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FRANK KNIGHT AND ORIGINAL SIN

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Many people would say that John Maynard Keynes made a greater impact on the history of the twentieth century than any other economist. Yet it would not be farfetched to suggest that Frank H. Knight deserves to be ranked with Keynes in this regard. The manner of their influence, to be sure, was altogether different. Besides writing *The General Theory*, Keynes circulated his policy advice at the highest levels of the British government and had a great ability to influence public opinion through his popular writings. In complete contrast, Knight made his great impact on the world as a teacher. Indeed, the history of the Chicago school of economics begins with Frank Knight. Without his teaching in the economics department at the University of Chicago, the Chicago school, which was destined to have such extraordinary influence on the world during the second half of the twentieth century, might never have come into existence.

According to Melvin Reder, "the personal affection and mutual esteem in which Knight and his proteges held one another facilitated the collaborative efforts of the latter. The informal but very effective promotional aspect of the Chicago School sprang from the affinity group of Knight's students and proteges that formed in the middle 1930s. The principal members of this group were Milton and Rose Director Friedman, George Stigler, Allen Wallis, and Henry Simons." As a result, "the 'baton passer' of the initial Chicago group ... was Knight" (1982,6-7).

Knight's greatness as a teacher manifested itself not in inspirational lecturing or in instilling a specific body of knowledge in the students and younger faculty who passed through the Chicago department. Indeed, beyond the common antagonism of most leading members of the Chicago school to plans for the scientific management of society by government, Knight's followers in the Chicago school would later reject many of his beliefs. Knight's greatest source of influence was the spirit of radical questioning that he inculcated. Almost in the manner of Socrates, Knight doubted every orthodoxy, often extending that attitude to his own arguments (Raines and Jung 1986). As George J. Stigler has commented, Knight was the original source of the Chicago tradition that "great reputation and high office deserve little respect." At Chicago, students were taught a "studied irreverence toward authority" that had a "special slant: contemporary ideas were to be treated even more skeptically than those of earlier periods" (1995,98). Following Knight, Chicago economists such as Milton Friedman, Stigler, Ronald Coase, Gary Becker, and others would all show great independence of mind. Chicago economists have consistently exhibited the courage to advance ideas that at least initially might be offensive if not outrageous to many holders of conventional opinion, including in many cases those in the economic mainstream of American society.

Yet much that was initially rejected is now the conventional wisdom. All in all, the impact of the Chicago school not only on American economics but on all American social science and on government policy has been nothing short of astonishing. Since 1975, thirteen winners of the Nobel Prize in economic science have had a close connection, either as a faculty member or as a recipient of the Ph.D. degree, with the

University of Chicago. In the 1990s, seven of the seventeen Nobel Prize winners in economics (some years had multiple awards), including Coase (1991), Becket (1992), and Robert Lucas (1995), were past or (mostly) present faculty members at Chicago.[1]

Frank Knight and Chicago

Knight came to the Chicago economics department in 1927 and remained an active member well past his retirement from full-time teaching in 1951 and until his death in 1972. Stigler wrote his Ph.D. thesis under Knight, and Milton Friedman was a Knight student in the 1930s, later describing him as "our great and revered teacher" (Friedman and Friedman 1981, 117). As the old saying went at Chicago, "there is no God, but Frank Knight is his prophet" (Buchanan 1982, xi; see also Buchanan 1991).

Coase once related that he could conceive of himself matching the achievements of many of the leading members of the economics profession, but "I simply cannot imagine myself to be like Frank Knight. I guess that amounts to saying that Knight is a genius." In a reminiscence on his years as a graduate student taking Knight's courses in the 1940s, Don Patinkin commented that Knight frequently spoke in a "rambling and often obscure manner." Yet, because of the demands he made of his students and the range of his thought, he was still "a great teacher" whose lessons would continue to guide his students in their "thinking many years later" (1981,25-26). James Buchanan, who studied under Knight in the 1940s, would later observe that "I find myself confronted time and again with Knight's much earlier and more sophisticated statement of the same thing [that I said later]. It is as if on rereading Knight I am retracing the sources of my own thoughts, which themselves have somehow emerged without conscious recognition that they are derived from him" (1982,x).

Knight did not consider himself a Christian--indeed, he was famous for his antagonism to traditional religion (Kern 1988). Yet, he joined a theologian to write a book (each author wrote separate sections) called *The Economic Order and Religion* (Knight and Merriam [1945] 1979). When the time came to deliver his presidential address to the American Economic Association in 1950, Knight self-consciously labeled it his "sermon" to the profession (Knight 1951). In teaching his economics courses, Knight was, as Patinkin observed, prone to engage in "long digressions on the nature of man and society--and God" (1981,46). The core social and economic problem in Knight's view was one of "discovery and definition of values--a moral, not to say a religious, problem," which stood in great contrast to progressive aspirations to the "value-free" scientific management of society (Knight 1936, 52).

Knight is best known to most economists today for his influential 1921 book *Risk, Uncertainty, and Profit*, in which he undertook one of the first systematic explorations of a subject that has since become more central to economic theory: the impact of informational uncertainties as a determining factor in the organization of industry (Dewey 1990). However, Knight would soon move on to become more of a moral philosopher than a microeconomist (Sally 1997). Although current economists typically know little about Knight as moral philosopher, it was in that capacity that the key figures in the Chicago school of economics encountered him and in which he exerted his greatest influence on its future development.

If the ethics of self-interest is the core moral/religious issue for economics, Knight's way of thinking about the place of self-interest in society contrasted starkly with his fellow economists' thoughts on the subject. Knight doubted the possibility of the scientific management of society through the manipulation of self-interest in the market or otherwise. Human reason, he believed, was a frail instrument, often corrupted by the baser elements in human nature. In contrast to the great majority of economists of his time, he thought that the economic problem in society was ultimately a religious problem. The defense of freedom--including the opportunity to express self-interest in the market--must rest not on a scientific demonstration but on an adequate moral/philosophical foundation.

For Knight, that foundation lay in the central moral importance he ascribed to individual liberty. He had a strong libertarian strain, the source of a powerful libertarian influence that continues at Chicago to the present time. Yet he did not believe that individuals can exist independent of a grounding in some culture or society; human beings, he thought, are social by nature. Everyone has to be grounded in some cultural system, historically including religion as a main source of group identity. Nevertheless, given the inevitably wide range of religious views and the potential for strong disagreements, the market provides a place where people of different creeds can come together for voluntary exchange and mutual benefit, an

alternative much preferable to the wars and other terrible conflicts of past human history, often at their most destructive when fought in the name of religion.

