

THE ALTERNATIVE TO SCHOOLING

ILLICH, Ivan

The Triple illegitimacy

For generations we have tried to make the world a better place by providing more and more schooling, but so far the endeavour has failed. What we have learned instead is

1. that forcing all children to climb an openended education ladder cannot enhance equality but must favor the individual who starts out earlier, healthier, or better prepared,
2. that enforced instruction deadens for most people the will for independent learning,
3. and that knowledge treated as a commodity, delivered in packages, and accepted as private property once it is acquired, must always be scarce.

Proposals for new educational institutions fall into three broad categories:

1. the reformation of the classroom within the school system;
2. the dispersal of free schools throughout society;
3. and the transformation of all society into one huge classroom.

But these three approaches - the reformed classroom, the free school, and the worldwide classroom - represent three stages in a proposed escalating production of education in which each step threatens more subtle and more pervasive social control than the one it replaces.

The futility of "universal" education

I believe that the disestablishment of the school has become inevitable and that this end of an illusion should fill us with hope. But I also believe that the end of the "age of schooling" could usher in the epoch of the global school-house that would be distinguishable only in name from a global madhouse or global prison in which education, correction, and adjustment become synonymous. I therefore believe that the breakdown of the school forces us to look beyond its imminent demise and to face fundamental alternatives in education. Either we can work for fearsome and potent new educational devices that fit all men into a world which progressively becomes more opaque and forbidding for man, or we can set the conditions for a new era in which technology would be used to make society more simple and transparent, so that all men can once again know the facts and use the tools that shape their lives. In short, we can disestablish schools or we can deschool culture.

The hidden curriculum of schooling

In order to see clearly the alternatives we face, we must first distinguish education from schooling, which means separating the humanistic intent of the teacher from the impact of the invariant structure of the school. This hidden structure constitutes a course of instruction that stays forever beyond the control of the teacher or of his school board. It conveys indelibly the message that

1. only through schooling can an individual prepare himself for adulthood in society,
2. that what is not taught in school is of little value, and that what is learned outside of school is not worth knowing.

I call it the hidden curriculum of schooling, because it constitutes the unalterable framework of the system, within which all changes in the curriculum are made.

The hidden curriculum is always the same regardless of school or place. It requires all children of a certain age to assemble in groups of about thirty, under the authority of a certified teacher, for some 500 to 1,000 or more hours each year. It doesn't matter whether the curriculum is designed to teach the principles of fascism, liberalism, Catholicism, or socialism; or whether the purpose of the school is to produce Soviet or United States citizens, mechanics, or doctors. It makes no difference whether the teacher is authoritarian or permissive, whether he imposes his own creed or teaches students to think for themselves. What is important is that students learn that education is valuable when it is acquired in the school through a graded process of consumption; that the degree of success the individual will enjoy in society depends on the amount of learning he consumes; and that learning about the world is more valuable than learning from the world.

It must be clearly understood that the hidden curriculum translates learning from an activity into a commodity - for which the school monopolizes the market. In all countries knowledge is regarded as the first necessity for survival, but also as a form of currency more liquid than rubes or dollars. We have become accustomed, through Karl Marx's writings, to speak about the alienation of the worker from his work in a class society. We must now recognize the estrangement of man from his learning when it becomes the product of a service profession and he becomes the consumer.

The more learning an individual consumes, the more "knowledge stock" he acquires. The hidden curriculum therefore defines a new class structure for society within which the large consumers of knowledge - those who have acquired large quantities of knowledge stock - enjoy special privileges, high income, and access to the more powerful tools of production. This kind of knowledge-capitalism has been accepted in all industrialized societies and establishes a rationale for the distribution of jobs and income. (This point is especially important in the light of the lack of correspondence between schooling and occupational competence established in studies such as Ivar Berg's Education and Jobs: The Great Training Robbery.)

1st futile proposal: alternative curricula

No matter how much each generation spent on its schools, it always turned out that the majority of people were unfit for enlightenment by this process and had to be discarded as unprepared for life in a man-made world.

