THE DEMONSTRATION PLAY SCHOOL OF 1913

BY

CLARK W. HETHERINGTON

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* A report to Professor Charles H. Rieber, Dean of the Summer Session of the University of California, on the Demonstration Play School conducted during the Summer Session of 1913. The part of the report explaining the theory of the play school and describing its activities is an amplification of the brief outline submitted to Dean Rieber in the winter of 1912. The first draft of this report was submitted to several educators for criticism, and the author is especially indebted to Dr. E. C. Elliott, of the University of Wisconsin, President E. C. Stanford, of Clark College, and Dr. C. E. Rugh, of the University of California, Professor M. V. O'Shea, University of Wisconsin.
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I

THEORY OF THE ORGANIZATION OF THE
PLAY SCHOOL

A. THE IDEA SUMMARIZED WITH COMMENTS

The play school is a school organization with its programme of activities and methods, based on the central idea of uniting the spontaneous play-life of the child, who needs and desires leadership, with society's demand that he be instructed. It is an effort to solve the problems of elementary education by harmonizing the child's extra-home educational experiences through combining, in one institution, the functions of the play-center and the functions of the school; hence the term "Play School."

Further, the plan correlates, through a simple administrable grouping of the child's natural activities, and through an expansion of the idea of leadership, many of the apparently divergent ideals and methods in modern education which began with Rousseau and, stimulated by recent profound social changes, have resulted in great educational restlessness and experimentation.

For the little children, the plan absorbs naturally what is sound in the results of educational experience since Froebel's time and extends the process to the tender years of infancy. For the larger children, it brings together in a practical school scheme, and extends down the scale of years, the valuable results and the ideals that initiated them in many recent educational efforts, namely, the "outdoor school," the vacation school, gardening, manual training, organized excursions, camps, activities of the Boy Scouts and Campfire Girls, "training for citizenship," intensive individual development, etc.

The plan correlates and gives a balanced relationship between physical education, moral education and cultural education. It lays the real foundation for vocational training and guidance. Above all, it establishes in school practice one of the more recent educational discoveries: the necessity of leadership in play from
infancy to maturity and the educational superiority of leadership in play to instruction in work. It bridges the gap between play and work.

Therefore the Play School may be defined as an outdoor school and play-center combined, where the teacher's interest is centered in the children and their activities, not merely in subjects of study, where the educational efforts, including the moral and social, are put on a basis of practical living experience radiating into the whole environment, and where children are considered both as free active agents and as immature social creatures requiring aid, social control and discipline. Instead of teaching subjects, it organizes activities out of which subjects develop, as they have in racial history. The activities organized are the natural, more or less distinct phases of the child's complete life. The usual school subjects develop as phases of these activities.

In spite of the inclusiveness of this ideal, the Play School plan as presented is not considered an invulnerable or perfected solution of the elementary school problem. No school scheme can be perfect so long as something is to be learned about child nature, or so long as society progresses, and no individual can present a perfect solution. That is a race problem. But the plan seems to meet in general the fundamental test of flexibility for progress with every advance in knowledge of child nature, education, or social need. Again, the plan is not presented in a spirit of antagonism toward the public school, but just the reverse. The widespread discontent with the public school is recognized and my idea of the cause of this discontent is expressed. The plan proposes a step in organization and method that will make modern ideals and tendencies consistent and efficient in educational results and that will command the sympathy and support of the more progressive and intelligent parents and teachers. This sympathy and support are essential if the public school is to fulfill its functions.

The Play School is not even presented as something entirely new. The scheme of organization and interpretation of activities are new, at least in form; and the extent of application of the idea of leadership and the degree of fusion of the functions of
the child's play-center and the school are new in emphasis. Yet the educational efficiency of the activities has been demonstrated in numerous schools, in modern playgrounds and in boys' and girls' organization. The whole idea has been approximated in many private efforts and in a few public schools. The convergence towards a fusion of the school and play-center is seen, on the one hand, in the tendency of the school to organize the play-life of the child, well illustrated at Gary, Indiana, and, on the other hand, in the tendency of the best year-round playgrounds to organize activities that are usually considered school functions.

My own ideas have been the product, first of reform-school work and then of intimate contact with the educational results of the lower schools through years of college teaching and experience in organizing play and recreation.

While the essential elements in the theory of the Play School, namely, the identification of play with spontaneous living, and education with the process of living—both controlled by social conditions and depending in results on leadership—are as sound for the organization of secondary and higher education and even the molding of adult sentiments and customs, as for the organization of the education of infants and children, yet this report is confined to the latter problem, because it is fundamental to the rest and because the problems of organizing activities and leadership are quite different after the capacity to work has been established.

B. DIVISIONS OF THE REPORT

An interpretation of the general theory of the Play School, a description and explanation of its activities are given in divisions C and D, and conclusions concerning the demonstration of the summer of 1913 are given in part two of this report.

1 I first formulated the Play School scheme as a school for subnormal children after two years' work in a juvenile reformatory and presented it in 1899 while a Fellow in Clark University to G. Stanley Hall. Dr. Hall urged at that time the organization of such a school in Boston, but it could not be financed. Later I used the term "Play School" in my university extension of physical education and play in Missouri, especially in the campaign for the organization of playgrounds under the school boards of rural towns with the hope of fusing the functions of the play-center with the school. I left the University of Missouri before any part of the larger idea was realized.
C. Influences Determining the Organization of the Elementary School

The school as a social institution and the school process, typified by the curriculum, require a perpetual reinterpretation and reorganization corresponding to advancing knowledge of child nature on the one hand, and the demands of social progress on the other. Since the play school is a reinterpretation, it must be treated from both these standpoints.

1. Child Life and the Educational Process

A larger interpretation of the child's nature, especially in his play-life, must be based on the fact that he is not merely a reflex mechanism responding to external stimuli, but a spontaneously active creature, driven by internal needs and hungers that are fundamental springs of conduct. Hungering for activity, experience and expression, he develops his organic, nervous, emotional and intellectual powers in the process of gaining adjustment.

Spontaneously curious about his own activities and those of nature, animals and man, he imitates them all until he masters their emotional and ideational content. He is spontaneously a manipulator of things, a juggler of impressions, and he constructs with things and ideas. He is spontaneously linguistic and "talks" until he can express what he observes, thinks and feels. He is spontaneously social and enters into social relationships and organizations. He is spontaneously suggestible and educable; he is a follower, an imitator, a hero-worshiper, craving leadership and instruction in ways of acting that will satisfy his hungers and give him adjustment.

This spontaneous expression of energy under the stimulus of hungers, controlled by instincts and modified by experience and social tradition and susceptible to leadership, is play. Play is not the popular "just play" nor the schoolman's "mere play." It is identical with the child's spontaneous living. Its relation to work will be considered later.

If time permitted, it would be possible to show that play began to evolve with the capacity to use experience and choose
ways of acting, i.e., with the beginning of the evolution of intellect. It is just as deep in meaning as either the intellect or the will. Its function is to develop the latent plastic powers of rational man and keep him flexible through adult life. Play is the central element in the scheme of human nature that makes volition possible.

Infancy, biologically speaking, is a period for parental care during which time systems of nervous connections, feelings and ideas are developed together through play in order that the nerve paths may be controlled in volitional or rational conduct. Without play man is inconceivable; play makes volition and rational living possible. There is no meaning to the phrase "mere play," for play is the most important activity in life.

Play is nature’s method of education. Why? Because education, in its broadest sense, is identical with the process of living. More specifically, it is learning how to live through experience. But experience comes only as the result of activity, and play is the fundamental form of all developmental activity. It is spontaneous living. Out of the various reactions upon the environment that we call experience comes the development of the instincts and emotions and the experience that makes for knowledge, character and adjustment.

Schools, books, libraries, laboratories and museums are only devices to give opportunities for activity. All these are worthless and the teacher is impotent without the activity of the individual to be educated. And play, as has been said, is the primary form of this activity.

So striking is the child’s expression of his energies, so broad his curiosity and so intense his delight in his activities, that the most conspicuous thing about him is his struggle to gain an education. And his struggle is rational. He is as much “interested” in activities that develop his organic, nervous and character powers as he is in getting information, and vice versa.

The child wants a real education; and he wants to get it in the only satisfactory way—just as the race got it, through experience. For years educators have been going to the child with

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2 These theoretical interpretations are drawn from a forthcoming volume on the Nature and Function of Play.
their "priceless products of racial experience," and the child has said (by his reactions): "Go to, I don't want your canned goods. I want the fresh, juicy fruit of experience gained through my own activities"—and he gets it, though frequently it is of indifferent quality and often positively bad.

In his play, which is his real life, the child educates himself, even without instruction or aid. The result, however, depends always upon the character of the activities, and this is determined partly by the individual child's temperament, partly by his opportunities and largely by the example and leadership supplied in his environment. Through these forces come development, and character and ideals are formed. It is the duty of education as a social effort to feed the spontaneous life-hungrers of the child with the wisdom of the race. Co-operation must be given that the play-life may be broad, rich and wholesome. Hence, individual leadership is essential.