If Knight's views were unusual for an economist of his time, they were less novel than it appeared to many of his professional contemporaries. Indeed, in a secular form, Knight was expressing a classic Christian view of fallen man, beset by original sin. In a long-standing Christian tradition (if not the only such tradition), the existence of private property and the marketplace has been seen as an unfortunate but necessary concession to the pervasive presence of evil in the world. In the past in the Garden of Eden and in the future in heaven, there will be no private property (or government). In the current world infected by sin, private property and the pursuit of profit are the best means of maintaining a semblance of order in society. As Richard Schlatter explains, a longstanding Christian view holds that "since the fall [in the Garden] the natures of men, all of them depraved, make necessary instruments of social domination. The division of property, which gives some men a power over the lives of others, is one such instrument" ([1951] 1973, 35).

For Knight, even a priesthood--of economists or others--cannot be exempt from the general human condition; the professional experts will be sinners as well. Knight is the beginning of a fundamental break of the Chicago school with the economic mainstream of the time, a new assumption that self-interest will be expressed not only in the marketplace but in the actions of government and indeed perhaps in every area of society. It is a secular form of an old view, characteristic of Calvin and other Protestant reformers, that sin has fundamentally invaded every aspect of human existence. Although Roman Catholic theologians also recognized the centrality of sin in the world, they tended to express considerably greater faith in human reason and in the possibilities for rational striving toward improvement of the human condition.

Deluded Progressives

The key economist in the founding of the American Economic Association, Richard Ely, argued early in his career (he later would be more cautious in his rhetoric, although his core values would not change much) that the organizing principle of social behavior should be the biblical commandment that "Thou shalt love thy neighbor as thyself." Thus, it was impossible to "serve God and mammon; for the ruling motive of the one service--egotism, selfishness--is the opposite of the ruling motive of the other--altruism, devotion to others, consecration of heart, soul and intellect to the service of others." For Ely in the Social Gospel phase of his life in the 1880s and 1890s the chief motivating force in the world, even in labor and business, must be "love" of fellow human beings rather than the "self-interest" that most economists had long favored (Ely 1889, 1, 6-7).

Ely's attitudes in this respect were representative of those of many leading intellectuals of the American Progressive movement (commonly dated from 1890 to 1920), often associated with the Social Gospel movement (Hopkins 1940). For Knight, this outlook was just one example of how Progressive intellectuals had substituted "romantic" thinking for a realistic approach to the human condition.[2] It is impossible, he said, to conceive of the application of "the 'love' doctrine" as a guiding economic principle "over, say, the population of a modern nation--and, of course, it must ultimately be over the world since, for a world religion [such as Christianity], national boundaries have no moral significance" (1939,126-127,129-131).

Similarly, Knight strongly rejected the economic determinism characteristic of American Progressive thought and the resulting hopes for a radical improvement in the condition of the world (perhaps attaining a state of affairs in which "love" would in fact rule) if the economic problem could ever be finally solved. As he stated, "there is no reason to believe that if all properly economic problems were solved once for all through a fairy gift to every individual of the power to work physical miracles, the social struggle and strife would either be reduced in amount or intensity, or essentially changed in form, to say nothing of improvement--in the absence of some moral revolution which could by no means be assumed to follow in consequence of the change itself" (1939,63). Thus, as Knight saw matters, a core assumption of the Progressive gospel--that economic events are the driving forces in history--was a serious misreading of the human condition. The presence of sin in the world cannot be abolished so easily as by the mere achievement of a state of great material abundance. As Knight once put the matter,

The idea that the social problem is essentially or

primarily economic, in the sense that social action may be concentrated on the economic aspect and other aspects left to take care of themselves, is a fallacy, and to outgrow this fallacy is one of the conditions of progress toward a real solution of the social problem as a whole, including the economic aspect itself. Examination will show that while many conflicts which seem to have a non-economic character are "really" economic, it is just as true that what is called "economic" conflict is "really" rooted in other interests and other forms of rivalry, and that these would remain unabated after any conceivable change in the sphere of economics alone. (1939, 63-64)

In the grand scheme of things, if one motive had to be emphasized, rather than "love," that motive for Knight would be power. The "solemn fact is that what people most commonly want for themselves is their 'own way,' as such, or especially power" (1939,131). Knight sometimes chastised free-market economists, including his own Chicago colleagues, for putting too much emphasis on standard economic motives. In their thinking, "the main argument for laissez-faire was instrumental ... it was intended to increase efficiency"--not so very different in this respect from the Progressive "gospel of efficiency." For Knight, freedom instead means a maximum of power for an individual to control his or her own actions, and this power must be "an end or value in itself," not something merely "instrumental to efficiency" (1939,67). His view was closer to a libertarian than a mainstream economic way of thinking.

Indeed, separating himself clearly from the economic mainstream of his time, Knight believed that "men actually prefer freedom to efficiency, within limits; and both our highest ideals and our laws and institutions recognize that they ought to do so if they do not." Knight was even prepared to argue that people "may even rightly be forced to be free" (1945,100). To submit to power was for Knight to succumb to the temptations of a modern devil--to choose sin over salvation. No one should be allowed, any more in modern times than in days of old, to make that choice.

For Knight--somewhat paradoxically in light of the obvious, powerful influence of Christianity on his own thinking--one of the main threats to freedom lay in the Christian religion (Kern 1988). Indeed, the "history of Christianity" shows that the role of its teachings "has been to sanction established morality, law, and authority, not reform, at least in any constructive or progressive sense." In the Middle Ages, the Roman Catholic Church "became a theocracy" and demonstrated as much concern for preserving its own power as any kings or other secular authorities (Knight 1944, 332). Once in power, Christianity forgot all its core messages of love of fellow human beings and became a "violently intolerant" religion, given to episodes of fierce persecution of heresy and oppression of perceived enemies. Knight noted the "familiar fact" that for many centuries "the Church never condemned or officially opposed slavery" (1939,125).

Whereas the Progressive views of the mainstream of the economics profession followed in the natural-law tradition of emphasizing a rational world, Knight was particularly hostile to the ideas of natural law central to much of the development of Roman Catholic theology over the centuries. He never made any secret of his special dislike for the Roman Catholic Church. Natural-law concepts, he argued, had been "bandied about since the earliest beginnings of the European intellectual tradition," but they had mainly served "to beg the question in favor of any position which a particular writer or school happened to wish to defend or promote." At one time or another, leading theologians of the time had declared rigid social castes, rule by absolute authority, and various other forms of oppression to conform to the laws of nature. Knight concluded that "natural law has served as a defense for any existing order against any change and as an argument for change in any direction" (1944,320). The whole concept of natural law, in short, was for Knight nothing short of an intellectual scandal--the perverting of reason rather than its reaching to the greatest heights.

