might, like Zagzebski (1996) apparently does, think that there are major conceptual connections between intellectual virtue and traditional epistemology and that matters of intellectual virtue are epistemologically interesting in their own right.


12 I use the terms “moderate” and “radical” here rather than “weak” and “strong” both because they provide a more accurate description of the relevant views and to mark the fact, noted above and elaborated on below, that the basis of the distinction between the two types of autonomous virtue epistemology is significantly different than that between the two types of conservative virtue epistemology.

13 While ultimately stopping short of calling for a total repudiation of traditional epistemology, Code 1987, Roberts and Wood 2007, and Hookway 2003 also flirt with Radical VE.

14 P. 169.

15 Pp. 170-73.

16 P. 176.

17 Pp. 182-86.

18 At times, Kvanvig’s position regarding the status of traditional epistemology is somewhat less clear (see esp. p. 171). However, at several other points (see, e.g., pp. 150, 158, 168, 170, and 187), he seems clearly to be calling for the rejection of traditional epistemology. And, at any rate, the actual content of his argument (discussed below) is such that, if valid, it apparently eliminates any motivation for traditional epistemology.

19 Pp. 63-64; 253.

20 P. 13.

21 P. 3.

22 As this suggests, other ways of carving up the relevant terrain (including ways that might somehow “in principle” be more plausible) may be possible. My concern, again, is to try to impose some order on the field of virtue epistemology in its present state.

23 Or of epistemic justification, but since justification is commonly thought to be a (and indeed the relevant) ingredient of knowledge, I shall limit my attention here to whether an exercise of intellectual virtue is essential to knowledge.

24 This might be put by saying that traditional debates are about the concept of knowledge and thus about its essential or defining features. But as some of the recent work of Bob Roberts and Jay Wood (2007, Chs. 1-2) shows, it is possible to clarify or shed light on the concept of knowledge without limiting one’s attention to (or even focusing primarily on) its essential features.

25 And indeed, for some of the traditional questions (e.g., those concerning the fundamental sources of knowledge), it is not at all clear how the concept of an intellectual virtue could form the basis of an answer even if knowledge could plausibly be defined in terms of intellectual virtue.

26 This is essentially what is involved with the performance of “acts of intellectual virtue.” See Zagzebski 1996, p. 279, for a development of this point.

27 Of course on a broader conception of intellectual virtue – e.g. one that includes intellectual or cognitive faculties – these cases might be easily accounted for. But our concern is with the intellectual character virtues, that is, with intellectual virtues conceived as excellences of personal character (rather than as cognitive faculties).

28 See especially 1996 pp. 277-83. It is not easy to tell, however, just what Zagzebski thinks makes something an instance of low-grade knowledge (e.g. whether this is a function of the content of the relevant propositions, the
processes by which the beliefs in question are formed, or something else). But since it is easy enough to agree on paradigm cases, we not settle this issue here.

30 Ibid., p. 262f.

This is the case for so-called “particularists.” See e.g. Chisholm 1966. Note that regarding items of low-grade of knowledge as among the clearest instances of knowledge is not necessarily the same as regarding them as “paradigm cases” of knowledge. Zagzebski takes issue with the latter claim (69; 278). But her discussion suggests that paradigm cases of knowledge represent the upper normative boundary of human cognition, which of course need not be the case for the clearest or least controversial instances of knowledge.

31 Along the latter lines, it might be claimed that what Zagzebski is really trying to offer is something like an analysis of “higher grade” or “reflective” knowledge, which excludes simple perceptual knowledge and the like. But this response does not appear capable of rescuing Strong Conservative VE. The main reason is that there does not appear to be a univocal, pretheoretical concept of “higher grade” or “reflective” knowledge that is likely to admit of a virtue-based analysis. The notion of “reflective knowledge” does have some currency in the epistemological literature (and, I take it, some traction in commonsense). See, e.g., Sosa 1991. However, on standard ways of thinking about what, in general, such knowledge amounts to, it appears possible to acquire reflective knowledge absent any intellectually virtuous motives and actions (or at least absent these things’ playing the required causal role vis à-vis the truth of the known belief – more on this below). Suppose that reflective knowledge requires having a “reflective perspective” on the known belief and that this amounts to something like having good evidence or reasons in support of this belief. (While this is not precisely Sosa’s account, I think it is an accurate description of the general sort of knowledge of which Sosa offers a more precise and slightly differently focused analysis.) It seems quite possible that one might, say, follow a simple chain of reasoning in support of a certain belief and thus have good evidence for this belief, and yet not be manifesting any excellences of intellectual character. It appears, then, that Zagzebski’s conditions do not map onto any univocal and pretheoretical concept of “higher grade” or “reflective knowledge and thus they cannot vindicate Strong Conservative VE on this account.