Leadership means study, suggestion, direction. It may mean control in which discipline in work and duty have a place; it never means mere domination. This co-operation and leadership in the child's struggle for activity, experience and self-expression, the Play School proposes to give completely.

Relation of Play and Work—Education

Disagreement concerning these principles may arise through old misinterpretations and confused notions about the relation between play and work. The fact that the child must learn to work cannot be over-emphasized, for he has needs, supplied during the early years by the home, that later he must satisfy through work. Moreover, if he is to become an efficient social being, he must learn to perform duties that frequently are not pleasant and his adjustment will be flexible and complete in proportion as he masters the essential culture of the race. Born into a complex social order that is the product of long ages of social evolution, he must not only learn to work but acquire the capacity to work according to the conditions of modern society.

The ability to satisfy needs, to perform onerous duties and to acquire culture demands the capacity for long-sustained volitional effort under the control of an idea of need or duty. This
Hetherington.—The Play School of 1913.

is work in its developed form. This capacity to work is not achieved suddenly. It is an acquired trait. The infant has no capacity to work: the capacity is acquired, in the normally developed individual, during the period between birth and maturity. It appears in late infancy and we exploit it in school by the sixth year. It develops very gradually up to the age of seven, more rapidly from seven to twelve, and increasingly fast during adolescence.

The rise of the capacity for work is associated with and directly dependent upon a correlated and parallel development of (1) the power for volitional action in the plastic nervous system through the developmental stimulus of activity in play; (2) the development of the capacity for volitional attention through the exercise of reflex attention in the instinctively controlled activities of play; (3) the development of the capacity for sustained enthusiastic effort through the exercise of the emotion-suffused activities of play; and, finally, (4) the development of a moral sense of purpose or responsibility or ambition, which comes with a maturing of the social self.

The growth of all these nervous and mental powers that make work possible begins in the simple and instinctive activities of the infant which every one recognizes as play. The young child can be educated in no other way. But later the development may be continued either through play or work as above defined, and it is just here that the confusion arises concerning the relationships of play and work in education. To anticipate my conclusions, play, because of its emotional accompaniment, is a more efficient developer of all the fundamental powers used in work than work itself.

The child's activities develop progressively (1) in the muscular strength used, (2) in the variety, complexity, duration and co-ordination of movements, (3) in the number of instincts and

3 The roots of both play and work are present from the beginning. The struggle to satisfy physical needs or escape discomforts expressed by vocal, facial and general bodily movements may be called the roots of work. The struggle to satisfy sense, nervous and mental needs or the spontaneous actions and reactions of adjustment may be called the roots of play. It is in these latter activities primarily that all the higher powers for work and play are developed.
desires and the form and intensity of their expression, (4) in the breadth of the associative processes used, and (5) in the span of sustained effort in the accomplishing of a desired end.

Now, the activities exhibiting this progressive development may frequently be considered either play or work according to the point of view. From the standpoint of the child, there are only two classes of activity: internally impelled activity, or play, and externally impelled activity, or work. Any activity from the child's standpoint, no matter what the powers used, the energy expended, or the duration of the effort, is play if it is internally impelled and satisfies the developing life-hunger and instincts of the age period.

From the standpoint of the adult, or objectively considered, the activities of the child that are sustained and have a purpose or future aim are apt to be called work; but, obviously, this is an interpretation of child-life in adult terms. The adult, if he is an efficient social being, must work and he must recreate. No such situation exists normally in child-life. The child gains his economic adjustment through the home. His play is both recreation and work and it is neither recreation or work. Before maturity his play activities are differentiated into the capacity for work and the need for recreation. The child's play is not recreation as usually understood and we cannot insist on that too strenuously. Play is the child's chief business in life. In these internally impelled activities he lives and learns how to live. In them he should gain his primary development and life adjustment.

Play is as broad as the child's developing life. The activities frequently take forms that are not efficient from the adult or educational standpoint; but to identify the child's play with "fooling" or "futility" only, shows a twisted understanding of child nature that is a very subtle survival of medievalism in modern educational thought. This is exhibited in the shrinking from the idea of play as an educational force.

There need be no quibbling about the fact that a high capacity for work can be developed, has been developed generally in the past through work, though the efficiency of the majority of individuals developed by this method alone can be questioned. But
the essential point to be recognized is that, all through childhood, *play is superior to work as a developer of the nervous and mental powers used in work because of its emotional content.* Moreover, the degree of development of the power for work depends upon the breadth and richness of the play experience.

Play is more intense, varied and of greater duration because of the sustaining power of enthusiasm which postpones the onset of fatigue and reduces the consciousness of effort which characterizes the volitional attention of work.” Therefore, as power is a product of activity, play is a better developer of nervous energy and volitional attention than work. It is essentially the developer of enthusiasm, which is the very essence of play.

Enthusiasm is expectancy: the emotional side of the instinct of attention, long drawn-out or combined with the idea of an activity that will satisfy a hunger or developed desire. It is developed like any other capacity—through exercise in activities that feed the nervous and mental hungers and exercise the impulses characteristic of age periods. Enthusiasm is the spirit of healthy childhood. It carries the burden of sustained volitional effort until the capacity for sustained effort is established as a habit.

Play, therefore, is a better developer than work of the whole work mechanism. It develops organic vitality, nervous energy and skill, interests, volitional attention and enthusiasm together, as a unified and efficient working whole. Work is less effective because it disassociates the development of the capacity for enthusiasm from the development of the capacity for volitional effort and attention in realizing aims.

The capacity to work, therefore, as a part of the capacity to live, is best developed in the child’s natural life or play. It is developed only in a negative way when the child sits still and does things foreign to its nature in obedience to the commands of adults. Such lack of activity depresses vitality and inhibits the development of the nervous system, volitional enthusiasm, and experience. It is one of the several factors that have caused children to ‘‘forget how to play.’’

The capacity to work from its simplest to its highest form is acquired most efficiently by living out in activity, broadly and
intensely, the hungers and instincts characteristic of each age period; living them out in a social environment that supplies not only progressively greater opportunities for activity, experience and self-expression, but progressively greater opportunities for accomplishment under a leader who molds ideals, and under social contacts charged with emulation. By realizing a progressive series of aims in play, the child learns how to work and to achieve life through work. This is the law of child progress.

If the capacity to work does not come out of these inspirations to live and work, nothing this side of a new ancestry can give it, and the individual is a subject for an institution for the socially dependent.

The developing work mechanism will be used in fulfilling social duties and obligations, when the social spirit in the child's instinctive loyalty, co-operation, self-subordination and capacity for leadership is converted gradually into a consciousness of social relationships, interdependence and obligations. This can be accomplished through the socializing influence of a progressive social experience under a leader who has in the background of his consciousness a social aim.

Again, the work mechanism will be used in acquiring racial culture and a higher adjustment through the use of books when social experience and leadership bring a consciousness of their worth. This will come early in some, later in others, probably not at all in many, but until books are attached to the central and developing enthusiasms in life, as aids in living, they will not be used extensively by the masses.

Vocational training and guidance are but a phase of this work-play programme and not the first or most important one, since a vocation is but one form of adult adjustment, arising out of the child’s progressive adjustment. A vocation is an individual matter realized through living, and in this living the individual should develop an enthusiasm for life and work; should discover, under leadership, his individual capacities and attach the enthusiasm and the capacity to that specialized social thing, an occupation.

Better educational results in general and a broader and higher capacity to work are secured by organizing the child's
natural self-sustaining activities than by forcing upon him those foreign to his nature. To lay the foundation during childhood for efficient citizens and workers, the hunger for life, the power for sustained activity, the enthusiasm in doing and ideals in living must evolve together.

This natural method of developing workers will produce, has always produced, citizens to whom work is "play" because it carries the enthusiasm of play.

The difficulty in appreciating the law of learning how to work is the universal, thought-warping tendency of adults to interpret child-life in adult terms. The attitudes towards play and work need to be restated: (a) From an adult standpoint, play is a form of activity set over against the effort required by the driving necessities of adult needs; (b) from the child's standpoint, play is living; work is effort that has no connection with instinctive or emotional tendencies; (c) from an educational standpoint, play is a developer of all the fundamental powers of the plastic growing organism; work is an educational aim that is to be realized through living out interests characteristic of the several stages of child development until the work mechanism is established.

The law, then, of the relations of play and work in education may be stated as follows: Play, as internally impelled activity is practically the only method of education during infancy; is the most efficient method all through childhood; retains a conspicuous place during youth and even in adult life, as indicated by the modern attitude towards leisure time. Work, as externally impelled activity, has little place in the life of the infant, a subordinate though gradually developing place in the life of the child, but an increasingly important place during youth.

*Perfecting Nature through Leadership*

In many fields of human effort, notably in engineering and the production of domestic animals and plant forms, man has progressed by learning nature's laws and co-operating with nature or controlling and perfecting her processes. In education, man has neglected, even fought nature.
This is shown most conspicuously in the traditional attitude towards play and the neglect of its physical, intellectual and moral meaning. Considered without traditional bias, education holds no antagonism between play as the living out of hungers and instincts, and work as a developing capacity for efficient living in a highly complex, specialized civilization. Such antagonism is medieval and frequently carries with it a survival of asceticism. The traditional school evolved its organization for the convenience of the teacher in transmitting information to a physically passive child. Play frequently interfered with the teacher's programme, hence was interpreted as a product of the imps. Does not this attitude still survive?

