Every expansive era in the history of mankind has coincided with the operation of factors which have tended to eliminate distance between peoples and classes previously hemmed off from one another. Even the alleged benefits of war, so far as more than alleged, spring from the fact that conflict of peoples at least enforces intercourse between them and thus accidentally enables them to learn from one another, and thereby to expand their horizons. Travels, economic and commercial tendencies, have at present gone far to break down external barriers; to bring peoples and classes into closer and more perceptible connection with one another. It remains for the most part to secure the intellectual and emotional significance of this physical annihilation of space.

2. The Democratic Ideal.—The two elements in our criterion both point to democracy. The first signifies not only more numerous and more varied points of shared common interest, but greater reliance upon the recognition of mutual interests as a factor in social control. The second means not only freer interaction between social groups (once isolated so far as intention could keep up a separation) but change in social habit—its continuous readjustment through meeting the new situations produced by varied intercourse. And these two traits are precisely what characterize the democratically constituted society.

Upon the educational side, we note first that the realization of a form of social life in which interests are mutually interpenetrating, and where progress, or readjustment, is an important consideration, makes a democratic community more interested than other communities have cause to be in deliberate and systematic education. The devotion of democracy to education is a familiar fact. The superficial explanation is that a government resting upon popular suffrage cannot be successful unless those who elect and who obey their governors are educated. Since a democratic society repudiates the principle of external authority, it must find a substitute in voluntary disposition and interest; these can be created only by education. But there is a deeper explanation. A democracy is more than a form of government; it is primarily a mode of associated living, of conjoint communicative experience. The extension in space of the number of individuals who participate in an interest so that each has to refer his own action to that of others, and to consider the action of others to give point and direction to his own, is equivalent to the breaking down of those barriers of class, race, and national territory which kept men from perceiving the full import of their activity. These more numerous and more varied points of contact denote a greater diversity of stimuli to which an individual has to respond; they consequently put a premium on variation in his action. They secure a liberation of powers which remain suppressed as long as the incitations to action are partial, as they must be in a group which in its exclusiveness shuts out many interests.

The widening of the area of shared concerns, and the liberation of a greater diversity of personal capacities which characterize a democracy, are not of course the product of deliberation and conscious effort. On the contrary, they were caused by the development of modes of manufacture and commerce, travel, migration, and intercommunication which flowed from the command of science over natural energy. But after greater individualization on one hand, and a broader community of interest on the other have come into existence, it is a matter of deliberate effort to sustain and extend them. Obviously a society to which stratification into separate classes would be fatal, must see to it that intellectual opportunities are accessible to all on equal and easy terms. A society marked off into classes need be specially attentive only to the education of its ruling elements. A society which is mobile, which is full of channels for the distribution of a change occurring anywhere, must see to it that its members are educated to personal initiative and adaptability. Otherwise, they will be overwhelmed by the changes in which they are caught and whose significance or connection they do not perceive. The result will be a confusion in which a few will appropriate to themselves the results of the blind and externally directed activities of others.

3. The Platonic Educational Philosophy.—Subsequent chapters will be devoted to making explicit the implications of the democratic ideas in education. In the remaining portions of this chapter, we shall consider the educational theories which have been evolved in three epochs when the social import of education was especially conspicuous. The first one to be considered is that of Plato. No one could better express than did he the fact that a society is stably organized when each individual is doing that for which he has aptitude by nature in such a way as to be useful to others (or to contribute to the whole to which he belongs); and that it is the business of education to discover these aptitudes and progressively to train them for social use. Much which has been said so far is borrowed from what Plato first consciously taught the world. But conditions which he could not intellectually control led him to restrict these ideas in their

application. He never got any conception of the indefinite plurality of activities which may characterize an individual and a social group, and consequently limited his view to a limited number of classes of capacities and of social arrangements.