32 See especially the very bottom of p. 279 and the top of p. 280.

33 Ibid. p. 280.

34 Another way to bring out the point is in connection with Zagzebski’s suggestion that a belief counts as knowledge only if it is formed in a manner that an intellectually virtuous person would characteristically form it (279). For it is not characteristic of intellectual virtue to form beliefs in the relevant passive way – even if intellectually virtuous people (just not “as such” or characteristically) do sometimes form them in this way.

35 Pp. 280-81.

36 Zagzebski also mentions a counterfactual condition according to which ( roughly) a belief counts as an instance of low-grade knowledge only if, were the person in question presented with counterevidence to the relevant proposition, this person would confront and handle the counterevidence in an intellectually virtuous way (pp. 280-81). This condition is aimed at preventing an account of knowledge from being too permissive or lenient. But since my objection below is intended to show that Zagzebski’s account is not permissive enough, we need not worry about this condition here.

37 Ibid., p. 280.

38 This condition is necessary, among other reasons, for dealing adequately with the Gettier problem. See ibid. pp. 283-98, Greco 2003, and Sosa 2007. On a related note, it is in fact unclear, in the cases in question, whether the relevant low-level motives or actions stand in the required causal relation even to the relevant beliefs. It is one thing for the motives and actions to present; it is another for them (vs. the person’s cognitive machinery, say) to be the source or cause of the belief (much less of the truth of this belief).


40 It might be wondered whether beliefs like this are in fact the product of an entrenched perceptual habit that might at some level involve virtuous motives or actions. This may very well be the case for certain spontaneous perceptual beliefs. An expert birdwatcher, for instance, might automatically and reflexively form a belief about the identity of a passing bird that we would be prepared to count as knowledge; and this process or event might involve virtuous agency at some level – either in the process itself (spontaneous or automatic as it is) or in the initial formation of the corresponding perceptual habit. But this sort of case is very different from the “lights out” case just considered. While in cases like that of the birdwatcher just noted, there is no temptation to characterize the relevant perceptual process or event (the formation of the birdwatcher’s belief) as brute, this is a plausible characterization of the sort of cognitive process or processes involved with the “lights out” and other related cases. This suggests that while both types of belief are formed spontaneously, whatever type of perceptual habit may be involved with kind of case at issue does not involve any virtuous motives or actions.
As indicated earlier, several authors flirt with Radical Autonomous VE, but ultimately stop short of endorsing it, opting instead for a version of Weak Conservative VE. This includes Roberts and Wood 2007 and Hookway 2003.

See, for instance, pp. vii-x and pp. 186-87.

Ibid. p. vii.

Ibid. p. 167 and p. vii.

See Chapters 2-5.

For a sketch of this alternative approach, see pp. 170-88.

NE Book 1 Chapter 2 (1094a).

And it should be kept in mind that the negative challenge in question is only half the battle for Radical Autonomous VE. It also faces a certain positive challenge, which I get to below.

Whether we might know a great many things without a first person awareness of this fact depends on whether externalism about knowledge is correct – an issue I will not attempt to address here. Also, it may be that in the situation just described we would also be lacking in many other epistemic desiderata: e.g. it might be important that we have true beliefs about certain “interesting” subject matters; or we may lack a share in certain epistemic goods that are not reducible to knowledge or true belief (e.g. understanding). My concern here, however, is limited to the relevant kind of awareness of the epistemic status of our beliefs.

A possible exception might be self-evident or a priori truths.

For a similar line, see BonJour 1987.

See BonJour ibid.

I am not suggesting that these considerations motivate the full range of traditional questions and issues. Moreover, I have avoided talk of “justification” (favoring instead the notion of good epistemic reasons) in order to avoid making any controversial assumptions about the nature of this concept, its relation to knowledge, etc. Thus what I have said is consistent with either internalist or externalist accounts of justification and with the view that justification is not even necessary for knowledge.


See Baehr 2006b pp. 206-12 for a development of this point.