Because play has been despised, the programmes for moral education are weak and bloodless. Morals and character in child-life come out of living under influences that mold associated ideals and instinctive ways of acting; not out of drill in abstract precepts or in thinking about conduct disassociated from real conduct, however valuable the latter may be when supplementary to the laboratory method, which is directed play. Ethical instruction, to be dynamic, must be built on a broad foundation of instincts trained in play, under a leader who has the ethical aims and who will fix the ethical ideal. This is a practical programme for the masses.

In the unnatural conflict between the mental and the physical, this bias in educational thought is even more apparent. The traditional school has dealt with one narrow phase of child nature. It still recognizes organic and nervous education with begrudging stinginess and is attempting to bolster the traditional programme with a "school hygiene" that, as a substitute, is utterly futile. This superficial and unscientific attitude is carried over from a phase of philosophical speculation that has no place in education. Physical education is discussed as though it were a subject of study in the curriculum, instead of one attitude in considering the whole educational process, of which it is the basic part. Physical education, as a special field of educational effort, arose because of the twist in educational thought created by the rise of asceticism. It persists because of a survival of asceticism. Because of this bias, the programmes for
physical education in most schools are pathetically superficial and the children show it. Vigorous, big muscle play is nature's method of physical education and bulks large in the efficient programme.

So obsessed is our consciousness with the idea that education is something which comes from books, and so dominant has been the intellectual or cultural idea, that the masses of children are prevented from getting an educational experience. We insist that they shall master the tools of learning before they get any experience and then that they shall take it second-hand. At one extreme there develops a group of individuals having the capacity to acquire large masses of book-learning with a small foundation in practical experience; and at the other, a group who may or may not have had real experience, but who have a contempt for books and no realization of their value as essential aids in living or as sources of inspiration for a higher adjustment.

Modern literature on teaching is strewn with the word "motivation." Every effort to find a "motive" for an activity or a subject of study is a search for its basis in a hunger or instinct which underlies the child's spontaneous life. This search represents generally the attitude of the adult, with an adult's interest, trying to find some way of attaching that interest to the child's native tendencies. It illustrates the breadth of the psychic gap between the teacher and the child and the dominance of the attitude of teaching, rather than leading.

Why not shift the problem from the organization of "subjects of study" that are selected products of racial achievement, to the organization of the child's own spontaneous active life; from the attitude of teaching primarily to that of leading (which includes teaching)? Why not abandon our indifference towards the child's play and recognize it as complete living, from his viewpoint, as well as the dominant source of all educational values? Why not put our aims and our specialized adult interests in the background of our consciousness and enter into the child's life from his point of view, meeting his hunger for life and his desire for leadership with the resources of the adult? In this way we can make his activities a source of inspiration to him and perfect their results from an educational standpoint.
Does not this attitude complete modern tendencies in educational thought? Will it not make public education efficient for the masses?

In this larger conception of education, leadership is the prime essential. Teaching is but a part of the leadership for which the child’s hunger is as conspicuous as his hunger for education. He craves life intensely, but his imagination outruns his skill and judgment. His resources are limited; his attention is fleeting; his enthusiasm breaks down. He must have leadership if his activities are to be satisfying or educationally efficient. Though he rebels at domination, he constantly appeals for help in finding something to do and in achieving his desires; and, when leadership is given and accepted, he will submit to endless direction, and, as age advances, to increasingly severe discipline. This is proven daily on the play field and in boys’ and girls’ clubs.

By entering into the child’s life, it is a simple matter to lead him so as to loop the cultural material of the race to his hungers and thus achieve results not possible under the subject-of-study teaching programme. That process is inverted. It must be recognized, however, that there are enormous variations in children’s capacities for progress in various activities and in their susceptibility to suggestion.

Here appears a danger. A vast difference exists between learning nature’s laws in the development of child-life and cooperating with her or perfecting her processes through the child’s susceptibility to leadership, and the skillful exploitation of that susceptibility to satisfy the vanity of parents or teachers whose minds are cataleptic under the obsession of some educational fetish. We are in some danger of entering into an age of child prodigies.

Objections are raised that education is inefficient because it is made too easy. Signs of a reaction have appeared. Now, whatever of justice there may be in criticisms of “teaching through play” no justice exists in criticisms of the leadership of play. This leadership has its biological roots in the evolution of the inter-relationships between parent and child, and play is not “easy” in the sense of being devoid of effort or hardship.
Both the intensity and the duration of extreme effort in many forms of play activities are so striking that few adult activities can be compared with them.

Play is interesting, but to interpret education as something uninteresting strikes the very nervous system of education with a palsy; and to say that because anything is interesting it is educationally undesirable is surely a survival of asceticism. We have failed in education because we have ignored play and divorced education from life.

The dominance in education of the play motive, or real living in obedience to real present needs during child-life, does not mean that there shall be no discipline. Living is discipline. The child, like his ancestors from the beginning, is driven by hungers and controlled by instincts that are non-specific. His conduct is largely the product of experimental experience, which frequently causes pain as well as pleasure. So was the conduct of his ancestors. As a result of racial experimentation, the child is born into a complex network of ways of acting, both good and bad. Lacking judgment and perspective, he is apt to imitate the bad examples in his social environment as well as the good, thus forming habits, ideals and character that are bad for him and for society. To mold the ideals developing in the child's experience is the function of the parent and society's representative of the parent, the leader or teacher. Discipline by adults, like leadership, has its roots in the biological relationships of parent and child.

Practically all the bad habits known to childhood and youth are the product of our neglect of this function of leadership. Vices develop in play. This is the negative argument for putting moral education on a laboratory basis of directed play. The danger here is that, with the prevalent notion about "teaching," the tendency will be to control the experimentations too strictly and to control ideals before there has been experience.

To summarize, it would seem, therefore, that education will be efficient when we bring the resources of adults to aid the child in his struggle for activity, experience and self-expression and when adult leaders meet the child's hunger for guidance with the spirit of a superior playfellow and with the discipline of leadership. This the Play School proposes to do.
2. Social Progress and the School Organization

While the Play School is primarily a product of child-study, it is also demanded by the new educational conditions attendant upon social progress. No phenomenon of our civilization is more striking than the rise of modern industrialism, no force more potent in its influence on the home and child-life.

In the past, the home was the center of life and experience. The majority of homes were not only the centers of family life, but they were industrial and social centers, furnishing large opportunity for the child to see and participate in all the essential human activities. The factory took from the home both the industrial occupation and the machinery of manufacture, with all their stimulus and opportunity for child activity. Hence, the function and the size of the home have contracted and with the contraction the function of the home as a social center has declined. Entertainments are sought outside in commercial amusement centers, with a further contraction of educational stimulus in the home. Moreover, the size of the family has decreased, leaving children not only without generous opportunities for activity, but without even the stimulus of an adequate character-building companionship. (In a word, modern industrialism has squeezed the educational juice out of the home.)

And, if we are to believe social workers, the squeezing process will continue. Criticism that places on parents the blame for their failure to supply educational needs which the home supplied a generation ago, misses the mark. Speaking broadly, parents are helpless. Even the most earnest frequently find themselves at their wits’ end in trying to meet the life needs of their children. The masses have neither training for the problem, educational resources in the home, nor the financial ability to meet the need at home or in private enterprises.

With the continued domination of industry over our social life, the home will probably be less and less able to fill the educational needs of the child and a greater gap between parental life and child life will develop. Adults must be specialists in order to be efficient and they must struggle for leisure in order to have any degree of completeness in life. Both these conditions and
the habits of adult life flowing out of them are foreign to child nature and life. So, if the influence of industrialism continues, the gap between the child and adult is bound to widen. Like all differentiations in the organic world, the greater the likeness the greater will be the interdependence. The child is dependent upon adult resources and organizing skill in order that he may have life; and the adult, who is to be the product of this child-life, is dependent upon the child’s living his complete life. The failure to supply that complete life gives us adults who are mere cogs in the wheel of a complex machine. This is the social educational situation even now.

Instead of the home and its immediate environment supplying practically all the opportunities for the child’s activities, experiences and expression, these functions are now divided among three institutions—the home, the school, and the play-center.

The home is still the center of domestic life, though even in the best homes it is greatly narrowed in its educational possibilities. Many homes are merely places in which to sleep and eat. Though they still have great educational influence, their educational resources are practically nil.

The school has absorbed an increasing amount of the child’s time, but it has not, except in a few cases and in a limited way, even attempted to supply what has been eliminated from child-life by modern social changes. As a prominent educator puts it: a generation ago, a boy had three months’ schooling and nine months in which to get an education; now he has nine months’ schooling and three months in which to gain an education. Actually, the situation is even worse; since during the three months he has few opportunities for activities that educate.