Scientific Oppression

If the Christian religion had often been false to its own founding principles, in the modern age the Christian churches were no longer the greatest threat to human freedom. As Knight explained, even as Christianity has been much weakened in our own time, we now have to confront a new "milieu in which

science as such is a religion" (1936,53). Knight would write in 1947 that the newer forms of religion promoted a "gospel" that involved a kind of "salvation by science," following in the path of the old natural-law theories that promised a path to salvation by following God's laws. The Progressive follies of his day thus followed in a long tradition of religious pandering to power and oppression in the name of the human faculty of reason (Hammond 1991).

The "plea of communism," Knight argued, with its claims to scientific authority, is much alike that of Christianity," both asserting unique access to final truth and in this way justifying "absolute authority, ignoring freedom" (1951,277). Communism is only one of the modern totalitarianisms, each of which offers "a priesthood as the custodian of [scientific] Truth, 'conditioning' each generation in helpless infancy to unquestioning belief." These new modern forms of scientific authoritarianism drew on "an inheritance" from earlier Christian traditions of "conformity to a sacred law and obedience to consecrated authority, Holy Mother Church and Holy Father King" (1951,275).

Knight saw great danger in the tendency of most social scientists to believe that human behavior is rationally explainable in terms of behavioral laws and principles analogous to the laws discovered by the physical sciences (Knight 1924). This belief would serve merely to open the way to the expression of less-exalted motives: "Any attempt at use of the unqualified procedures of natural science in solving problems of human relations is just another name for a struggle for power, ultimately a completely lawless one" (1948,299). Just as the construction of a dam to control a raging river depended on knowledge of physical science, the advocates of the "scientific management" of society sought to employ social science to bring human actions under similar control (Gonce 1972). Given the frailties of the political arrangements by which human beings governed themselves and the unruly character of human nature, the end of human freedom was likely to be among the consequences. The grand schemes of American Progressive economists, increasingly dominant in the mainstream of the profession in the years after World War II, rested on an assumption that the world is a rational place, but they were bound to fail in the face of "human nature being as irrational as it is" (Knight 1966, 166).

Knight directed his barbs at, for example, a leading work of sociology published in 1947, one year before Paul Samuelson's introductory textbook Economics first appeared, and reflecting a value system similar to Samuelson's. Much as Samuelson throughout his career would seek to convert economics to the methods of physics, the author of this best-selling work of popular sociology, George Lundberg, believed that "the problems of personal life, social relations, and political and economic organization are of the same kind as the prediction and control of events in (non-human) nature and so will similarly yield gradually to the same mode of attack." In order to solve social problems, as Knight characterized Lundberg's views, all that is needed "is that intellectual leaders ... be convened to the scientific point of view" in order that "the social problem will be solved by the application of scientific method" (Knight 1947b, 229, 235).

Such thinking is, however, as Knight labeled it, mere rationalist and "scientistic propaganda" (1947b, 230). Indeed, the "fetish of 'scientific method' in the study of society is one of the two most pernicious forms of romantic folly that are current among the educated"--as bad as the natural-law follies of earlier Christian eras. The plain fact is that a fully rational "science of human behavior, in the literal sense, is impossible." Or again, a "natural or positive science of human conduct" is "an absurdity" (Knight 1951, 258, 260, 261). A key reason that a science of society is impossible is that the scientific analysis is not independent of the object under scrutiny. Social scientists' ideas themselves can change the conception of society and thus alter the very character of the object being studied.

Moreover, even if a true science of society were possible, it would not be desirable (Knight 1925). An individual whose behavior is perfectly and scientifically predictable is not a real human being. It is the element of self-consciousness and the ability to choose--the existence of "free will" in the classic Christian formulation--that distinguishes us from the animal world. If everything is as determinate as in biology, what is to separate a man or woman in moral terms from a dog or an insect?[3] It may well be, Knight commented, "the idiot" who has the greatest amount of "happiness" among human beings, but the pursuit of this kind of pleasurable sensation "is not what makes human life worth while" (1925,279). Many centuries earlier, Martin Luther had similarly complained that the Roman Catholic Church had diminished its followers and endangered human freedom by encouraging the faithful to believe that life, even in such fundamental matters as the attainment of salvation in the hereafter, could follow mechanical rules established by the church hierarchy.

Rather, even if a human being is a biological entity governed by laws of physical nature, "we must [finally] understand ourselves and each other and act intelligently in relation to both, in other terms altogether." Hence, the rational methods of science--yielding the legalistic decrees of any church, Roman, scientific, or otherwise--can hold "no clue to the answer to the essential problems of free society" and to the living of lives of genuine "spiritual freedom" (Knight 1948, 299). In opposition to Roman Catholic theology, the Protestant Reformation proclaimed that salvation is "by faith alone" and that faith is ultimately a mystery only God can fathom. Even in the modern age, a "free society" must act to "find norms somewhere outside the factual space-time world" with which the rational-scientific method is concerned.

In these regards, Knight was following in the tradition of old-fashioned Protestant theology, so contrary to the rationalism of contemporary economics, that original sin would inevitably undermine any human efforts to impose systematic rationality on the world. One of Luther's favorite sayings was the message of St. Paul that "the flesh lusteth against the spirit and the spirit contrary to the flesh," and therefore "so that ye cannot do the things that ye would do" (Kent 1997, 101).