Educational reformers who accept the idea that schools have failed fall into three groups. The most respectable promise better schools. The most seductive promise to make every kitchen into an alchemic lab. The most sinister want to transform the entire world into one huge temple of learning. Notable among the first group are those who believe that schools, if they could somehow be improved, could also become economically more feasible than those that are now in trouble, and simultaneously could sell a larger package of services. Those who are concerned primarily with the curriculum claim that it is outdated or irrelevant. So the curriculum is filled with new packaged courses on African Culture, North American Imperialism, Women's Lib, Pollution, or the Consumer Society. Passive learning is wrong - it is indeed - so we graciously allow students to decide what and how they want to be taught. Schools are prison houses. Therefore, principals are authorized to approve teach-outs, moving the school desks to a roped-off Harlem street. Sensitivity training becomes fashionable. So, we import group therapy into the classroom. School, which was supposed to teach everybody everything, now becomes all things to all children.

Other critics emphasize that schools make inefficient use of modern science. Some would administer drugs to make it easier for the instructor to change the child's behaviour. Others would transform school into a stadium for educational gaming. Still others would

electrify the classroom. If they are simplistic disciples of McLuhan, they replace blackboards and textbooks with multimedia happenings; if they follow Skinner, they claim to be able to modify behavior more efficiently than old-fashioned classroom practitioners can.

Most of these changes have, of course, some good effects. The experimental schools have fewer truants. Parents do have a greater feeling of participation in a decentralized district. Pupils, assigned by their teacher to an apprenticeship, do often turn out more competent than those who stay in the classroom. Some children do improve their knowledge of Spanish in the language lab because they prefer playing with knobs of a tape recorder to conversations with their Puerto Rican peers. Yet all these improvements operate within predictably narrow limits, since they leave the hidden curriculum of school intact.

Free schools, to be truly free, must meet two conditions: First they must be run in a way to prevent the reintroduction of the hidden curriculum of graded attendance and certified students studying at the feet of certified teachers. And, more importantly, they must provide a framework in which all participants - staff and pupils - can free themselves from the hidden foundations of a schooled society.

It is useful to distinguish between the hidden curriculum, which I have described, and the occult foundations of schooling. The hidden curriculum is a ritual that can be considered the official initiation into modern society, institutionally established through the school. It is the purpose of this ritual to hide from its participants the contradictions between the myth of an egalitarian society and the class-conscious reality it certifies. Once they are recognized as such, rituals lose their power, and this is what is now beginning to happen to schooling. But there are certain fundamental assumptions about growing up - the occult foundations - which now find their expression in the ceremonial of schooling, and which could easily be reinforced by what free schools do.

Among these assumptions is what Peter Schrag calls the "immigration syndrome," which impels us to treat all people as if they were newcomers who must go through a naturalization process. Only certified consumers of knowledge are admitted to citizenship.

The rhetoric of all schools states that they form a man for the future, but they do not release him for his task before he has developed a high level of tolerance to the ways of his elders: education for life rather than in everyday life. Few free schools can avoid doing precisely this. Nevertheless they are among the most important centers from which a new life-style radiates, not because of the effect their graduates will have but, rather, because elders who choose to bring up their children without the benefit of properly ordained teachers frequently belong to a radical minority and because their preoccupation with the rearing of their children sustains them in their new style.

3rd futile proposal: new technology

The most dangerous category of educational reformer is one who argues that knowledge can be produced and sold much more effectively on an open market than on one controlled by school. These people argue that most skills can be easily acquired from skill-models if the learner is truly interested in their acquisition; that individual entitlements can provide a more equal purchasing power for education. They demand a careful separation of the process by which knowledge is acquired from the process by which it is measured and certified. These seem to be obvious statements. But it would be a fallacy to believe that the establishment of a free market for knowledge would constitute a radical alternative in education.

Knowledge - capitalising

The establishment of a free market would indeed abolish what I have previously called the hidden curriculum of present schooling - its age-specific attendance at a graded curriculum. Equally, a free market

would at first give the appearance of counteracting what I have called the occult foundations of a schooled society: the "immigration syndrome," the institutional monopoly of teaching, and the ritual of linear initiation. But at the same time a free market in education could provide the alchemist with innumerable hidden hands to fit each man into the multiple, tight little niches a more complex technocracy can provide.

Many decades of reliance on schooling has turned knowledge into a commodity, a marketable staple of a special kind. Knowledge is now regarded simultaneously as a first necessity and also as society's most precious currency. (The transformation of knowledge into a commodity is reflected in a corresponding transformation of language. Words that formerly functioned as verbs are becoming nouns that designate possessions. Until recently dwelling and learning and even healing designated activities. They are now usually conceived as commodities or services to be delivered. We talk about the manufacture of housing or the delivery of medical care. Men are no longer regarded fit to house or heal themselves. In such a society people come to believe that professional services are more valuable than personal care.)