Plato's starting point is that the organization of society depends ultimately upon knowledge of the end of existence. If we do not know its end, we shall be at the mercy of accident and caprice. Unless we know the end, the good, we shall have no criterion for rationally deciding what the possibilities are which should be promoted, nor how social arrangements are to be ordered. We shall have no conception of the proper limits and distribution of activities—what he called justice—as a trait of both individual and social organization. But how is the knowledge of the final and permanent good to be achieved? In dealing with this question we come upon the seemingly insuperable obstacle that such knowledge is not possible save in a just and harmonious social order. Everywhere else the mind is distracted and misled by false valuations and false perspectives. A disorganized and factional society sets up a number of different models and standards. Under such conditions it is impossible for the individual to attain consistency of mind. Only a complete whole is fully self-consistent. A society which rests upon the supremacy of some factor over another irrespective of its rational or proportionate claims, inevitably leads thought astray. It puts a premium on certain things and slurs over others, and creates a mind whose seeming unity is forced and distorted. Education proceeds ultimately from the patterns furnished by institutions, customs, and laws. Only in a just state will these be such as to give the right education; and only those who have rightly trained minds will be able to recognize the end, and ordering principle of things. We seem to be caught in a hopeless circle. However, Plato suggested a way out. A few men, philosophers or lovers of wisdom—or truth—may by study learn at least in outline the proper patterns of true existence. If a powerful ruler should form a state after these patterns, then its regulations could be preserved. An education could be given which would sift individuals, discovering what they were good for, and supplying a method of assigning each to the work in life for which his nature fits him. Each doing his own part, and never transgressing, the order and unity of the whole would be maintained.

It would be impossible to find in any scheme of philosophic thought a more adequate recognition on one hand of the educational significance of social arrangements and, on the other, of the dependence of those arrangements upon the means used to educate the young. It would be impossible to find a deeper sense of the function of education in discovering and developing personal capacities, and training them so that they would connect with the activities of others. Yet the society in which the theory was propounded was so undemocratic that Plato could not work out a solution for the problem whose terms he clearly saw.

While he affirmed with emphasis that the place of the individual in society should not be determined by birth or wealth or any conventional status, but by his own nature as discovered in the process of education, he had no perception of the uniqueness of individuals. For him they fall by nature into classes, and into a very small number of classes at that. Consequently the testing and sifting function of education only shows to which one or three classes an individual belongs. There being no recognition that each individual constitutes his own class, there could be no recognition of the infinite diversity of active tendencies and combinations of tendencies of which an individual is capable. There were only three types of faculties or powers in the individual's constitution. Hence education would soon reach a static limit in each class, for only diversity makes change and progress.

In some individuals, appetites naturally dominate; they are assigned to the laboring and trading class, which expresses and supplies human wants. Others reveal, upon education, that over and above appetites, they have a generous, outgoing, assertively courageous disposition. They become the citizen-subjects of the state; its defenders in war; its internal guardians in peace. But their limit is fixed by their lack of reason, which is a capacity to grasp the universal. Those who possess this are capable of the highest kind of education, and become in time the legislators of the state—for laws are the universals which control the particulars of experience. Thus it is not true that in intent, Plato subordinated the individual to the social whole. But it is true that lacking the perception of the uniqueness of every individual, his incommensurability with others, and consequently not recognizing that a society might change and yet be stable, his doctrine of limited powers and classes came in net effect to the idea of the subordination of individuality.