Knight's thinking thus embraced a characteristic Protestant skepticism of a world of beneficial human "works." He was opposed to the core ideas of American Progressive thought, found in such influential works as Samuelson's textbook Economics and in the optimistic faith that the scientific management of society (a particular form of "works") is the path to a future perfection of human existence. Contrary to the rationalist theology of natural law or the mechanical prescriptions of science, no given set of rules will ever show the way to heaven, on earth or elsewhere. As seen by Ross Emmett, a leading contemporary interpreter of Knight's moral philosophy, Knight's thinking reflected an underlying theological view of the basic economic choices facing any society:

In a society which has no recourse to the providential nature of a God who is present in human history, the provision of a justification for the way society works is a "theological" undertaking. Despite the fact that modern economists often forget it, their investigations of the universal problem of scarcity and its consequences for human behavior and social organization is [sic] a form of theological inquiry: in a world where there is no God, scarcity replaces moral evil as the central problem of theodicy, and the process of assigning value becomes the central problem of morality. Knight's (implicit) recognition of the theological nature of economic inquiry in this regard is one of the reasons for his rejection of positivism in economics and his insistence on the fundamentally normative and apologetic character of economics. In some sense, therefore, it is appropriate to say that Knight understood that his role in a society which did not or could not recognize the presence of God was similar to the role of a theologian in a society which explicitly acknowledged God's presence. As a student of society, he was obliged to contribute to society's discussion of the appropriate mechanisms for the coordination of individuals' actions, and to remind the members of society that their discussion could never be divorced from consideration of the type of society they wanted to create and the kind of people they wanted to become. (1994, 118-119)

Rediscovering Original Sin

In the modern era of the Western world, there have been three main competing visions of the origins of human nature. The first is the traditional Judeo-Christian view of human nature corrupted by original sin since the fall of man in the Garden of Eden, leading most men and women to lead lives of falsity, hatred, theft, and other forms of corruption of their truer and better natures. The second is the Darwinian view, in

which human nature is determined by a genetic inheritance that is the product of many thousands (or millions) of years of biological evolution and in which human nature is a form of behavior that has developed to promote the long-run survival of the human species (any concepts of good and evil having no ultimate moral content, but serving as instruments in the workings of the evolutionary process). In the third main view, human nature is shaped by the current environment, predominantly the economic environment--hence creating the possibility that human beings might act on their own to abolish poverty and other causes of bad behavior and thereby eventually to perfect the conditions of existence on earth.

A great iconoclast (in the spirit of Luther and Calvin, we might say "protester"), Knight seemingly rejected all of these explanations for the existence of evil, which were grounded in a particular view of human nature, yet he did not offer any explicit alternative of his own. One must read behind the lines to find Knight's views of the human condition. Indeed, despite all his outward hostility to Christianity, his own theology--mainly expressed in an implicit fashion--followed surprisingly closely in the Calvinist understanding of Christian faith.[4] Although any notion of an actual fall in the Garden of Eden might be a myth, human beings in Knight's view are corrupt creatures whose actual behavior in the world corresponds closely to the biblical understanding of the consequences of original sin.[5]

Knight's system of thought is so far outside the assumptions of the economics mainstream that most economists have simply chosen to ignore his moral philosophy, concentrating on the technical arguments at which he was also skilled. His preaching is for many economists virtually incomprehensible, at times a seeming muddle of confused if not contradictory ideas, made all the more puzzling by the obvious fact of his central role in the development of the Chicago school of economics. This failure of so many economists to understand better the direction of Knight's thought is powerful evidence, if any be needed, of the secularization of American society and the present-day ignorance of old-fashioned Protestant theology. Once it is recognized that Knight's supposed antagonism to Christianity exists only on the surface, his thinking may be easily understood as a secular version of Protestant Christianity, grounded in a conception of the ever-present and powerful workings of sin in the world.

His student and disciple James Buchanan comments: "Why was Knight so different from his peers? My hypothesis is that he can be explained, phenomenologically, only through recalling his roots in evangelical Christianity." Knight was "a product of middle America, of the agricultural economy of Illinois, of the late nineteenth century, of evangelical Christianity." Buchanan attributes Knight's "intense critical spirit" to his having been forced to wrestle in his youth with conflicts and doubts about Christianity (1991,246-47; see also Buchanan 1987). Here, I think Buchanan goes wrong. A better explanation is that Knight's critical spirit was a direct manifestation, if now in a secular form, of a characteristic Protestant outlook on the world. The Calvinist and Puritan mentality in particular has been characterized by deep introspection and a harshly critical attitude toward all claims to authority in both worldly and spiritual domains. It is an outgrowth of the Calvinist conviction that all human beings are deeply infected by original sin and that our best efforts are not likely to be worth much, especially among those who make the grandest claims (Forrester 1981; Walzer 1974).

Thus, one might say that Knight's real religion was a secular Calvinism, his own distinctive brand of "Calvinism minus God." For many leading intellectuals of the modern age, brilliant insights in many areas have been accompanied by a blindness with respect to the Judeo-Christian roots of the underlying value system being expressed. For example, like Calvin--and the English and American Puritans who followed in the tradition of Calvinist theology--Knight saw a "positive moral value of pain and suffering.... The need for this emphasis is indubitable; human nature proverbially appears finer in adversity than in prosperity" (Knight 1945, 39). Much as Puritan theology had preached that excessive wealth was a temptation to sin and thus a danger to one's eternal soul, Knight would remark on another occasion, "it is human nature to be more dissatisfied the better off one is." The motive for providing one's labor is often as much a pride of "workmanship" as any desire for more income to obtain greater consumption. Knight found that mankind was in general a "contrary critter" prone to present a "false exterior" (1951,262,269,273).

Knight was expressing in a secular fashion a set of attitudes common in American life in his formative years (Baltzell 1979). A study of rural life in upstate New York near the end of the nineteenth century finds a common belief that 'virtue inhered in hard work.' Work was not a burden but a source of "contentment," as Paula Baker writes. In this perspective, large "moral and economic benefits" accompanied the very act of labor itself. Indeed, it would be no overstatement to say that hard labor "provided the basis for virtue in

the producer's republic" (1991,14). Such attitudes were far removed from--virtually incompatible with--the narrow utilitarianism of mainstream economic thought, but were manifested themselves in Knight's thinking. As Knight argued as early as 1923, it was necessary to reject "the assumption that human wants are objective and measurable magnitudes and that the satisfaction of such wants is the essence and criterion of value, and ... on the basis of this assumption to reduce ethics to a sort of glorified economics" (33).