The public playground is coming to fill the need for educational activity and experience otherwise limited by a physical environment that is unnatural, and a social one that is complex and specialized. At present, most playgrounds are inefficient, because of public ignorance as to their functions and the prevalence of poorly trained directors.

The public playground is a child’s community social center and it should supply and does now supply, under expert play directors, not only the space, equipment and companionship
which are beyond the economic and social resources of the home, but the adult leadership that is essential.

Experience has shown that leadership is the first essential of a successful playground, for three groups of reasons:

1. The playground is a democratic institution open to all children; hence, unless directed, apt to be dominated by the bully or the tough gang. It concentrates the bad manners, antagonisms and vices of children; hence it is apt to be a breeding place for evil unless in charge of a director who is trained to convert these very tendencies into sources of moral discipline.

2. The playground brings together a large miscellaneous group of children of different ages, temperaments, social training, and habits of play. This makes the play organization complex and beyond the democratic organizing power or self-control of children. The play breaks down without the superior skill and control of the adult leader who may, by bridging the difficulties of organization, make the playground the most efficient agency in existence for training in democratic citizenship.

3. The playground is an institutional center for child-life; a substitute for certain educational functions of the home, which the home can no longer perform adequately. The supervision formerly supplied by the parents in activities in which they were experts can no longer be supplied in the new activities. Few parents can be experts in child nature or the technique of a vast variety of activities that satisfy the progressive educational needs of children. This function must be taken over in its large and difficult phases by the professionally trained leader. His influence should radiate from his center of business into the surrounding community, the home, and the school. Since the playground is a laboratory of conduct and its activities are the foundation for a modern democratic system of moral education, the director becomes the main influence for efficiency in this highest phase of education.

As the home approaches the apartment type and the family the one-child type, under the pressure of modern social conditions, the relative importance of the play-center and school increases.

In this social situation child welfare requires a new spirit and a new organization of the school and playground. Both
are extra-home institutional centers of child-life and both exhibit the inefficiency of an incomplete organization.

As the playground is a center of life and education organized from the child’s standpoint, and the school is a center of child experience and education organized from society’s standpoint, the two institutions should be combined to unite the two points of view, and unify the child’s educational experience. It is not sufficient that a playground space be added to the school or that a group of manual or other activities be added to the games of the playground. *The play center and the school center must become one in spirit, aim and organization.*

A triangular division of child-life under three classes of institutions and the dual organization of extra-home activities are inefficient, not only educationally, but administratively. Experience has shown that children in cities will not or cannot go more than one-quarter or one-half mile to a play-center. Therefore, the provision of adequate playgrounds within reach of every city child, and the organization of a staff of leaders, under some municipal administrative body apart from the Board of Education, puts a double burden upon the taxpayers.

So far as the small town and country are concerned, few would suggest, after the recent campaign for a wider use of the school plant, that a play-center should be located anywhere except at the school; still, where they have been so located, the functions of the play-center and the functions of the school have not been identified.

The public school is the institution concerned with the education of the child; it must provide all his extra-home educational activities if its functions are to be efficiently realized. As indicated before, this is a different problem from the recreation of the adult.

*New Educational Movements and the Play School Idea*

Social progress has changed not only the relationships between the home and the play center and the school, but it has brought a new social conscience concerning education. We are in a period of educational discontent, restlessness and experimentation—a part of the general social discontent. Every man
who thinks and who is sensitive to the spirit of the time reacts upon the educational situation and usually has some "new" idea or variation of the educational programme. Several new types of school and a generous number of new educational efforts, both without and within the public school system, have been organized and promoted sufficiently to attract public notice.

Of the new types of school one or two are significant. First, there is the vacation school, which is successful from the standpoint of child welfare and child interest. But it is simply a recognition of the fact that the child's education is going on three hundred and sixty-five days in the year and that the school must replace the home and community in supplying opportunity for experience.

Then there are the open-air schools, which have proved that our "model" ventilating schemes are delusions and that the most rational way to ventilate a school is to do away with most of the school walls. Now we are about to see the time-worn school idea run its vicious circle again. "Adequate provision" is to be made for children "needing" the fresh-air school. So (according to the programme) masses of children will be kept indoors to be devitalized and subjected to a string of diseases with their train of adult weaknesses, while the tubercular and the anaemic will have the privilege (until they get well) of the only type of school any child ought to have.

Ayers says that the open-air school will take its place in the history of education as marking one long step toward that school system of the future in which the child will not have to be either feeble-minded or delinquent or truant or tubercular in order to enjoy the best and fullest sorts of educational opportunity. Even in the colder sections of the country and during the severest winters, children can be made comfortable in the open air most of the day and for most of their activities. Until this common-sense standard is realized, school hygiene will progress with one leg paralyzed.

Significant for the future of the open-air school is the widespread rebellion among parents against putting their children in the public schools because they "will be shut indoors" or because they are "never well." Naturally, a large number of
private outdoor schools are catering to this sentiment. Closely
associated is the organization of country day schools, such as
exist in Buffalo and Minneapolis, indicating that well-to-do par-
ents are willing to pay high rates of tuition to have their boys
go to the country each day.

Several new movements are strikingly significant of the trend
in educational organization. Most of these are focused on the
adolescent, yet the principles involved and their solution extend
into the pre-adolescent period. Conspicuous among these move-
ments is that of the Boy Scouts, with its highly elaborated pro-
gramme of activities and honors for achievements. This organiz-
ation and that of the Campfire Girls are phases of the great
movement for directed play and leisure time. They have arisen
and attracted public attention because of the widespread feeling
that masses of children are growing up incapable, resourceless,
and irresponsible. Hence the new devotion to a programme for
achievement as a means of character development.

The Junior Republic, boys’ cities, civic activities and responsi-
bilities for boys, all indicate the rising social consciousness that
children have their own sense of values and responsibility. This
sense is just beginning to be organized for educational purposes.
Increasingly as the years progress, the imagination is stirred by
the relationship between approaching adulthood and the adult’s
activities. Since the results depend upon leadership, we have a
host of social problems rising out of our past neglect.

Some of the “new schools,” however, in which “real work”
is the central idea of the programme, have failed to achieve their
ideals because the programmes are based on ignorance of child
nature or on the old notions of play or “work” that is a mere
imitation of specialized adult occupations. Where these efforts
have succeeded, especially for the younger children, leaders have
organized “play” instead of “work,” without knowing it.

The gardening movement, geography excursions, and the shift
in nature study from that of plucked and dissected symbols to
a study of nature in action—changing, growing, eating, repro-
ducing, struggling nature with all its vital human relationships—
all these activities emphasize the fact that “learning” must be
a part of life and built on vitalizing, mind-filling experience.
The focal point of thought in these movements drifts toward the organization of the child's whole life-experience on a concrete laboratory basis. It involves a recognition of child capacities and needs previously furnished in natural contacts with a simple adult life now passed away.

Vocational training and guidance are receiving their emphasis. Adjustment for the masses is the aim, but vocational adjustment is only one phase of life—the adjustment of the adult. Vocational or recreational adjustment, social adjustment, citizenship adjustment and domestic adjustment are co-ordinate, and they all depend upon the developmental or educational adjustment during the years of growth. Obviously shallow is a vocational training and guidance that is not based on educational provisions that allow the child all his early years for enthusiastic living and achieving until the work mechanism is established and talents, interests, or capacities are developed; and until expert leaders who are guiding this living process may discover individual tendencies and adaptabilities. Furthermore, a vocational training that is not based on organic, nervous, intellectual and moral development and that is not co-ordinated with a social and recreational adjustment and a preparation for citizenship and domestic life adjustment, is bound to produce workers that are but inflexible cogs in the wheel of a gigantic machine which will inhibit both individual and social progress.

The new efforts for backward and exceptional children reveal the recognition of the fact that our wonderful school mechanism has failed in results for great masses of children. The consciousness is growing that the universal "child" when differentiated into individuals is as variable as the number of children and that each must be educated in a variable and adaptable programme. This is perfectly practical when activities rather than subjects of study are organized.

The campaign for school hygiene has become almost hysterical. Accumulating evidence has shown the physical, mental and moral effects of long hours, confinement and over-pressure in mental work. Nevertheless, there is a demand for a broader manual training, a larger nature-study, a fuller "physical education" and an efficient moral education—all interpreted as "subjects of
study' and added to the old subjects; together with new phases of the arts, sciences and literature pushed by a variety of individuals from the viewpoint of their own adult specialized interests.

Consequently, school hygiene will come out of the same door wherein it entered, so far as its larger functions are concerned, unless child-life is put squarely on its two hygienic legs in school organization: the one, an open-air life; and the other, a programme of activities instead of subjects of study.

Our educational fetish, the three R's, blocks the way. Certainly children must acquire the tools of a cultural adjustment; but is the learning to read and write and count at an early age more sacred than the health of our children and an enthusiasm in life that gives capacity to live and work efficiently? At present, the danger is that the fetish will be imposed at five or even four years of age and some few children are able to learn to read and write during these tender years, for the edification of ambitious teachers and vain parents. The point is not what some children can do, nor that they should not learn these essentials of a cultural adjustment during childhood. It is that to make reading and writing a requirement to which all other activities are subordinated, say up to the child's ninth year, is insupportable from a broad educational standpoint.