We cannot better Plato's conviction that an individual is happy and society well organized when each individual engages in those activities for which he has a natural equipment, nor his conviction that it is the primary office of education to discover this equipment to its possessor and train him for its effective use. But progress in knowledge has made us aware of the superficiality of Plato's lumping of individuals and their original powers into a few sharply marked-off classes; it has taught us that original capacities are indefinitely numerous and variable. It is but the other side of this fact to say that in the degree in which society has become democratic, social organization means utilization of the specific and variable qualities of individuals, not stratification by classes. Al-
though his educational philosophy was revolutionary, it was none the less
in bondage to static ideals. He thought that change or alteration was
evidence of lawless flux; that true reality was unchangeable. Hence while
he would radically change the existing state of society, his aim was to
construct a state in which change would subsequently have no place. The
final end of life is fixed; given a state framed with this end in view, not
even minor details are to be altered. Though they might not be inheren-
tly important, yet if permitted they would inure the minds of men to
the idea of change, and hence be dissolving and anarchic. The break-
down of his philosophy is made apparent in the fact that he could not
trust to gradual improvements in education to bring about a better so-
ciety which should then improve education, and so on indefinitely. Cor-
correct education could not come into existence until an ideal state existed,
and after that education would be devoted simply to its conservation. For
the existence of this state he was obliged to trust to some happy accident
by which philosophic wisdom should happen to coincide with possession
of ruling power in the state.

4. The “Individualistic” Ideal of the Eighteenth Century.—In the
eighteenth-century philosophy we find ourselves in a very different circle
of ideas. “Nature” still means something antithetical to existing social
organization; Plato exercised a great influence upon Rousseau. But the
voice of nature now speaks for the diversity of individual talent and for
the need of free development of individuality in all its variety. Education
in accord with nature furnishes the goal and the method of instruction
and discipline. Moreover, the native or original endowment was con-
ceived, in extreme cases, as nonsocial or even as antisocial. Social ar-
rangements were thought of as mere external expedients by which these
nonsocial individuals might secure a greater amount of private happiness
for themselves.

Nevertheless, these statements convey only an inadequate idea of the
true significance of the movement. In reality its chief interest was in
progress and in social progress. The seeming antisocial philosophy was a
somewhat transparent mask for an impetus toward a wider and freer
society—towards cosmopolitanism. The positive ideal was humanity. In
membership in humanity, as distinct from a state, man’s capacities would
be liberated; while in existing political organizations his powers were
hampered and distorted to meet the requirements and selfish interests of
the rulers of the state. The doctrine of extreme individualism was but
the counterpart, the obverse, of ideals of the indefinite perfectedness of
man and of a social organization having a scope as wide as humanity. The
emancipated individual was to become the organ and agent of a com-
prehensive and progressive society.

The heralds of this gospel were acutely conscious of the evils of the
social estate in which they found themselves. They attributed these evils
to the limitations imposed upon the free powers of man. Such limitation
was both distorting and corrupting. Their impassioned devotion to eman-
cipation of life from external restrictions which operated to the exclusive
advantage of the class to whom a past feudal system consigned power,
found intellectual formulation in a worship of nature. To give “nature”
full swing was to replace an artificial, corrupt, and inequitable social
order by a new and better kingdom of humanity. Unrestrained faith in
Nature as both a model and a working power was strengthened by the
advances of natural science. Inquiry freed from prejudice and artificial
restraints of church and state had revealed that the world is a scene of
law. The Newtonian solar system, which expressed the reign of natural
law, was a scene of wonderful harmony, where every force balanced with
every other. Natural law would accomplish the same result in human
relations, if men would only get rid of the artificial man-imposed coer-
cive restrictions.

Education in accord with nature was thought to be the first step in
insuring this more social society. It was plainly seen that economic and
political limitations were ultimately dependent upon limitations of thought
and feeling. The first step in freeing men from external chains was to
emancipate them from the internal chains of false beliefs and ideals.
What was called social life, existing institutions, were too false and cor-
rupt to be entrusted with this work. How could it be expected to under-
take it when the undertaking meant its own destruction? “Nature” must
then be the power to which the enterprise was to be left. Even the
extreme sensationalistic theory of knowledge which was current derived
itself from this conception. To insist that mind is originally passive and
empty was one way of glorifying the possibilities of education. If the
mind was a wax tablet to be written upon by objects, there were no limits
to the possibility of education by means of the natural environment. And
since the natural world of objects is a scene of harmonious “truth,” this
education would infallibly produce minds filled with the truth.