Paul Conkin, an American student of the Puritan influence on American history, finds that the Puritan view of the human condition as derived from Calvinist theology has had great staying power in American life. As he explains,

Briefly characterized, the typical Puritan, in 1630 or 1930, reflected ideological assurance but was, at least in most areas and when at his best, open to new ideas. He was very much a moralist, a political activist.... He venerated the rule of objective laws or principles, but he just as insistently believed in congregation and local democracy. He usually reflected a sense of mission, even of a peculiar destiny, and an atmosphere of seriousness and self-importance. Yet he was, or wanted to be, pious, ever mindful of his dependence upon an overarching but never quite fathomable reality, which he loved even without full understanding. Although he sought redemption above all else, he had a wholesome respect for the instrumentality of both material goods and scientific knowledge, trying always to keep either from becoming usurping ends. He demanded a conscientious stewardship of all men and wanted all to have a useful and fulfilling calling or vocation. (1976, 3-4)

Although Knight does not fit every aspect of this description, on the whole he matches it closely. In their own lives, he thought, few people are likely to achieve a goal of happiness. The utilitarian philosophy of life is empirically erroneous and metaphysically shallow. The modern Calvinist, too, must recognize the inevitability of pain and suffering--an outcome that, perversely, is likely to be aggravated by an excessive emphasis on the pursuit of happiness as the central goal in life. Indeed, an excess of utilitarianism is one of the devil's many snares. Since the fall in the Garden of Eden, the rational faculties of human beings have been undermined by their unruly emotions and their easy susceptibility to various hatreds, jealousies, biases, and other psychological maladies.[6]

Hence, as Luther and Calvin both preached and Knight also believed, projects of self-improvement are likely often to achieve consequences that are the very opposite of the intended effect, owing to the frailties of the human condition. Ascetic discipline rather than a pursuit of happiness should guide human conduct. From his attendance of classroom lectures, Patinkin recalled "Knight's commenting that from the long-run viewpoint, ... denial of wants was the only way that a definitive adjustment of wants to resources could be achieved; for history had shown that Western society created new wants just as fast (if not faster than!) it expanded the means of satisfying them" (1981,34).

In a recent commentary on Knight's economic philosophy, Richard Boyd notes that Knight's thinking has "much more in common with Augustine Christianity than it does with the [rationalism and utilitarianism of the] Enlightenment" (1997,537). Martin Luther himself had been an Augustinian monk who despised Thomas Aquinas's rational and mechanical (as Luther saw it) theology of natural law, instead looking--and followed in this respect by many other Protestant reformers--to the earlier and more pessimistic (with respect to sinful life in this fallen world) Augustinian theology (Nelson 1991). As Boyd adds, Knight thus exhibited a fundamentally different worldview than Adam Smith, Friedrich Hayek, and Milton Friedman, all of whom believed more optimistically in the "benefits of progress, development and economic efficiency" (1997,537).

The Augustinian and Calvinist view contrasts greatly with the Progressive economic mainstream view of rational utilitarians choosing how to maximize their own happiness or with the view of a society acting

through a rational process of scientific management to perfect the human condition on earth. In such matters and in coming down on the Calvinist rather than on the Progressive and rationalist side, Knight was a modern kind of Protestant fundamentalist, reacting against the thinking of virtually the entire economics profession of his time.

Knight made his Calvinist proclivities clear in his unique manner of justifying a classical liberal outlook on the world (Knight 1923). He painted the following picture, so different from other economists' aspirations to the scientific management of society: "While effort is justified by good results, these are not expected ever to be satisfying. The experienced reward is more the joy of pursuit than of possession. It is recognized that the solution of any problem will raise more questions than it answers, so that man is committed--doomed ...--to strive toward goals which recede more rapidly than he as an individual, or even society, advances towards them. Thus life is finally, if one chooses, or if one's temperament so dictates, a sort of labor of Sisyphus" (1945,71).

In the broadest view, one might say that, intellectually and theologically speaking, much of U.S. history has reflected a struggle between the pessimistic Puritan view of fallen, sinful man and the optimistic Enlightenment view of rational, utilitarian man. If the great majority of American economists have fallen on the Enlightenment and Progressive side of this divide, Knight was one of the rare exceptions.

If economics were truly a value-neutral undertaking, one would expect that members of the economics profession would have developed a full body of economic thought, with a significant investment of resources and depth of technical analysis, based on Calvinist and Puritan assumptions. If economists had wanted to avoid taking any sides on fundamental value questions, they should have explored thoroughly the workings of Calvinist economic models of the world. An economics that conformed to Calvinist assumptions would have to be very different from mainstream economic models of individual behavior.

Efficiency would not be the highest value because wealth would have to be treated not as a benefit but as a temptation to sin--and thus to depravity on this earth--and a danger to one's eternal soul. The benefits of work would lie not in the goods and services obtained for consumptive purposes; rather, in a true Calvinist economics, people would labor not for the benefit of the consumption obtained but for the disciplining, by hard work, of unruly minds and souls that are always in danger of succumbing to the temptations of the devil. Technically speaking, "utility" would be derived from the labor and other inputs. A potential excess of consumption resulting from such labor would be a constraint (a threat to one's eternal soul, potentially with disastrous consequences, if constant vigilance were not maintained), rather than a desired outcome in itself. The real economic problem would be to serve a calling, to work long and hard, without producing so much wealth in the process as to fall inevitably into temptation and sin. Furthermore, pain and suffering in Calvinist theology (and in a valid accompanying Calvinist economics) can often be benefits rather than costs, as Knight commented of his own thinking.

All this would amount to almost a complete inversion of the foundational assumptions of mainstream economics. That is to say, Progressive benefits would systematically be Calvinist costs, and vice versa. To be sure, economics is not a value-neutral subject, and few microeconomists have ever shown any interest in developing the technical details of a "countermicroeconomics" grounded in Calvinist and Puritan assumptions. With respect specifically to American society, where the value grounds have always been fiercely contested, economists have never sought to conduct an empirical examination of the predictive capacities (or other usefulness) of economic models grounded in Calvinist and Knightian assumptions about the basic character of human motivation, as compared to the predictive powers of conventional economic models grounded in individualistic, rational, and utilitarian assumptions about human nature.

Scientifically, all this is indefensible. Instead of being value neutral, the economics profession has actually been defending a strong value position. In building from only one view of human nature, mainstream economists have in effect been asserting that this view is the correct one.

Communities of Believers

For most mainstream economists, the issue of preference formation has been considered to lie outside

the bounds of economic analysis. The structure of preferences--the utility function--is simply assumed to exist, wherever it may have come from (and it could have come directly from God; it matters little). Knight, however, argued that it is a "fundamental error" to regard "the individual as given, and ... the social problem as one of right relations between given individuals" (1932,84). Rather, the problem of ordering society should be conceived as follows: "The social problem in the strict sense ... is purely intellectual-moral. All physical activity involved in social-legal process is carried out by individuals who act as the agents of society, in so far as they are true to the trust confided to them. Social action, which is social decision, uses as data both facts and cause-and-effect relations, pertaining both to nature and to man. But the social problem is not one of fact--except as values are also facts--nor is it one of means and end. It is a problem of values" (1941,134).