The time has come when men are beginning to realize that the stifling of the child's developing enthusiasms in life through a back-warping, chest-cramping, nerve-breaking, mind-deadening desk and schoolroom programme of "studies" is as cruel as the Spanish Inquisition.

The tendencies noted point to the solution. All the vital special desires in education can be met—the overcrowding eliminated, the programme increased to eight, ten, or twelve hours a day and through three hundred and sixty-five days in the year, the present injury to health replaced by a positive construction of vital and nervous powers of which health is an index, moral education placed squarely on a laboratory basis, with each child treated as an individual as well as a creature to be socialized, and the "learning" increased both in quantity and quality—by reinterpreting the school as an open-air, educationally fused play
and school center; and by shifting the emphasis in the school programme from subjects of study to the organization of activities which evolve with the aid of leadership into specialized, adult interests.

This solution, as indicated by the effect of recent social changes on educational practice, is also demanded by the social changes to come. Society has reached the age of Human Engineering, with child education as its foundation. The knowledge and skill are at hand. In the past, man’s human engineering efforts were confined to correction and cure; medicine was the dominant human engineering science. In recent years we have learned how to prevent many individual and social ills. The sciences of prevention are now dominant and “hygiene” is in the air. But a new thought is already here—constructive effort. Social correction and medicine are still advancing, prevention is commanding public opinion, but both are more or less futile without a foundation of constructive engineering. And education is the core of all constructive engineering which deals with the individual.

Education is now the dominant science, the source of appeal in all social effort, as well as in the efficient adjustment of the individual. Of the three forces determining what any individual shall be at maturity—heredity, activity, and environment—with the three corresponding sciences—eugenics, education, and social economy—activity alone is the source of power in the individual after birth. The environment sets conditions for activity, therefore influences result; but activity itself is the developer of all power, and education the science of constructive effort with the individual. Old, neglected, despised Education has become the new inspiration in Human Engineering.

Even the universities feel the new responsibility of education, and schools of education are arising, still dominated by the old narrow ideas of education as an intellectual process, but destined to fulfill their real function: producing engineers of child-life and child adjustment to meet the requirements of an advancing civilization. This is the hope for democracy and civilization.
3. The Play School a Reinterpreted School

The Play School is proposed as the next step in the evolution of the elementary school. (1) It is suggested as the extra-home institutional center of child-life in which the school and the playground are educationally fused and their aims identified; and where the child's whole daily active life, not supervised by the parents, shall be spent, through the entire year from early infancy until the capacity to work consciously for adjustment has been established. (2) It is proposed as a center in which children shall learn to live and to work with enthusiasm, by living completely in their activities which include the whole physical and social environment and are organized to satisfy fully the child's hungers for experience and self expression. (3) It is proposed as a center for complete leadership, where the interest is centered in the child, not in subjects of study.

The aims of the Play School may be summarized as follows:

1. To organize the opportunity for a complete play-life in order that the child may develop his powers, learn the meaning of his environment and discover himself.

2. To furnish leadership for the fundamental activities in order that organic, nervous and volitional powers for activity with enthusiasm and the capacity for work may be established.

3. To connect the play tendencies and interests with materials for activity that will feed and develop stable interests; and then connect these interests with the resources of society, especially literature.

4. To secure close observation, clear thinking, skilled execution and free linguistic expression in connection with all activities.

5. To mold the instinctive and emotional reactions in all activities in order that sound moral habits, moral judgment and social ideals may be established and come to control all developing powers for complete adult adjustment.

D. The Problem and Analysis of Activities

The proposal to organize activities instead of subjects of study shifts the practical problem in education to the study of activities and the educational leadership of these activities.
Educators have been devoted to the investigation of methods of teaching special subjects of study. They have spent relatively little time in studying the nature or the function of the child’s spontaneous life activities and the relation of these activities to his development—organic, nervous, intellectual and moral—or to his adjustment. *Leadership in the organization of activities requires a knowledge and skill that makes the organized activities as natural as the unorganized, but more certain of educational results.*

The child’s activities may be studied from many standpoints, of which the following are examples:

1. From the standpoint of the motor-mechanism used—
   The locomotor, or big-muscle mechanism,
   The manual, or small-muscle mechanism,
   The vocal and linguistic mechanism,
   The sense-attention mechanism, etc.

2. From the standpoint of the regulating process involved—
   The instinctive and emotional processes,
   The intellectual processes.

3. From the standpoint of the initial sources of the activities—
   (a) The hungers; organic hungers and needs for food, and the psycho-motor hungers for activity, experience, and expression, or
   (b) The stimuli of sense situations.

4. From the standpoint of the genesis of the form of activities with interests, motives, beliefs, habits—
   The hungers,
   The instincts,
   Experience as a result of reactions upon environmental situations,
   Imitation,
   Conscious judgment.

5. From the standpoint of the educational results or values of the activities—
   (a) For the development of the organism—
       Organic development with a system of habits,
       Nervous development with a system of habits,
       Instinctive and emotional development with a system of habits,
       Intellectual development with a system of habits and ideas, and
(b) For the adjustment of the organism to phases of racial activity and culture—
- Economic, or vocational adjustment,
- Recreative, or avocational adjustment,
- Fellowship adjustment,
- Citizenship adjustment,
- Domestic adjustment.

6. From the standpoint of a practical educational leadership of the activities for complete child living.

All these points of view are important in the investigation of activity and in the training of the leader or teacher, but for the practical problems of educational leadership the last point of view is essential and may include all others. It is distinctly the leader's or teacher's viewpoint. It demands a classification of the child's activities that gives the more or less distinct but natural phases of his complete active life; and that makes it possible to administer his complete living. This classification is essential further as a basis for the organization of a progressive educational "curriculum" of activities:

1st. That will use all the mechanisms and regulating processes.

2nd. That will feed all the hungers, provide for reactions upon the whole environment and give opportunity for full expression of all valuable budding interests.

3rd. That will hold true all through childhood, tending to evolve naturally into the racial forms of activity, and

4th. That will give all the educational values.

All those demands seem to be realized tentatively in the following classification: (a) Big-muscle activities; (b) manipulating and manual activities; (c) environmental and nature activity; (d) dramatic activities; (e) rhythmic and musical activities; (f) social activities; (g) vocal and linguistic activities; and (h) economic activities.

Description of the Activities

A description of each of these groups of activities will make its educational meaning and the whole classification clear. No
significance, except one of convenience in description, is attached to the order of the groups as given.

It will be observed that the activities in each group begin early and continue through childhood; that they arise out of some hunger, instinct or innate capacity in human nature; that these same traits have given rise to some phase of racial life or culture; and that each group has some special value in the development and adjustment of the child.

_The Big-Muscle activities_ are fundamental to all the activities. They arise out of the primary hungers for activity; begin in the random movements of the infant; develop through the various stages of locomotion and diverge during childhood under the influence of special instincts into such special forms as gymnastics, games, dancing and athletics.

1. _Gymnastic Plays_ arise from the self-testing impulse. They are personal motor achievement plays and express the enthusiasm for self-realization.

2. The _Dancing_ activities add pleasure in rhythm. They begin in spontaneous forms and take on traditional forms through imitation, developing the sense of rhythm as well as the capacity for artistic expression in body movements. They also have deep social meanings and influences, especially during the adolescent years.

3. _Games and Athletics_ arise from the hunting and self-protecting instincts and from the gregarious, egoistic and fighting instincts which find expression in rivalry, and which have been such powerful forces in the rise of civilization. These instincts develop progressively in games of fleeing, chasing, hiding, seeking, capturing and escaping, and later, team games of conquest.

These big-muscle activities are the developers of the organic powers and the fundamental nervous powers; i.e., they are the educational source of vigor, resistance to disease and general nervous vitality and skill. They lay the foundation in the adult for the capacity to labor. They establish wholesome forms of recreation. While regarded usually as mere muscular exercises or "pastimes," these activities, especially the games, _carry the discipline of the racially old instincts at the foundation of char-

acter, and are therefore primarily instinct educators and fundamental in their influence on character development. They carry the "social spirit" and discipline the social instincts, emotions, and enthusiasm. Hence in the education of children they must be given a large place and be guided carefully as the most important laboratory activities in the moral phase of education.

The Manipulating and Manual Activities arise out of the manipulating impulse which satisfies the hunger for activity and sense experience. Gradually, under the influence of the "constructive" impulse, imitation and self-expression, the various manual activities arise. These tendencies in human nature, coupled with needs for food, protection and expression, have developed the industrial enterprises and graphic arts of man. In the child they begin in general manipulation, expanding along the lines of construction with blocks and miscellaneous materials; modeling, scribbling, drawing, coloring; and then construction with tools in paper, wood, stone and iron, and in plastic materials, textiles, foods, etc. When the child expresses esthetic feelings and ideas in these activities the manual arts appear. This manipulating impulse, combined with the social, gives a large number of plays and games. Each of these tendencies is represented in the complex occupations, crafts, arts, modes of expression and recreations of the adult. They give the spontaneous beginnings of activities which, when developed, include a large part of applied science.