5. Education as National and as Social.—As soon as the first enthusi-
asm for freedom waned, the weakness of the theory upon the con-
structive side became obvious. Merely to leave everything to nature was,
after all, but to negate the very idea of education; it was to trust to the
accidents of circumstance. Not only was some method required but also
some positive organ, some administrative agency for carrying on the
process of instruction. The “complete and harmonious development of
all powers,” having as its social counterpart an enlightened and pro-
gressive humanity, required definite organization for its realization. Pri-
vate individuals here and there could proclaim the gospel; they could not execute the work. A Pestalozzi could try experiments and exhort philanthropically inclined persons having wealth and power to follow his example. But even Pestalozzi saw that any effective pursuit of the new education ideal required the support of the state. The realization of the new education destined to produce a new society was, after all, dependent upon the activities of existing states. The movement for the democratic idea inevitably became a movement for publicly conducted and administered schools.

So far as Europe was concerned, the historic situation identified the movement for a state-supported education with the nationalistic movement in political life—a fact of incalculable significance for subsequent movements. Under the influence of German thought in particular, education became a civic function and the civic function was identified with the realization of the ideal of the national state. The "state" was substituted for humanity; cosmopolitanism gave way to nationalism. To form the citizen, not the "man," became the aim of education. The historic situation to which reference is made is the after-effects of the Napoleonic conquests, especially in Germany. The German states felt (and subsequent events demonstrate the correctness of the belief) that systematic attention to education was the best means of recovering and maintaining their political integrity and power. Externally they were weak and divided. Under the leadership of Prussian statesmen they made this condition a stimulus to the development of an extensive and thoroughly grounded system of public education.

This change in practice necessarily brought about a change in theory. The individualistic theory receded into the background. The state furnished not only the instrumentalities of public education but also its goal. When the actual practice was such that the school system, from the elementary grades through the university faculties, supplied the patriotic citizen and soldier and the future state official and administrator and furnished the means for military, industrial, and political defense and expansion, it was impossible for theory not to emphasize the aim of social efficiency. And with the immense importance attached to the nationalistic state, surrounded by other competing and more or less hostile states,

it was equally impossible to interpret social efficiency in terms of a vague cosmopolitan humanitarianism. Since the maintenance of a particular national sovereignty required subordination of individuals to the superior interests of the state both in military defense and in struggles for international supremacy in commerce, social efficiency was understood to imply a like subordination. The educational process was taken to be one of disciplinary training rather than of personal development. Since, however, the ideal of culture as complete development of personality persisted, educational philosophy attempted a reconciliation of the two ideas. The reconciliation took the form of the conception of the "organic" character of the state. The individual in his isolation is nothing; only in and through an absorption of the aims and meaning of organized institutions does he attain true personality. What appears to be his subordination to political authority and the demand for sacrifice of himself to the commands of his superiors is in reality but making his own the objective reason manifested in the state—the only way in which he can become truly rational. The notion of development which we have seen to be characteristic of institutional idealism (as in the Hegelian philosophy) was just such a deliberate effort to combine the two ideas of complete realization of personality and thoroughgoing "disciplinary" subordination to existing institutions.

The extent of the transformation of educational philosophy which occurred in Germany in the generation occupied by the struggle against Napoleon for national independence, may be gathered from Kant, who well expresses the earlier individual-cosmopolitan ideal. In his treatise on Pedagogics, consisting of lectures given in the later years of the eighteenth century, he defines education as the process by which man becomes man. Mankind begins its history submerged in nature—not as Man who is a creature of reason, while nature furnishes only instinct and appetite. Nature offers simply the germs which education is to develop and perfect. The peculiarity of truly human life is that man has to create himself by his own voluntary efforts; he has to make himself a truly moral, rational, and free being. This creative effort is carried on by the educational activities of slow generations. Its acceleration depends upon men consciously striving to educate their successors not for the existing state of affairs but so as to make possible a future better humanity. But there is the great difficulty. Each generation is inclined to educate its young so as to get along in the present world instead of with a view to the proper end of education: the promotion of the best possible realization of humanity as humanity. Parents educate their children so that they may get on; princes educate their subjects as instruments of their own purposes.