Such views led Knight to embrace a democratic politics of widespread "discussion," a theme that appears over and over again in his writings. Calvin and other Protestant reformers had much earlier denounced the attempts of the Roman Catholic priesthood to impose authoritative and binding interpretations of faith on all the members of the church; instead, as the early Protestant reformers declared, each person must come to his own understanding of religious truth, worked out in discussion with fellow parishioners. Calvinism introduced a powerful commitment to local democracy in the church. For Knight as well, the citizenry will simply have to find a way to some common value basis for social actions through internal political processes of deliberation, however lengthy and cumbersome that social process of discussion may turn out to be. New communities of believers--perhaps nowadays often believers in secular religions--are no less needed today.

Whether organized on a market or any other basis, "society depends upon--we may almost say that it is--moral like-mindedness" (Knight 1939, 55). For Knight, it was essential that this like-mindedness not be dictated by any modern equivalent of the Roman bureaucracy of old, in the current era most likely to be acting in the name of the authoritative decrees of science. The truths of modern religion as well must be reached from the bottom up, from the interactions of free citizens in a democratic polity (Raines and Jung 1986).

A process of democratic discussion requires, to be sure, a whole host of intermediate institutions between the individual and the wider society. The process of discussion must yield "superindividual norms." It is no help in finding agreement on these norms to hear from each person the "mere expression of individual desires." Indeed, the carrying over of the individualism of the free market into the realm of democratic discussion would "intensify the problem" of bringing the discussion to any fruitful outcome (Knight 1951, 266).

With rare exceptions, Knight found, individuals never exist independent of some surrounding institutional and cultural context from which they derive basic values and an identity. According to Knight, the term individual as used in economic theory should in fact be regarded as a shorthand for family.[7] Mainstream economics has misconceived the social problem of American society because it has taken its individualistic and utilitarian models of human behavior too literally. We are all products of our time and place, Knight said. The idea of the lone individual creating (or obtaining in some manner) his own tastes and wants as an independent act is truly a heroic fiction. Instead, we all live within a specific "culture" that teaches common "taste and appreciation" that are "more important than means of gratification" in determining our sense of ourselves as persons and of our individual well-being (Knight 1948, 295).

Hence, for Knight, discussion in society is not about bargaining from fixed individual preference positions to divide up the economic pie. Rather, the whole point of political discussion is to change minds; as a result of democratic deliberation, individual preferences should be constantly revised, leading to the necessary convergence ("likemindedness") of values in the community. If much of the theoretical apparatus of economics is of little use in a world of constantly shifting preference structures, so much for the mainstream economics grounded in the values of the American Progressive gospel.

As a strong defender of market freedoms, Knight in part blamed the current advocates of the free market, including some of his own Chicago colleagues, for the erosion of market freedoms and the wholesale turn to European socialism and American Progressive principles that he saw taking place in his time. For a while in the nineteenth century, there had been a "religion of liberalism [that] had a positive social-moral content." But somehow the value foundation of free markets had been lost. "One of the main factors in the

present crisis is that the public has lost faith, such faith as it ever had, in the moral validity of market values" (Knight 1939, 73). Or, as Knight similarly stated in another context, "the real breakdown of bourgeois society is only superficially economic; ... it is rather political, since indisputably it is the business of the political system to make the economic system function; fundamentally, however, the breakdown is not structural at all, but moral." Classical liberalism had made a basic "intellectual mistake" in that it "failed to see that the social problem is not at bottom intellectual, but moral" (1934,39-40). And no adequate moral defense of the free market was forthcoming at Chicago or among any other group of economists in the twentieth century.

Knight argued that the typical economist's description of the market as a "competitive" system has been "calamitous for understanding" of the true merits of a market system.[8] In his own thinking, the market is ultimately desirable not because competition drives costs and prices down to the lowest feasible levels--which puts the case for the free market in conventional Progressive and instrumental terms of efficiency--but because the market provides the one practical mechanism for resolving in a more satisfactory way (a way that preserves individual freedom) the value tensions that permeate any large and diverse society. Knight argues that the advantages of the market should be understood in terms of promoting a "pattern of cooperation" among people who come together on a noncoercive basis for mutual advantage (1951,265). In this way, even people in a pluralist society who have fundamentally different belief systems are able to work together without first having to reconcile their values to some common set of norms.

Hence, as Knight put it, the market minimizes the role of power in human interactions because in a market "there are no power relations." the market enables each person "to be the judge of his own values and of the use of his own means to achieve them" (1951,258). In grounding actions on mutual consent, the market leaves out any judgments of "selfishness" or other factors of "moral quality or artistic taste" in determining social interactions. A Christian can trade as easily in a market with a Muslim as with a fellow Christian; if they had first been required to agree on value-laden subjects such as religion, no exchanges might ever have taken place.

Here again, Knight's views hark back to Christian origins. In Christian theology, the existence of private property--and the necessity of markets as well--is a product of original sin. In an ideal world, neither would exist. In the current fallen world, property and markets give outlets to human strivings for power and advantage. It may be an imperfect solution, but it is better than the alternatives.

If Knight strongly favored the market over central state control, here again he was manifesting the Calvinist quality of his thinking. As compared to Roman Catholicism, Protestantism in its infancy was fundamentally an individualistic religion in making each of the Protestant faithful responsible for his relationship with God; salvation was a matter of individual "faith alone." This strong individualism eventually had profound social consequences outside the realm of theology. The religious beliefs of the English Puritans laid the basis for modern freedoms in the realms of both government (the democratic system) and the economy (the free market). As the distinguished German theologian Ernst Troeltsch would explain with respect to the great impact of the Puritans in shaping the basic values and social institutions of the modern age:

The great ideas of the separation of Church and State, toleration of different Church societies alongside of one another, the principle of Voluntarism in the formation of these Church-bodies, the (at first, no doubt, only relative) liberty of conviction and opinion in all matters of world-view and religion. Here are the roots of the old liberal theory of the inviolability of the inner personal life by the State, which was subsequently extended to more outward things; here is brought about the end of the medieval idea of civilisation, and coercive Church-and-State civilisation gives place to individual civilisation free of Church direction. The idea is at first religious. Later, it becomes secularized.... But its real foundations are laid in the English Puritan Revolution. The momentum of its religious impulse opened the way for modern

freedom. (1912, 125-26)

Conclusion

The Boston Puritans were also capable of hanging Quakers in the village square for religious heresy, however. Even as Protestants were oppressed elsewhere in Europe, Calvin's Geneva put limits on the tolerance of diversity of religious expression. Protestantism encouraged each small sect to believe fervently that it had found the one true faith; dissenters were not only threats to civic harmony, but virtual (or actual) agents of the devil. Persecution of sinners proved easy to justify among the Protestant elect. The Protestant Reformation plunged Europe into many disastrous wars for 150 years, with individual freedom often a casualty. If Knight was ultimately unable to resolve fully the tension between individual rights and freedoms (including the pursuit of self-interest) and the claims to the common good of the community, it must be said that he has had a lot of company in Protestant theology over the centuries.