Under leadership the values of these activities in the development of nervous powers for manual skill, in the ability to think in mechanical terms and to design and execute, in the expression of esthetic ideas and the development of esthetic feelings and in the discipline of elemental traits of character, are well recognized. As Dewey showed, they may be organized to unite the individual's social feelings and thoughts with the industrial problems of the race. For the masses they underlie economic adjustment and industrial adaptability. They are important for the nervous, moral and esthetic stability of the non-industrial classes.

Leadership in these activities is needed from infancy to maturity, first for cultural education, then for vocational and recreative results. In this leadership, the ages between seven
and ten—the critical, yet most neglected years—when impulse and skill are furthest apart, need special attention.

*Environmental and Nature Activities* fall into two related classes: (1) excursions and (2) nature experimentations. The instincts that have led to the world's exploration and to the development of the natural and physical sciences are here expressed.

(1) The *excursions* arise from the exploring, foraging and migratory instincts and arouse great enthusiasm. They begin with the creeping of the infant and continue all through environmental activities of later years. These excursions give some of the organic and nervous values of big-muscle activities; they develop the self-preserving instincts and powers; they give the opportunities for observation, the collection of information, and the satisfaction of curiosity concerning nature and civics. Leadership easily perfects the educational values in the spontaneous tendencies to these activities, as indicated in the following suggestions which grade naturally by age periods.

For the little children, short trips give opportunities for broader "free play" activities in the environment, for a larger sense experience, for collections, for learning the names of natural objects, for simple observational games and for instruction concerning things which catch the attention.

For the larger children excursions cover the three ideas of adventure, nature observation and civic observation as follows: (a) half-day "hikes" or week-end camping trips, including outing or "scouting" arts; (b) trips to the fields, woods, and bodies of water, or to farms, or to plant or animal experimental stations with observations on the geographical features, on plants and animals and their breeding processes with collections, maps, etc.; (c) trips to industrial and commercial institutions, to historic places, to civic institutions and centers, to public-service centers, etc., each with investigations. From these natural activities the larger geography expands.

(2) The second half of the environmental and Nature activities, *nature experimentations*, arise from curiosity about nature and the experimental manipulation of natural forces. They fall into three groups:
(a) There is playing and experimenting with physical nature: namely, playing with water, air, heat, mechanical devices, sound, light and electricity. These activities begin in the same manipulating tendencies that are the foundation of the manual activities, but diverge under the control of different instincts. They grade naturally by age periods and through leadership develop problems in physics.

(b) There is playing and experimenting with animals; namely, playing with pets; feeding and caring for animals; training them, capturing, raising and taming wild animals; breeding animals, etc.

(c) There is playing and experimenting with plant nature; namely, planting, raising and caring for plants and flowers; experimental gardening to find out what nature will do and also for the economic value of the produce.

These two latter groups of nature activities with the field observation and collections give all the essential elements in the relations of plants and animals to the life of man, and give, through leadership, the natural basis and enthusiastic interest in the problem of nature study and "civic biology."

The content of these physical experimental plays will be better illustrated by the following outline:

Water—Playing with water, pouring, wading, splashing, watching objects in water, throwing objects into water, building dams and water wheels, watching the action of water on land, "erosion models," etc., which develop problems in fluids.

Air—Playing with air, sail-boats, kites, windmills, aeroplanes, which develop problems in air pressure, air currents, wind, temperature, humidity, rainfall, etc.

Heat—Watching fire, making fires, observing friction and heat, playing with toy steam engines, thermometers, which develop problems in heat, combustion, expansion and contraction and other effects of heat.

Mechanical Devices—Playing with hoops, tops, pulleys, wheels, toy machines, gyroscopes, pendulums, levers, watching thrown objects, balancing objects, etc., which develop problems in motor dynamics.

Sound—Vocalization, beating and drumming, blowing on toy instruments, "listening to shells," speaking-tubes and telephones, experimenting with conduction through air, water and timbers, with vibrating bodies, echoes, etc., which develop problems in vibration, noises, tones, music, etc.

Light—Playing with reflectors, mirrors, prisms, lenses, water refraction, glasses, telescopes, which develop problems in light, color, optics, time, etc.

Electricity—Experimenting and playing with magnets, batteries, induction coils, telephones, telegraph instruments, dynamos, electric motors, electric lights, etc., which present problems in electrodynamics.
The specialized sciences have no place in child life. These nature activities give what is natural to child life and interest, and lay the foundation for a more advanced study later.

Dramatic Activities arise out of the imitative and dramatic tendencies and the hungers to experience the form and content of conduct and express environmental situations. In the adult these tendencies and hungers have developed the dramatic arts. In the little child dramatization intensifies ideas and bears the same relationship to an appreciation of conduct that manipulation bears to knowledge of physical nature. The child interprets conduct through his own motor activities and later expresses an ideal. In all classes of children these activities grip the imagination. They correlate and give added zest to other phases of activity. Under leadership they plant rich associations that give immediate educational values and help develop the capacity for some of the higher recreative arts in the adult.

Leadership for the little children should supply opportunities for a broad range of imitative dramatization of single, social, and environmental situations. For the larger children, leadership should be given in the dramatization of social situations, in the construction of plots from stories and history, in the use and adaptation of plays and in the development of simple pageants. These latter forms of dramatization will lead towards the celebration of holidays.

Rhythmic and Musical Activities arise out of vocal and manual experimentations and the pleasures derived from rhythm, tone, and melody. These pleasures with their emotional relationships have created the musical arts of man. In the child, rhythmic and musical activities begin in crude vocalization, bodily movements, and drummings and develop through various stages of complexity. There are (1) bodily rhythms, as running, stamping, marching, skipping, etc., up to dancing; (2) vocal rhythms and tones, as counting, repeating sounds and tones, up to poetry and singing; (3) drummings and beatings with sticks, fingers or cans, picking sounds on strings and blowing sounds on bottles or shells, up to the use of drums, cymbals and string or wind instruments.
These are all music activities to the child, but the music of the race is highly evolved, and it has a complex written language. It is a simple matter to organize the musical activities characteristic of each age period, but the transition to the musical activities of the racial type or to an appreciation of these is achieved for the masses only through a broad association or skilled leadership. Individuals differ enormously in musical capacities. All children should have their musical impulses developed to the point of adjustment in the community social recreative life.

In the transition three methods of leadership or instruction are possible: (1) The natural musical activities of the child may be organized and led into the racial type; (2) the gap may be bridged through play methods of instruction; or (3) music may be interpreted as a formal subject of study that can be taught only by formal methods under the discipline of instruction. The last is the traditional method and essential for any advanced skill. The second method secures results especially with the little children. The first method is used frequently in boys' clubs and in the organization of children's orchestras.\(^5\) It has been highly refined on one side for training in rhythm by Dalcroze.\(^6\) This method has back of it the power of instinct, it opens the channels of natural development to leadership, it can be supplemented by all other methods as desired.

Social Activities arise out of the social instincts and hungers. These instincts have amalgamated all human instincts for the development of society. Their expression in the child gives social experience and they frequently take the form of experimentation with human nature.

The play school is a child's social center. In addition to the social life involved in each group of activities, there is a general social life and spirit. All the social relationships of the special activities are looped up in this larger social unity. It involves all human relationships in the school and it radiates into the social environment and the home. In these social activities are expressed all the impulses of developing human nature in social relationships. Social attitudes, habits of speech and manner of

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\(^5\) See Dykema, in Chubb, *Festivals and Plays in School and Elsewhere.*

\(^6\) Sadler, M. E., *The Eurhythmics of Dalcroze.*
address are developed which contain many inconsistencies and conflicts and which change in emphasis and importance by age periods, but fuse gradually into a system of ways of acting that determines the adult’s social adjustment. In addition, there are the developing ideas and habits in the relationship of boys and girls that differentiate during the adolescent years into sex habits and ideals and lay the foundation for adult domestic adjustment. Therefore in the general social life of the Play School and in the social life connected with each special group of activity conduct must be guided by each leader according to accepted social standards of individual and group fair-play, good humor, courtesy, justice and common sense, yet ideal social relationships. The foundation for social and citizenship adjustment, sex hygiene and domestic adjustment must be established in this leadership.

A special social hour should be organized to co-ordinate the social side of the activities and to give the opportunity for establishing democratic ideals. From this the leadership should extend to the spontaneous group organizations in and out of the Play School.

Vocal and Linguistic Activities arise from the vocalizing and communicative instincts. These instincts are the primary elements in the evolution of the languages and the literatures of the world. In the child, these activities begin in vocalization and develop through imitation and the need for communication into the vernacular.

Linguistic activities are associated with each group of activities. The child tends to vocalize his thoughts and feelings. He is the great questioner. Conversations arise. Thus he develops language as a tool and elaborates a system of ideas. Both these tendencies should be perfected through leadership. Language is the tool of knowledge and rational adjustment. Conversation consciously developed through sympathy or elicited and directed is the method that gives progress in language power, thought and systematic information, and carries with it the living motive.