Who, then shall conduct education so that humanity may improve? We must depend upon the efforts of enlightened men in their private capac-

2. There is a much neglected strain in Rousseau tending intellectually in this direction. He opposed the existing state of affairs on the ground that it formed neither the citizen nor the man. Under existing conditions, he preferred to try for the latter rather than for the former. But there are many sayings of his which point to the formation of the citizen as ideally the higher, and which indicate that his own endeavor, as embodied in the Émile, was simply the best makeshift the corruption of the times permitted him to sketch.
ity. “All culture begins with private men and spreads outward from them. Simply through the efforts of persons of enlarged inclinations, who are capable of grasping the ideal of a future better condition, is the gradual approximation of human nature to its end possible. . . . Rulers are simply interested in such training as will make their subjects better tools for their own intentions.” Even the subsidy by rulers of privately conducted schools must be carefully safeguarded. For the rulers’ interest in the welfare of their own nation instead of in what is best for humanity, will make them, if they give money for the schools, wish to draw their plans. We have in this view an express statement of the points characteristic of the eighteenth-century individualistic cosmopolitanism. The full development of private personality is identified with the aims of humanity as a whole and with the idea of progress. In addition, we have an explicit fear of the hampering influence of a state-conducted and state-regulated education upon the attainment of these ideas. But in less than two decades after this time, Kant’s philosophic successors, Fichte and Hegel, elaborated the idea that the chief function of the state is educational; that in particular the regeneration of Germany is to be accomplished by an education carried on in the interests of the state, and that the private individual is of necessity an egotistic, irrational being, enslaved to his appetites and to circumstances unless he submits voluntarily to the educational discipline of state institutions and laws. In this spirit, Germany was the first country to undertake a public, universal, and compulsory system of education extending from the primary school through the university, and to submit to jealous state regulation and supervision all private educational enterprises.

Two results should stand out from this brief historical survey. The first is that such terms as the individual and the social conceptions of education are quite meaningless taken at large, or apart from their context. Plato had the ideal of an education which should equate individual realization and social coherency and stability. His situation forced his ideal into the notion of a society organized in stratified classes, losing the individual in the class. The eighteenth-century educational philosophy was highly individualistic in form, but this form was inspired by a noble and generous social ideal: that of a society organized to include humanity, and providing for the indefinite perfectibility of mankind. The idealistic philosophy of Germany in the early nineteenth century endeavored again to equate the ideals of a free and complete development of cultured personality with social discipline and political subordination. It made the national state an intermediary between the realization of private personality on one side and of humanity on the other. Consequently, it is equally possible to state its animating principle with equal truth either in the classic terms of “harmonious development of all the powers of personality” or in the more recent terminology of “social efficiency.” All this reinforces the statement which opens this chapter: The conception of education as a social process and function has no definite meaning until we define the kind of society we have in mind.

These considerations pave the way for our second conclusion. One of the fundamental problems of education in and for a democratic society is set by the conflict of a nationalistic and a wider social aim. The earlier cosmopolitan and “humanitarian” conception suffered both from vagueness and from lack of definite organs of execution and agencies of administration. In Europe, in the Continental states particularly, the new idea of the importance of education for human welfare and progress was captured by national interests and harnessed to do a work whose social aim was definitely narrow and exclusive. The social aim of education and its national aim were identified, and the result was a marked obscuring of the meaning of a social aim.