Gradually, later members of the Chicago school would recast the Calvinist elements in Knight's economic thought in a more clearly libertarian direction. As one authority on Puritan thought comments, "the preponderance of modern libertarian theory--from French Huguenots, the Netherlands, Scotland and England--came from Calvinists" (Conkin 1976, 18). Libertarianism may not have all the answers--libertarians also experience a tension in resolving the claims of individualism and the demands of community--but in clearly and explicitly rejecting the orthodoxies of the American Progressive gospel and its prescription for the scientific management of society, contemporary libertarian thought opens the way to discussion of whole new governing philosophies.

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1. Other present or past Chicago economists who won Nobel prizes in the 1990s were Merton Miller (1990), Robert Fogel (1993), Myron Scholes (1997), and Robert Mundell (1999). Chicago economist James Heckman won the prize in 2000.
2. This kind of thinking was still widespread in Christian social reform circles even in the late twentieth century. Max Stackhouse and Dennis McCann comment that "all too many religious leaders still cling to the belief that capitalism is greedy, individualistic, exploitative and failing; that socialism is generous, community-affirming, equitable and coming; and that the transition from the one to the other is what God is doing in the world" (1991,44).
3. Among contemporary economists, one finds the clearest echo of Knight's thinking in the writings of his former student James Buchanan. For example, Buchanan considers that a person who behaves strictly according to scientific laws "could not be concerned with choice at all." Indeed, it is "internally contradictory" to speak of individual "choice making under [scientific] certainty." If human dignity and freedom require the power to choose, if the ability to do either good or evil must be within the scope of individual decision making, then that human behavior, Buchanan believes, cannot be strictly determined by scientific rules. The scientific view of a human being as a mechanical instrument denies a person his or her basic humanity (Buchanan 1979).
4. John Calvin was born in 1509 and followed soon after Martin Luther as a leading figure of the Protestant Reformation. The Calvinists adopted a more radical version of Luther's complaints against the Roman Catholic Church. The Puritans in England were among the leading branches of Calvinism in Europe. A pivotal figure in the history of Western religion, Calvin died in 1564 (Bouwsma

1988).

5. The Protestantism of the Reformation saw human behavior as especially corrupted by original sin, thus precluding any prospect of rationally directed action to achieve salvation. A typical Protestant view appears in the writings of Richard Hooker (1558-1600), who wrote of "the shame of our defiled natures," which would surely "shut us out from the kingdom of heaven" if not for the great mercy of God (qtd. in Kent 1997, 102).
6. Speaking of Knight, Stigler says: "Economic theory prescribes the efficient ways of achieving given ends: this to Knight was a pathetically small part of human activity. The effects of acts often diverge grotesquely from the desires which led to them. Wants themselves are highly unstable, and it is their essential nature to change and grow. `The Chief thing which the common-sense individual wants is not satisfactions for the wants he had, but more, and better wants.' So man is an explorer and experimenter, a seeker for unknown and perhaps unknowable truths, a creature better understood through the study of literature than by the scientific method" (1987,58).
7. Gary Becker follows closely in the tradition of Knight and the Chicago school in that he directs an attitude of radical questioning toward all the conventional values of society. However, if Knight still held to his many statements in his writings, he would have to be severely critical of Becker's recent economic approach to the study of the workings of family life as an arrangement among autonomous individuals, each acting within the family for his own benefit.
8. According to Stigler, Knight had an explicitly normative vision of the case for the market, in contrast to most of his fellow economists: "For most present-day economists, the primary purpose of their study is to increase our knowledge of the workings of the enterprise and other economic systems. For Knight, the primary role of economic theory is rather different: it is to contribute to the understanding of how by consensus based upon rational discussion we can fashion liberal society in which individual freedom is preserved and a satisfactory economic performance achieved. This vast social undertaking allows only a small role for the economist, and that role requires only a correct understanding of the central core of value theory" (1987).

References

Baker, Paula. 1991. *The Moral Frameworks of Public Life: Gender, Politics, and the State in Rural New York, 1870-1930*. New York: Oxford University Press.

Baltzell, E. Digby. 1979. *Puritan Boston and Quaker Philadelphia: Two Protestant Ethics and the Spirit of Class Authority and Leadership*. New York: Free Press.

Bouwsma, William. 1988. *John Calvin: A Sixteenth-Century Portrait*. New York: Oxford University Press.

Boyd, Richard. 1997. Frank H. Knight and Ethical Pluralism. *Critical Review* (fall): 519-36.

Breit, William, and Roger W. Spencer, eds. 1995. *Lives of the Laureates: Thirteen Nobel Economists*. 3rd ed. Cambridge, Mass.: MIT Press.

Buchanan, James M. 1979. *What Should Economists Do?* Indianapolis, Ind.: Liberty.