In the activities interests develop that, under leadership, are expressed in narratives and discussions, and these are the opportunities for mind “fertilization,” as well as the elevation of experiences to the level of general ideas and conscious understand-
ings. These conversations are also distinctly language lessons and should be guided carefully as such.

With the development of the activities and interest under leadership, the need arises for a written language and it should be taught at this time. *When gained as a tool, it should be used, not in reading unrelated stuff, but in connection with the activities as a source of information, and as a real phase of living.*

For the little children, story-telling of a rational kind should have a prominent place and later this function should become supplementary in helping the individual select stories to read that are adapted to his needs. It has been demonstrated that leadership will bring children to the realization that there is a literature to cover each interest and satisfy each desire in life.

Number, for the child, is a linguistic activity. It should be developed in connection with his games and later manual and environmental activities.

The absorption of a foreign tongue, naturally by its use in play, is another phase of these linguistic activities, and when the environment makes it desirable can be easily brought about.

*Economic Activities* arise out of organic hungers, the acquisitive impulse and economic needs and desires. The child is dependent and gains his economic adjustment through the family, but the necessity of labor to produce wealth and of paying others for wealth desired is ever present, and frequently arouses economic activities which need guidance. So leadership should be given in earning money by service or effort that produces economic values. The organization of vacant-lot gardens and leadership in marketing produce is important. The opportunities for house and yard repairs at home and in the neighborhood need leadership. Taking contracts, with the figuring of materials, cost and profits, are frequently possible even among children. Banking, the use of the United States postal savings depositories, and personal bookkeeping are phases of these activities. The dramatization of store and house with buying and selling familiarizes the child with the social forms of exchange.
Summary

If the analysis of the several classes of activities as given is practically correct, then we have a natural grouping of child activities susceptible of practical organization and administration for efficient educational results when considered from any standpoint of educational theory or practice. Criticism and continued experience will doubtless dictate some changes, but the classification shows at least the possibility of organizing several groups of activities:

(1) That include all the spontaneous and traditional tendencies in child life;

(2) That express, in child form, the human tendencies that have created civilization;

(3) That retain in natural and related forms the germs and expanding lines of every subject of interest that has arisen with adult civilization;

(4) That give the opportunity for so directing the child's living forces that he will expand naturally according to his capacities into an inheritance of some part of the race achievements;

(5) That meet the demands of every aim of education whether of development or adjustment, and therefore that relate the claims of physical, moral, vocational and cultural education.

(6) That simplify the problem of co-operation between the play-school center and the home;

(7) That present the basis for a school programme which will not devitalize children who are subjected to three or four hours of it, and may be extended to the whole waking life for three hundred and sixty-five days in the year, making every child physically, intellectually, and morally stronger.
II

THE SUMMER DEMONSTRATION

The summer demonstration of the Play School was held in the eucalyptus grove west of the cinder track on the campus of the University of California. Opening June 23 and closing August 2, it lasted six weeks corresponding to the summer session of the University. The daily session was confined to the morning hours in order that the school might not conflict with the work of the model playground organized for all the children of Berkeley, as a practice center for students.

The fact that the Play School lasted but three hours a day for six weeks in contrast to the theoretical all-day, 365-days-in-the-year programme, and that some of the leaders could give only part time, put limitations on the demonstration that must be constantly kept in mind.

Nevertheless, a conservative judgment, based on the attitude and comments of children, parents, Play School leaders, educators and social workers, would pronounce it a success.

The plan adopted for the summer Play School emphasized those elements that are fundamentally important in the child’s education and susceptible of demonstration during a brief period, i.e., the effective organization and leadership of activities, perfect freedom yet perfect discipline, and the insinuation of a social spirit and ethical ideal into every activity.

The eucalyptus grove, converted from a university wood and trash pile into a place of beauty, had many advantageous points for a Play School. Contrasted with the ordinary schoolroom and yard, it was a source of inspiration to those interested in education and child welfare. The only inconvenience experienced from the elements was due to the influence of the wind in those activities requiring the handling of paper, but this could be easily remedied by a few adjustable canvas walls.

Because of uncertainty as to enrollment and conservatism in expenditures, the equipment in the several activities was re-
duced to the minimum, which fact caused many administrative complications. The cost was greatly reduced by the co-operation of the agricultural, manual arts and zoological departments.

Though the general equipment was very simple, the material environment can be made ideal for a Play School with little additional expense, and it will then serve as a model for the summer months in other communities. For the winter, additional protection from the rain and wind would be needed.

Applications for admission were so numerous that the enrollment had to be limited almost from the start and a long waiting list accumulated. The total enrollment was 207; the waiting list 99; the average daily attendance 147; maximum attendance on one day 207. Totals by groups were: Four- to five-year-old group, 56; seven to eight, 43; nine to ten, 45; over ten, girls 34, boys 29. The many applications for the admission of children above and below the age limits do not appear in these figures.

Though applications were made by parents for younger children, the enrollment was limited to those between the ages of four and twelve. However, three adolescent girls and two adolescent boys were enrolled because of their personal insistence and willingness "to do anything to get in."

Because of the necessity for accompanying their parents on vacation trips, some pupils dropped out and a few were substituted. This fact caused the daily attendance to fluctuate, though the pupils who remained in town were faithful. It was the unanimous feeling of the staff that the enrollment of another year should be confined to those who could attend regularly.

For convenience, the children enrolled were divided into four groups: those four and five years old; six and seven; eight and nine; and ten to thirteen. In the older groups, the boys and girls were separated. This classification worked very satisfactorily this year for the purposes of the demonstration, both from the standpoint of the children and that of the organization of activities. But, under all-year conditions, it would have to be more detailed and flexible.

Through the efforts of several University officials, a staff of leaders or teachers was organized, which was willing to meet the demands of a brief summer demonstration. Such a staff
was necessarily quite different from that required for the regular school, and included a supervisor, a group of expert leaders and assistants drawn from the summer session students. The supervisor was responsible for the classification of children, the organization and leadership of the activities, the physical and moral conditions and the social spirit of the whole school.

The activities of the children between four and six years of age were organized under one leader, with assistants. Children above six were organized departmentally under experts in the several activities. Though departmental organization for the younger children may be inadvisable under usual conditions, it seemed essential under summer conditions to give a clear demonstration.

It was planned to have a summer session student in charge of each group of children to look after their general welfare and assist the leaders, but only one full-time assistant could be secured, and she was placed in charge of the six- and seven-year-old group.

Departmental leaders were appointed for the various activities—the big-muscle, manual, environmental and nature, musical and linguistic (with which the dramatic were combined). The supervisor gave special attention to the social activities.

As two of the leaders could give only part time on account of lecture courses and as student assistants could be secured only for irregular hours, the number involved in the work was large and was no criterion of the staff necessary for a play school under normal all-year conditions. The large number of visitors also made necessary an assistant to the supervisor and a gate-

7 Those involved in the summer demonstration were as follows:
Beach, Dr. E. C., Director Department Physical Education and Play, Summer Session.
Hetherington, Clark W., Director of Play School.
Hetherington, Mrs. D. Alford, Supervisor of Play School.
Shafer, Miss J. F., Assistant to Supervisor.
Hunt, Miss, student, attendant at gate (part time).
Leader of four- and five-year-old group, Miss Rose Sheehan, supervisor kindergarten department, Sacramento; assisted by the Misses Mizpah Jackson and Helen Hoskins and Miss Vera F. Holland, who cared for the physical needs of the children, and part time by Miss Theresa Summerfield.
Student assistant in charge of the six- and seven-year-old group, Miss Anna Lang.
Leader of big-muscle activities, Mrs. Irma H. Hutchinson, supervisor of physical training, elementary schools, Los Angeles; assisted by Miss
keeper. This situation, however, did not affect the attitude or interest of the children.

The departmental leaders were secured from among public school teachers of subjects most closely related to our classified activities. None of them were trained to handle all the phases of the group activity for all the age periods. Some problems developed because of this fact. While there was a slight tendency for the spirit of the teacher to appear instead of that of the leader, this was to be expected, especially in a demonstration of such short duration. As the ideal of the Play School became clearer to the staff, its already earnest efforts were in most cases intensified by enthusiasm and self-sacrificing devotion; and it was to this fact that the success of the demonstration was largely due.

This enthusiasm may shed some light on the problem of securing Play School leaders. The question of securing instructors for a comparatively new field is always replete with difficulties, but teachers are alert, anxious to gain help on every hand and many are already using methods, wherever possible under their cramped conditions, which tend to relieve the worst features of our schoolroom work. They will rapidly accept every better way of doing things, when our practical school organizers give them an opportunity.

In spite of the brevity of the demonstration, the several groups of activities were organized and conducted through the session with the exceptions of the physical nature experiments, for which we had no equipment, and the economic activities.

Mable Ish and part time by the Misses P. Reed, Edna Farley and Lelia Grasseoek.

Leader of manual activities, Mr. Phillip S. Hasty, instructor of manual training, Oakland Intermediate School; assisted part time by Mr. Geo. H. Jenson and Miss Lulu West.