At present schools limit the teacher's competence to the classroom. They prevent him from claiming man's whole life as his domain. The demise of school will remove this restriction and give semblance of legitimacy to the life-long pedagogical invasion of everybody's privacy. It will open the way for a scramble for "knowledge" on a free market, which would lead us toward the paradox of a vulgar, albeit seemingly egalitarian, meritocracy. Unless the concept of knowledge is transformed, the disestablishment of school will lead to a wedding between a growing meritocratic system that separates learning from certification and a society committed to provide therapy for each man until he is ripe for the gilded age.

Present reform tends to tighten technocracy

For those who subscribe to the technocratic ethos, whatever is technically possible must be made available at least to a few whether they want it or not. Neither the privation nor the frustration of the majority counts. If cobalt treatment is possible, then the city of Tegucigalpa needs one apparatus in each of its two major hospitals, at a cost that would free an important part of the population of Honduras from parasites. If supersonic speeds are possible, then it must speed the travel of some. If the flight to Mars can be conceived, then a rationale must be found to make it appear a necessity. In the technocratic ethos poverty is modernized: Not only are old alternatives closed off by new monopolies, but the lack of necessities is also compounded by a growing spread between those services that are technologically feasible and those that are in fact available to the majority.

A teacher turns "educator" when he adopts this technocratic ethos. He then acts as if education were a technological enterprise designed to make man fit into whatever environment the "progress" of science creates. He seems blind to the evidence that constant obsolescence of all commodities comes at a high price: the mounting cost of training people to know about them. He seems to forget that the rising cost of tools is purchased at a high price in education: They decrease the labor intensity of the economy, make learning on the job impossible or, at best, a privilege for a few. All over the world the cost of educating men for society rises faster than the productivity of the entire economy, and fewer people have a sense of intelligent participation in the commonweal.

NOT NEW EDUCATION BUT A NEW SET OF P DESIGN-CRITERIA FOR TECHNOLOGY

Recover the power to learn

A revolution against those forms of privilege and power, which are based on claims to professional knowledge, must start with a transformation of consciousness about the nature of learning. This means, above all, a shift of responsibility for teaching and learning.

Knowledge can be defined as a commodity only as long as it is viewed as the result of institutional enterprise or as the fulfillment of institutional objectives. Only when a man recovers the sense of personal responsibility for what he learns and teaches can this spell be broken and the alienation of learning from living be overcome.

Educational institutions - if they are at all needed - ideally take the form of facility centers where one can get a roof of the right size over his head, access to a piano or a kiln, and to records, books, or slides. Schools, TV stations, theaters, and the like are designed primarily for use by professionals. Deschooling society means above all the denial of professional status for the second-oldest profession, namely teaching. The certification of teachers now constitutes an undue restriction of the right to free speech: the corporate structure and professional pretensions of journalism an undue restriction on the right to free press. Compulsory attendance rules interfere with free assembly. The deschooling of society is nothing less than a cultural mutation by which a people recovers the effective use of its Constitutional freedoms: learning and teaching by men who know that they are born free rather than treated to freedom. Most people learn most of the time when they do whatever they enjoy; most people are curious and want to give meaning to whatever they come in contact with; and most people are capable of personal intimate intercourse with others unless they are stupefied by inhuman work or turned off by schooling.

The fact that people in rich countries do not learn much on their own constitutes no proof to the contrary. Rather it is a consequence of life in an environment from which, paradoxically, they cannot learn much, precisely because it is so highly programed. They are constantly frustrated by the structure of contemporary society in which the facts on which decisions can be made have become elusive. They live in an environment in which tools that can be used for creative purposes have become luxuries, an environment in which channels of communication serve a few to talk to many.

A modern myth would make us believe that the sense of impotence with which most men live today is a consequence of technology that cannot but create huge systems. But it is not technology that makes systems huge, tools immensely powerful, channels of communication one-directional. Quite the contrary: Properly controlled, technology could provide each man with the ability to understand his environment better, to shape it powerfully with his own hands, and to permit him full intercommunication to a degree never before possible. Such an alternative use of technology constitutes the central alternative in education.