This confusion corresponds to the existing situation of human intercourse. On the one hand, science, commerce, and art transcend national boundaries. They are largely international in quality and method. They involve interdependencies and cooperation among the peoples inhabiting different countries. At the same time, the idea of national sovereignty has never been as accentuated in politics as it is at the present time. Each nation lives in a state of suppressed hostility and incipient war with its neighbors. Each is supposed to be the supreme judge of its own interests, and it is assumed as matter of course that each has interests which are exclusively its own. To question this is to question the very idea of national sovereignty which is assumed to be basic to political practice and political science. This contradiction (for it is nothing less) between the wider sphere of associated and mutually helpful social life and the narrower sphere of exclusive and hence potentially hostile pursuits and purposes, exacts of educational theory a clearer conception of the meaning of “social” as a function and test of education than has yet been attained.

Is it possible for an educational system to be conducted by a national state and yet the full social ends of the educative process not be restricted, constrained, and corrupted? Internally, the question has to face the tendencies, due to present economic conditions, which split society into classes some of which are made merely tools for the higher culture of others. Externally, the question is concerned with the reconciliation of national loyalty, of patriotism, with superior devotion to the things which unite men in common ends, irrespective of national political boundaries. Neither phase of the problem can be worked out by merely negative
means. It is not enough to see to it that education is not actively used as an instrument to make easier the exploitation of one class by another. School facilities must be secured of such amplitude and efficiency as will in fact and not simply in name discount the effects of economic inequalities, and secure to all the wards of the nation equality of equipment for their future careers. Accomplishment of this end demands not only adequate administrative provision of school facilities, and such supplementation of family resources as will enable youth to take advantage of them, but also such modification of traditional ideals of culture, traditional subjects of study and traditional methods of teaching and discipline as will retain all the youth under educational influences until they are equipped to be masters of their own economic and social careers. The ideal may seem remote of execution, but the democratic ideal of education is a farcical yet tragic delusion except as the ideal more and more dominates our public system of education.

The same principle has application on the side of considerations which concern the relations of one nation to another. It is not enough to teach the horrors of war and to avoid everything which would stimulate international jealousy and animosity. The emphasis must be put upon whatever binds people together in cooperative human pursuits and results, apart from geographical limitations. The secondary and provisional character of national sovereignty in respect to the fuller, freer, and more fruitful association and intercourse of all human beings with one another must be instilled as a working disposition of mind. If these applications seem to be remote from a consideration of the philosophy of education, the impression shows that the meaning of the idea of education previously developed has not been adequately grasped. This conclusion is bound up with the very idea of education as a freeing of individual capacity in a progressive growth directed to social aims. Otherwise a democratic criterion of education can only be inconsistently applied. . . .

The need for industrial education may be approached from many standpoints. Industrial education may be treated as an indispensable factor in material prosperity, or as a factor in promoting the ability of a nation in the competitive race for commercial supremacy among nations—a point of view from which the example of Germany is urged. Or it may be regarded from the standpoint of its effect upon the contentment of the workers, or as a means of providing a more stable and efficient set of employees, and reducing the waste now found in most manufacturing enterprises. All of these things have their importance. But they all look at education as an instrument for external ends, and they pass lightly over that part of the subject represented in our title by the words, "education in an industrial democracy." The standpoint from which we are to approach the matter is, in short, that of the demands laid upon education by the need of fostering democracy in a country largely industrial, and where the need is recognized of making the spirit of democracy permeate industry.

Hence, a few words about democracy itself seem to be called for. Democracy has its political aspect. Probably this is the first aspect to present itself to view. Politically, democracy means a form of government which does not esteem the well-being of one individual or class above that of another; a system of laws and administration which ranks the happiness and interests of all as upon the same plane, and before whose law and administration all individuals are alike, or equal. But experience has shown that such a state of affairs is not realizable save where all interests have an opportunity to be heard, to make themselves felt, to take a hand in shaping policies. Consequently, universal suffrage, direct participation in choice of rulers, is an essential part of political democracy.

But political democracy is not the whole of democracy. On the contrary, experience has proved that it cannot stand in isolation. It can be effectively maintained only where democracy is social—where, if you please, it is moral. A social democracy signifies, most obviously, a state of

[First published in Manual Training and Vocational Education 17 (1916); reprinted in The Middle Works, Vol. 10.]