Leader of environmental and nature activities, John R. Imrie, principal of the LeConte School, Berkeley; assisted by Miss D. Fish (resigned) and then by Miss Jean Cunningham of Berkeley, and part time by Mr. J. E. Cuddeback and Mr. Wade Thomas. Mr. H. J. Snooks was appointed caretaker of the animals and equipment borrowed from the zoological department.

Leader of story-telling and dramatic activities, Miss Alice O. Hunt, teacher of grade schools, Alameda.

Leader of rythmic and musical activities, Miss Olive Wilson, teacher of music, San Francisco; assisted by Mrs. Ida E. Varney and Miss Harriet Thompson.
The dramatic activities were combined with story-telling and only partially developed.

Story-telling was emphasized, but, apart from the conversations connected with the several activities, no general attempt was made to organize the more specialized or developed linguistic activities or to attach interest to book sources except as this could be done incidentally. Such effort during the brief time at our disposal would have distracted attention from what we considered the fundamental part of the demonstration. Another summer it will be possible to organize the book resources connected with the activities.

The programme of three hours daily made it impossible to organize apart from the assembly period a special social hour. Particular attention, however, was given to the general social life of the children, with most satisfactory results.

We had no apparatus to develop the gymnastic plays, but the games and dancing demonstrated again the dominant value of big-muscle activities. Though our programme does not make it entirely clear, we wished to show that the big-muscle, the manual and the environmental and nature activities should, under leadership skilled in the conversational and social elements, occupy the greater part of the child’s time.

The excursions had to be confined to Saturday mornings, and the unusual hour caused some difficulty at first, but they grew in popularity. One over-night trip to Redwood Cañon, made possible by the summer school instructors in physical education, was a source of great satisfaction and pleasant associations to the older boys. A similar trip for the girls was prevented by rain.

A very earnest effort to demonstrate the development of musical power by play methods secured valuable results with the little children, but failed with the larger children.

The questions of choice of activity by the children and the time for the activities, two problems of broad educational significance, had to be settled more or less arbitrarily. The question of whether or not the children should be allowed to choose one or more activities from the classified list and neglect the rest, or should be organized according to the full programme, was settled in favor of the latter alternative for four reasons: First,
we wished to test the soundness of our classification. If sound, all children will enter all activities, but with wide individual variations. This is a problem to be met by leadership. Second, under present social conditions, the choice of children is untrustworthy until they are organized in activities in which latent hungers and instincts are expressed. Third, the form of the activity is controlled largely by imitation. Fourth, we have no data as to the distribution of time in the different classes of activities at the several age periods necessary to develop efficiency in adult life. For these reasons we organized practically all the children in all the classes of activities.

### Daily Schedule by Groups and Periods

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<tr>
<th>Hour</th>
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<td>9:00 to 10:00</td>
<td>Big-muscle activities</td>
<td>Linguistic activities</td>
<td>Rhythmic musical activities</td>
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<tr>
<td>10:00 to 11:00</td>
<td>Big-muscle activities</td>
<td>Linguistic activities</td>
<td>Big-muscle activities</td>
<td>Rhythmic musical activities</td>
</tr>
<tr>
<td>11:00 to 12:00</td>
<td>Big-muscle activities</td>
<td>Rhythmic musical activities</td>
<td>Manual activities</td>
<td>Manual activities</td>
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Opening Assembly Social Period: Music, Announcements, etc.

Saturday mornings: Excursions. Over-night excursions for older group

Instead of allowing each child to enter into an activity only when the impulse prompted, we had a definite time for each activity. Our reasons for this decision were: First, the former plan required the leader to be on hand at all times and some of
our leaders could give only part time; second, the first plan mixes the age groups and this complicates the problem of the leaders; third, in the spontaneous life of children, the impulse of the individual yields to the will of the group; fourth, it has been demonstrated on some of the best playgrounds that children prefer a schedule of activities: a definite time for an activity; fifth, the daily and mental physical rhythms, the fluctuations in susceptibilities to enthusiasms at different hours and the transitions of interests must still be worked out. Therefore, each activity was scheduled at a specific time, as shown in the foregoing schedule.

Results and Criticisms

Health. The health of the children was excellent. Even a casual observer could see the improvement during the six weeks. Although contagious diseases existed in the city, none were contracted in the Play School. Three children had to be sent home on account of pediculosis, but later returned in satisfactory condition. The physical freedom, the pure air, the opportunity for social contact (the three factors so lacking in the regular school-room and so vitally necessary to the development of efficient human beings) were most conspicuously present. At the close of the daily session, the children were as fresh physically and mentally as at the beginning.

The result with the children. The children were exceedingly happy, free, alert, and concentrated. A backward boy in the public school said: "I don't know why, but somehow I like to go to this here school." On the final day several children cried because school was closing and many more expressed earnest regrets. Discipline, as the word is ordinarily understood, was practically nil. A look or a word and, two or three times, a brief discussion was all that was necessary. A suggestion that a child was discourteous or should go home was considered the extreme punishment.

The children were free within the limits of staying with their groups. Naturally, there was noise. Habitually the little children passed from one activity to another on the run and with
a whoop. But there was law and order in it all, and frequently a quiet that was surprising.

Concentration was generally marked. The children were indifferent to outside attractions. One day when two hundred visitors were present “the absorption of the children in their work” was observed as a striking characteristic of the school. Where teaching developed in the activities, attention was as easily held as within four walls. The only place where “holding attention” appeared as a problem was in the more formal side of the musical activities, and even here it was in process of practical solution when the school closed.

The courtesy in the leadership soon developed the spirit of courtesy and co-operation among the children. An older “difficult boy” a “leader in trouble” soon found himself a leader in courtesy and co-operation.

Instead of the “teacher” driving the children, one might almost say that the children came to the point in several activities of driving the leaders through their eagerness. Frequently, though not generally, the attitude approached the ideal: one of eager and intense effort, with the idea of the leader as an aid in satisfying hungers and as a source of appeal in case of difficulty. The spirit and attitude of the children during the summer demonstration seems to indicate just what has been revealed many times before: that it is possible through leadership to have perfect freedom combined with perfect control. This is the ideal.

The attitude of the parents. Many parents visited the school. Some came with their children and spent the morning watching the children and leaders in their activities. Some brought their home habits and frequently “nagged” their children, but they saw quite a different method of dealing with children demonstrated.

This visiting by parents is suggestive in fulfilling the theory concerning the relationship between the home and the school. If the Play School is to become the community center of the child’s active life, it must also become a social center for parents where they may see their children in that life and learn how to co-operate in it. Several parents volunteered the information
that they would forego a vacation next year in order that their children might be in the play school.

**Attitude of visitors.** Generous, indeed, was the attitude of visitors. The staff assumed the policy that visitors had a right to see and learn to the limit of actual interference with the activities and if the visitors were met with courtesy they would respond in a like spirit.

Visitors were numerous, interest exceedingly keen, but harsh criticism entirely lacking. Criticism was expected, but less was received than might easily have been given by educators. The desire for information was evinced by the many questions. All through, the attitude seemed to be one of generous inquiry. The majority of inquiries covered the relation of the scheme to the public school system, the problem of cost, the place of the formal subjects of study in the programme of activities, and the source of "competent teachers."

Expressions of approbation were numerous. A Boston educational woman said: "I have seen many educational experiments in the United States, but this is the finest." Such phrases as "this is perfect" or "ideal," or "this seems like a dream," or "you are on the right track—keep up the good work," were frequent. One mother voiced a sentiment broadly held, "I should consider it a great privilege if I could keep my children in such a school all the year." More substantial was the declaration of a leading commissioner of recreation from Oakland, that another year the Play School administration might have two or three of Oakland's expert playground directors for their full time while paid by the commission, in order that they might catch the spirit of the Play School.

Following a paper on the Play School in the Pacific Coast Conference and a question by an auditor as to whether the Play School would be "absorbed" by the public school, Professor Rugh of the University of California declared that in his opinion the Play School would absorb the public school, as a part of the whole. An elderly teacher passed in this interesting statement headed "An Observer's Comments on the Play School": (1) This is the beginning of the end of war; (2) courtesy is wonderfully developed here; (3) democracy is the keynote of the play.
Recommendations

1. As the theory of the Play School covers the ages from early infancy to the time approximately of adolescence, arrangements should be made another year for handling younger and, if possible, older children. A nursery for infants between the ages of one and four years, having sleeping and feeding accommodations with a professional nurse and a special leader of infants in charge, should be established where mothers may bring and check or stay with their infants and where both mothers and teachers may see the physical care and educational leadership of infants demonstrated. To handle the older children, more comprehensive arrangements for manual activities, such as cooking and for the leadership of excursions, will have to be made, and the leaders must be appointed early that they may have sufficient time to prepare themselves for the work.

2. Opportunities should be afforded the summer session students having the required ability to gain experience and to secure credit either as group leaders or as assistants to the department leaders. This would also solve the problem of assistants.

3. Though not essential, it would be of great value to have some stationary gymnastic apparatus installed. Very few teachers or school authorities appreciate the function of apparatus in the spontaneous play-life of the child.
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