- 1982. Foreword to Freedom and Reform, by Frank Knight. 1947. Reprint. Indianapolis, Ind.: Liberty.
- 1987. The Economizing Element in Knight's Ethical Critique of Capitalist Order. *Ethics* 98: 61-75.
- 1991. Frank H. Knight. In *Remembering the University of Chicago: Teachers, Scientists, and Scholars*, edited by Edward Shils. Chicago: University of Chicago Press.
- Conkin, Paul K. 1976. *Puritans and Pragmatists: Eight Eminent American Thinkers*. Bloomington: Indiana University Press.
- Dewey, Donald. 1990. Frank Knight Before Comeli: Some Light on the Dark Years. In *Research in the History of Economic Thought and Methodology*, vol. 8, edited by Warren Samuels. Greenwich, Conn.: JAI.
- Ely, Richard T. 1889. *Social Aspects of Christianity and Other Essays*. New York: Charles Y. Crowell.
- Emmett, Ross B. 1994. Frank Knight: Economics versus Religion. In *Economics and Religion: Are They Distinct?*, edited by H. Geoffrey Brennan and A. M. C. Waterman. Boston: Kluwer Academic.
- Forrester, Duncan B. 1981. Martin Luther and John Calvin. In *History of Political Philosophy*, edited by Leo Strauss and Joseph Cropsey. Chicago: University of Chicago Press.
- Friedman, Milton, and Rose Friedman. 1981. *Free to Choose: A Personal Statement*. New York: Avon.
- Gonce, Richard A. 1972. Frank H. Knight on Social Control and the Scope and Method of Economics. *Southern Economic Journal* 38: 547-558.
- Hammond, Daniel J. 1991. Frank Knight's Anripositivism. *History of Political Economy* 23: 359-81.
- Hopkins, Charles Howard. 1940. *The Rise of the Social Gospel in American Protestantism, 1865-1915*. New Haven, Conn.: Yale University Press.
- Kent, John. 1997. Christianity: Protestantism. In *Encyclopedia of the World's Religions*, edited by R. C. Zaehner. New York: Barnes and Noble.
- Kern, William S. 1988. Frank Knight on Preachers and Economic Policy: A 19th Century Anti-religionist, He Thought Religion Should Support the Status Quo. *American Journal of Economics and Sociology* (January): 61-69.
- Knight, Frank H. [1921] 1965. *Risk, Uncertainty, and Profit*. Reprint. New York: Harper and Row.
- 1922. Ethics and the Economic Interpretation. *Quarterly Journal of Economics* 36 (May): 454-81. Reprinted in *The Ethics of Competition, 19-40*. New Brunswick, N.J.: Transactions, 1997.
- 1923. The Ethics of Competition. *Quarterly Journal of Economics* 37 (August): 579-624. Reprinted in *The Ethics of Competition, 41-75*. New Brunswick, N.J.: Transactions, 1997.
- 1924. The Limitations of Scientific Method in Economics. In *The Trend of Economics*, edited by Rexford G. Tugwell, 229-67. New York: Knopf. Reprinted in *The Ethics of Competition, 105-47*. New Brunswick, N.J.: Transactions, 1997.
- 1925. Economic Psychology and the Value Problem. *Quarterly Journal of Economics* 39: 372-409. Reprinted in *The Ethics of Competition, 76-104*. New Brunswick, N.J.: Transactions, 1997.

- , 1934. Social Science and the Political Trend. University of Toronto Quarterly 3. Reprinted in Freedom and Reform. Indianapolis, Ind.: Liberty, 1982.
- , [1935] 1997. The Ethics of Competition. Reprint. New Brunswick, N.J.: Transactions.
- , 1936. Pragmatism and Social Action. International Journal of Ethics 46: 229-36. Reprinted in Freedom and Reform, 44-54. Indianapolis, Ind.: Liberty, 1982.
- , 1939. Ethics and Economic Reform. *Economica* 6: 1-29, 296-321, 398-422. Reprinted in Freedom and Reform, 55-153. Indianapolis, Ind.: Liberty, 1982.
- , 1941. Social Science. *Ethics* 51 (January). Reprinted in *On the History and Method of Economics*, 121-34. Chicago: University of Chicago Press, 1956.
- , 1944. The Rights of Man and Natural Law. *Ethics* 44: 124-45. Reprinted in Freedom and Reform, 312-57. Indianapolis, Ind.: Liberty, 1982.
- , 1945. Liberalism and Christianity. In *Economic Order and Religion*, by Frank H. Knight and Thornton W. Merriam. New York: Harper and Brothers.
- , [1947a] 1982. Freedom and Reform: Essays in Economics and Social Philosophy. Indianapolis, Ind.: Liberty.
- , 1947b. Salvation by Science: The Gospel according to Professor Lundberg. *Journal of Political Economy* 55 (December). Reprinted in *On the History and Method of Economics*, 227-47. Chicago: University of Chicago Press, 1956.
- , 1948. Free Society: Its Basic Nature and Problem. *Philosophical Review* 57 (January). Reprinted in *On the History and Method of Economics*, 282-99. Chicago: University of Chicago Press, 1956.
- , 1951. The Role of Principles in Economics and Politics. Presidential address to the American Economic Association, December 28, 1950. *American Economic Review* 41 (March). Reprinted in *On the History and Method of Economics*, 251-81. Chicago: University of Chicago Press, 1956.
- , 1956. *On the History and Method of Economics*. Chicago: University of Chicago Press.
- , 1966. Abstract Economics as Absolute Ethics. *Ethics* (April): 163-77.
- Knight, Frank H., and Thornton W. Merriam. [1945] 1979. *The Economic Order and Religion*. Westport, Conn.: Greenwood.
- Nelson, Robert H. 1991. *Reaching for Heaven on Earth: The Theological Meaning of Economics*. Lanham, Md.: Rowman and Littlefield.
- Patinkin, Don. 1981. *Essays on and in the Chicago Tradition*. Durham, N.C.: Duke University Press.
- Raines, T. Patrick, and Clarence R. Jung. 1986. Knight on Religion and Ethics as Agents of Social Change: An Essay to Commemorate the Centennial of Frank H. Knight's Birth. *American Journal of Economics and Sociology* (October): 429-39.
- Reder, Melvin W. 1982. Chicago Economics: Permanence and Change. *Journal of Economic Literature* (March): 1-38.
- Sally, Razeen. 1997. The Political Economy of Frank Knight: Classical Liberalism from Chicago. *Constitutional Political Economy* 8, no. 2: 123-38.

Schlatter, Richard. [1951] 1973. Private Property: The History of an Idea. New York: Russell and Russell.

Stackhouse, Max L., and Dennis P. McCann. 1991. A Postcommunist Manifesto: Public Theology after the Collapse of Socialism. The Christian Century, January 16, 1, 44-47.

Stigler, George J. 1987. Frank Knight. In The New Palgrave: A Dictionary of Economies, edited by John Eatwell, Murray Milgate, and Peter Newman. New York: Stockton.

-----, 1995. Autobiographical Statement. In Lives of the Laureates: Thirteen Nobel Economists, 3rd ed., edited by William Breit and Roger W. Spencer. Cambridge, Mass.: MIT Press.

Troeltsch, Ernest. [1912] 1958. Protestantism and Progress: A Historical Study of the Relation of Protestantism to the Modern World. Boston: Beacon.

Walzer, Michael. 1974. The Revolution of the Saints: A Study in the Origins of Radical Politics. New York: Atheneum.

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