Access to things

If a person is to grow up he needs first of all, access to things, to places and to processes, to events and to records. He needs to see, to touch, to tinker with, to grasp whatever there is in a meaningful setting. This access is now largely denied. When knowledge became a commodity, it acquired the protections of private property, and thus a principle designed to guard personal intimacy became a rationale for declaring facts off limits for people without the proper credentials. In schools teachers keep knowledge to themselves unless it fits into the day's program. The media inform, but exclude those things they regard as unfit to print. Information is locked into special languages, and specialized teachers live off its retranslation. Patents are protected by corporations, secrets are guarded by bureaucracies, and the power to keep others out of private preserves - be they cockpits, law offices, junkyards, or clinics - is jealously guarded by professions, institutions, and nations. Neither the political nor the professional structure of our societies, East and West, could withstand the elimination of the power to keep entire classes of people from facts that could serve them. The access to facts that I advocate goes far beyond truth in labeling. Access must be built into reality, while all we ask from advertising is a guarantee that it does not mislead. Access to reality constitutes a fundamental alternative in education to a system that only purports to teach about it.

Access to facts

Abolishing the right to corporate secrecy - even when professional opinion holds that this secrecy serves the common good - is, as shall presently appear, a much more radical political goal than the traditional demand for public ownership or control of the tools of production. The socialization of tools without the effective socialization of know-how in their use tends to put the knowledge-capitalist into the position formerly held by the financier. The technocrat's only claim to power is the stock he holds in some class of scarce and secret knowledge, and the best means to protect its value is a large and capital-intensive organization that renders access to know-how formidable and forbidding.

Random access to skills

It does not take much time for the interested learner to acquire almost any skill that he wants to use. We tend to forget this in a society where professional teachers monopolize entrance into all fields, and thereby stamp teaching by uncertified individuals as quackery. There are few mechanical skills used in industry or research that are as demanding, complex, and dangerous as driving cars, a skill that most people quickly acquire from a peer. Not all people are suited for advanced logic, yet those who are make rapid progress if they are challenged to play mathematical games at an early age. One out of twenty kids in Cuernavaca can beat me at Wiff 'n' Proof after a couple of weeks' training. In four months all but a small percentage of motivated adults at our CIDOC center learn Spanish well enough to conduct academic business in the new language.

Skill-exchange

A first step toward opening up access to skills would be to provide various incentives for skilled individuals to share their knowledge. Inevitably, this would run counter to the interest of guilds and professions and unions. Yet, multiple apprenticeship is attractive: It provides everybody with an opportunity to learn something about almost anything. There is no reason why a person should not combine the ability to drive a car, repair telephones and toilets, act as a midwife, and function as an architectural draftsman. Special-interest groups and their disciplined consumers would, of course, claim that the public needs the protection of a professional guarantee. But this argument is now steadily being challenged by consumer protection associations. We have to take much more seriously the objection that economists raise to the radical socialization of skills: that "progress" will be impeded if knowledge - patents, skills, and all the rest - is democratized. Their argument can be faced only if we demonstrate to them the growth rate of futile diseconomies generated by any existing educational system.

Transparent technology

Access to people willing to share their skills is no guarantee of learning. Such access is restricted not only by the monopoly of educational programs over learning and of unions over licensing but also by a technology of scarcity. The skills that count today are know-how in the use of highly specialized tools that were designed to be scarce. These tools produce goods or render services that everybody wants but only a few can enjoy, and which only a limited number of people know how to use. Only a few privileged individuals out of the total number of people who have a given disease ever benefit from the results of sophisticated medical technology, and even fewer doctors develop the skill to use it.

The same results of medical research have, however, also been employed to create a basic medical tool kit that permits Army and Navy medics, with only a few months of training, to obtain results, under battlefield conditions, that would have been beyond the expectations of full-fledged doctors during World War II. On an even simpler level any peasant girl could learn how to diagnose and treat most infections if

medical scientists prepared dosages and instructions specifically for a given geographic area.

All these examples illustrate the fact that educational considerations alone suffice to demand a radical reduction of the professional structure that now impedes the mutual relationship between the scientist and the majority of people who want access to science. If this demand were heeded, all men could learn to use yesterday's tools, rendered more effective and durable by modern science, to create tomorrow's world.

Unfortunately, precisely the contrary trend prevails at present. I know a coastal area in South America where most people support themselves by fishing from small boats. The outboard motor is certainly the tool that has changed most dramatically the lives of these coastal fishermen. But in the area I have surveyed, half of all outboard motors that were purchased between 1945 and 1950 are still kept running by constant tinkering, while half the motors purchased in 1965 no longer run because they were not built to be repaired. Technological progress provides the majority of people with gadgets they cannot afford and deprives them of the simpler tools they need.