The two need not exclude each other, since one might identify forming/maintaining beliefs in accordance with the available evidence as the relevant form of reliability. For a representative sample of evidentialism, see Conee and Feldman 2004.

I am characterizing evidentialism as a thesis about justification rather than knowledge. But with the addition of a truth (and perhaps an anti-Gettier) condition, it can easily be adapted as a thesis about knowledge.

See Baehr forthcoming for a development of this and the points to follow.

See, e.g., John Turri’s “Believing for a Reason.” Guy Axtell’s recent account of knowledge (forthcoming) also strikes me as rightly regarded as a contribution to Weak Conservative VE. Axtell defends a virtue-based account of knowledge, but he does not define the notion of an intellectual virtue as a character trait. Nonetheless, intellectual character virtues, along with faculty virtues, do count as intellectual virtues and thus can contribute to knowledge on his view. His account is not a version of Strong Conservative VE, however, because he does not give the concept of an intellectual character virtue as such the central or fundamental role in the account.

A similar worry can be raised in connection with Kvanvig’s proposed version of Radical Autonomous VE. See note 66 below.

As I explain below, this lack of traction can be due to any number of factors: the questions or issues may be more or less a matter of commonsense; they may be amenable strictly or primarily to empirical inquiry; or they may be the proper subject matter of some other philosophical discipline like ethics. Where any of these possibilities obtains, the relevant issues and questions will fail to support an alternative, virtue-based approach to epistemology, for the content of epistemology exceeds that of commonsense, is not (unlike cognitive science, say) exclusively or primarily empirical, and is distinct from (even if closely related to) that of ethics.

Ibid. pp. 58-59. For similar passages, see pp. 61-66, 131-44, and 172-77.

For a related worry concerning whether Code successfully outlines a genuine epistemological alternative, see BonJour 1990.

See especially Hookway 2003.

An analogous point can be made about Hookway’s discussion (2001) of the connection between intellectual virtue and epistemic akrasia noted earlier. I think Hookway is entirely correct to suggest that the possession of various intellectual character virtues is the proper antidote to the relevant kind of weakness of the will. What he fails to make sufficiently clear, however, is what bearing this should have on the practice of epistemology. He does not
make clear enough why the proper response to his argument (by an epistemologist or anyone else) should not be simple concession or agreement, with little further discussion or inquiry or debate to be had on the matter.

60 Two other discussions are also worth noting briefly here. To his credit, Kvanvig (1993) does more than Code or Hookway to attempt to outline a positive theoretical research program that might underwrite an alternative, virtue-based approach to epistemology (see esp. pp. 164-86). However, I think he fails to make good on the claim that a concern with intellectual character will enjoy pride of place in the program he sketches. For instance, consider the question, which Kvanvig describes as central to his preferred approach, of “what makes certain organized claims to truth epistemologically more significant than others,” for example, of “what makes physics better off than, say astrology; or what makes scientific books, articles, addresses, or lectures somehow more respectable from an epistemological point of view than books, articles, addresses or lectures regarding astrology” (176). The concept of an intellectual virtue seems no more likely to figure prominently into a response to these questions than it does in an analysis of knowledge. James Montmarquet is also regarded as one of the early proponents of character-based virtue epistemology. However, the thrust of his book Epistemic Virtue and Doxastic Responsibility (1992) is a virtue-based account of doxastic justification which he claims is essential for an adequate understanding of moral responsibility. Montmarquet himself acknowledges that the conception of justification that interests him is different from the conception that interests epistemologists. Accordingly, Montmarquet’s analysis comes off looking like the proper subject matter of ethics rather than epistemology. (It is not clear, in fact, that Montmarquet would want to disagree with this assessment.) As a result, Montmarquet’s treatment of intellectual virtue also fails to warrant much optimism about the prospects of an autonomous, virtue-based approach to epistemology.

61 I think a similar error is made in some of the virtue ethics literature. See note 72 below.

62 Of course it may often happen that a thing with epistemic significance also has epistemological significance. The point is simply that the former is not a guarantee of the latter. The general point here is also evident in epistemologists’ tendency to focus on those aspects of knowledge that are particularly puzzling or problematic: aspects that conflict with our ordinary or intuitive ways of thinking (e.g. our assumption that we know a great deal about the external world or that inductive reasoning is cogent) or that seem recalcitrant to commonsense understanding (e.g. How reason could be an autonomous source of knowledge? How can sensory experience justify our beliefs?)

64 1987, pp. 26-27.
65 These claims about Code’s and Hookway’s reasoning are further substantiated by the fact that neither (to my knowledge) offers any additional arguments or considerations (beyond what I have called the “epistemic” significance of the intellectual virtues) in favor of the idea that reflection on the these traits should be a priority in epistemology. Thus they apparently regard the epistemic significance of the intellectual virtues as a sufficient indication of their epistemological significance.
66 It is worth noting that an analogous challenge exists within the domain of virtue ethics; and that here too it sometimes goes unnoticed. In the virtue ethics literature, it is not uncommon to find an enthusiastic optimism about a virtue-based approach to ethics that does not bow to modern or traditional ethical questions and preoccupations. However, as with the virtue epistemology literature, this optimism sometimes goes unchallenged. In this connection, Robert Louden (1997) has noted that “most of the work done in [virtue ethics] has a negative rather than positive thrust – its primary aim is more to criticise than to state positively and precisely what its own alternative is” (181; my italics). He adds that this literature “often has a somewhat misty antiquarian air. It is frequently said, for instance, that the Greeks advocated a virtue ethics, though precisely what it is they were advocating is not always spelled out” (ibid.). While a lot has changed in virtue ethics since the publication of Louden’s essay, much of it has been in what might be dubbed Strong Conservative Virtue Ethics. For instance, the most fully developed approach to virtue ethics to date is Rosalind Hursthouse’s On Virtue Ethics (1999), but her project in this book is squarely within the tradition of modern moral philosophy, in the sense that her primary aim is to defend a virtue-based account of morally right action. One upshot of all of this is that optimism about Moderate Autonomous Virtue Epistemology cannot be grounded in an unsubstantiated optimism about corresponding, “autonomous” approaches to virtue ethics.
67 Some of these issues and questions are discussed in Baehr 2006a.
68 Dancy 2000 suggests a similar account. Ch. 6 of Kvanvig 1992 and Zagzebski 1996 also contain related discussions.
69 The reason being that the relevant personal worth or value intuitively is intrinsically valuable.
70 Pp. 168-83.
71 Pp. 166-68.
There are, however, resources in the virtue ethics literature that might be used to mount an argument against this claim. See, for instance, Arpaly 2002 and Driver 2001. This disagreement reinforces the point that there are genuine philosophical questions or challenges associated with trying to get a handle on the internal structure of an intellectual virtue.

A further possibility worth considering is that the concept of intellectual virtue is not fully determinate or univocal to begin with, in which case there may not be any general or univocal “right answers” to these questions. Both Battaly 2001 and Roberts and Wood 2007 suggest something like this position.

One exception is Roberts and Wood 2003 and 2007. These authors characterize the intellectual virtues as bearing on the acquisition, maintenance, transmission, and application of knowledge. And they discuss some of the non-egoistic applications of intellectual virtue in rich detail. See, for example, their discussion of intellectual generosity (2007, Ch. 11). Jason Kawall (2002) also argues convincingly that intellectual virtues are not strictly egoistic.

These authors refrain from drawing a sharp distinction between intellectual and moral virtues; but their concern here is with the application of the traits in question to the intellectual life.


See Roberts and Wood 2007 for a defense of the claim that there is no such concept.

Such a project would overcome the “theoretical challenge” discussed above given that the connections in question are indeed broad and systematic and that they are not simply a matter of commonsense. I take it that both of these assumptions are plausible. If developed in more detail, some of what Hookway or Code say in support of a virtue-based approach to epistemology (e.g. Hookway 2001 and 2003 and Code 1987) might be viewed as motivating inquiries of this sort. But again, as their discussions stand, they fail to say enough about the structure of the relevant domains or about the ways in which the intellectual virtues are systematically useful in these domains.

Cf. Baehr 2006a. A final point is that while such an approach would be closely aligned with virtue ethics, it would be a mistake to regard this approach as a version of ethics rather than epistemology. For while the relevant issues and questions are not about the nature, sources, and limits of knowledge per se, they are concerned with personal character as it relates, both intentionally and causally, to distinctively epistemic ends like knowledge, truth, rationality, and understanding. This by itself appears sufficient for regarding these issues as proper to epistemology broadly conceived. As these remarks suggest, however, I see no reason to deny that this may be an area in which epistemology and ethics overlap.

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