Metals, plastics, and ferro cement used in building have greatly improved since the 1940s and ought to provide more people the opportunity to create their own homes. But while in the United States in 1948, more than 30 per cent of all one-family homes were owner-built, by the end of the 1960s the percentage of those who acted as their own contractors had dropped to less than 20 per cent.

The lowering of the skill level through so-called economic development becomes even more visible in Latin America. Here most people still build their own homes from floor to roof. Often they use mud, in the form of adobe, and thatchwork of unsurpassed utility in the moist, hot, and windy climate. In other places they make their dwellings out of cardboard, oil-drums, and other industrial refuse. Instead of providing people with simple tools and highly standardized, durable, and easily repaired components, all governments have gone in for the mass production of low-cost buildings. It is clear that not one single country can afford to provide satisfactory modern dwelling units for the majority of its people. Yet, everywhere this policy makes it progressively more difficult for the majority to acquire the knowledge and skills they need to build better houses for themselves.

Technology designed for non-professional use

Educational considerations permit us to formulate a second fundamental characteristic that any post-industrial society must possess: a basic tool kit that by its very nature counteracts technocratic control. For educational reasons we must work toward a society in which scientific knowledge is incorporated in tools and components that can be used meaningfully in units small enough to be within the reach of all. Only such tools can socialize access to skills. Only such tools favor temporary associations among those who want to use them for a specific occasion. Only such tools allow specific goals to emerge in the process of their use, as any tinkerer knows. Only the combination of guaranteed access to facts and of limited power in most tools renders it possible to envisage a subsistence economy capable of incorporating the fruits of modern science.

The development of such a scientific subsistence economy is unquestionably to the advantage of the overwhelming majority of all people in poor countries. It is also the only alternative to progressive pollution, exploitation, and opaqueness in rich countries. But, as we have seen, the dethroning of the GNP cannot be achieved without simultaneously subverting GNE (Gross National Education - usually conceived as manpower capitalization). An egalitarian economy cannot exist in a society in which the right to produce is conferred by schools.

Modern subsistence economy

The feasibility of a modern subsistence economy does not depend on new scientific inventions. It depends primarily on the ability of a society to agree on fundamental, self-chosen anti-bureaucratic and anti-technocratic restraints.

These restraints can take many forms, but they will not work unless they touch the basic dimensions of life. (The decision of Congress against development of the supersonic transport plane is one of the most encouraging steps in the right direction.) The substance of these voluntary social restraints would be very simple matters that can be fully understood and judged by any prudent man. The issues at stake in the SST controversy provide a good example. All such restraints would be chosen to promote stable and equal enjoyment of scientific know-how. The French say that it takes a thousand years to educate a peasant to deal with a cow. It would not take two generations to help all people in Latin America or Africa to use and repair outboard motors, simple cars, pumps, medicine kits, and ferro cement machines if their design does not change every few years. And since a joyful life is one of constant meaningful intercourse with others in a meaningful environment, equal enjoyment does translate into equal education.

At present a consensus on austerity is difficult to imagine. The reason usually given for the impotence of the majority is stated in terms of political or economic class. What is not usually understood is that the new class structure of a schooled society is even more powerfully controlled by vested interests. No doubt an imperialist and capitalist organization of society provides the social structure within which a minority can have disproportionate influence over the effective opinion of the majority. But in a technocratic society the power of a minority of knowledge capitalists can prevent the formation of true public opinion through control of scientific know-how and the media of communication. Constitutional guarantees of free speech, free press, and free assembly were meant to ensure government by the people. Modern electronics, photo-offset presses, time-sharing computers, and telephones have in principle provided the hardware that could give an entirely new meaning to these freedoms. Unfortunately, these things are used in modern media to increase the power of knowledge-bankers to funnel their program-packages through international chains to more people, instead of being used to increase true networks that provide equal opportunity for encounter among the members of the majority.

Deschooling the culture and social structure requires the use of technology to make participatory politics possible. Only on the basis of a majority coalition can limits to secrecy and growing power be determined without dictatorship. We need a new environment in which growing up can be classless, or we will get a brave new world in which Big Brother educates us all.

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Ivan Illich founded the Center for Intercultural Documentation (CIDOC) in Cuernavaca, Mexico, an educational organization devoted to discussion of ways for improving the cultural and social environment of the Latin American People. His most recent book, Deschooling Society, is published by Harper & Row.

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