

## **Philosophy of Education**

BY

### THOMAS EDWARD SHIELDS, PH.D., LL.D.

#### LATE PROFESSOR OF PSYCHOLOGY AND EDUCATION IN THE

#### CATHOLIC UNIVERSITY OF AMERICA

1921

# THE CATHOLIC EDUCATION PRESS WASHINGTON, D. C.

----- [ = new page marker]

© 2024 Claude Pavur

This unique edition of public domain material.

Cover image: Gasson Hall at Boston College

\_\_\_\_\_

#### Note to the 2024 Ebook Edition

The new digital edition of Thomas Edward Shields's *Philosophy of Education* (copyrighted 1917, published 1921) is made available here intact, with these alterations and additions:

- (1) the footnotes have been presented in a single running numerical sequence instead of starting anew on each page;
- (2) a "live-link" table of contents has been added to the author's detailed table of contents;
- (3) although most punctuation and formatting are retained as in the original, certain italicizations and corrections of typographical errors have been introduced;
- (4) a newly-collected, separate bibliography of the main works cited by Shields has been appended;

(5) the page numbers of the original have been represented in the text within square brackets; this arrangement allows not only for references that respect the original pagination but also for the validity of the extensive original index (with well over 1000 headings and subheadings). Note that the bracketed page numbers always indicate the *beginning* of a new page, so that "[10]" means that page ten begins with the following text.

This impressive synthesis was worked out over many years by a tireless advocate for the improvement of Catholic education in the United States. The author's research, vision, and critical analyses will also be of considerable value to many other educators and historians of education. Those who are looking for an introduction and bibliography are referred especially to the concise and substantial essay by John L. Elias at the Biola University Database of Christian Educators of the 20<sup>th</sup> Century (<a href="https://www.biola.edu/talbot/ce20/database/thomas-edward-shields">https://www.biola.edu/talbot/ce20/database/thomas-edward-shields</a>) and to Leonardo Franchi's very helpful *Thomas Shields & the Renewal of Catholic Education* (Washington, DC: Catholic Education Press, 2023).

Thomas Edward Shields was quite aware that his efforts were part of a dynamic enterprise. He promoted the application of contemporary "scientific" insights to the methods and contents of education; the anchoring and unification of Catholic education in Christ and the Gospel; and the dedication of ample thought, time, and resources to the formation programs for teachers. Shields realized that his ideas would be controversial and that further advances in science and practice would continue to be made; but, as he states in his preface, "The important thing is to arouse interest and center attention on the chief problems that are calling for a fresh study and a new formulation in the light of the present social and economic changes and of the present trend of state education." We can still learn much from Shields's example and from his energetic—even obsessive—efforts to help create the kind of education that will best profit us personally and societally.

Claude Pavur, S.J. / Institute for Advanced Jesuit Studies / Boston College / November 7, 2023
----[...]

## PREFACE

[7]

The Philosophy of Education furnishes a common meeting ground for all who are interested in any phase of educational work. The correct solution of the problems which it discusses concerns the pastor and his people no less than it does the teacher and his pupils.

The Catholics of this country are justly proud of their schools. The magnitude attained by the Catholic school system, during the last few decades, in spite of the double taxation of our people which is involved, bears eloquent testimony to the faith, generosity and loyalty of our Catholic people. The excellence of the work accomplished by the schools for our Catholic children along intellectual, moral and religious lines is abundant compensation for all the sacrifices made.

The time is now at hand for earnest consideration of the great fundamental principles which make for the integration and standardization of our schools. They have all sprung from Catholic impulse and they all share in the common aim of the preservation of the Catholic faith of our children and the salvation of their souls. But there is urgent need of more uniformity in curricula and methods among the several hundred teaching communities which are at present conducting the schools. There is need also of clear vision to save our schools from being injuriously affected by the educational philosophy which is reducing itself to practice in our state schools and which is finding persuasive expression in educational manuals and in current literature.

Both in the problems selected for discussion in this book and in the method of their treatment, the needs of [8] the pastor and of our intelligent Catholic laity have been kept in mind as well as the needs of the teachers actually engaged in the work of our schools. It is a matter of grave importance that our Catholic laity should have a thorough understanding of the meaning of Catholic education, of the needs of our schools, and of the relationship which should exist between their work and that of the state schools. It is not to be expected, of course, that the reader will in every instance agree with the author in the solutions arrived at. The important thing is to arouse interest and center attention on the chief problems that are calling for a fresh study and a new formulation in the light of the present social and economic changes and of the present trend of state education. The pastor can accomplish much in the promotion of Catholic interest in educational matters by the discussion of many of these topics from the pulpit and the platform.

It is hoped that the book may serve as a convenient text for use in novitiate normal courses and as a means of stimulating the professional studies of the teachers who are in actual service.

The book is divided into three parts, in the first of which the nature of the educative process is examined from various points of view. In Chapter II, physical and social heredity are contrasted. The meaning of infancy, together with the possibility and the need of education, is studied. In Chapter III, attention is called to a fundamental change of far-reaching importance in the center of human interest, both in the world at large and in the educative process. In the following chapter, education is studied in one of its effects, namely, that of adjusting the individual to his environment. The fundamental and pernicious errors involved in the Culture [9] Epoch Theory are next pointed out. A study is then made of the childmind under the aspects of growth and development. In Chapter VIII, the various steps are pointed out through which man, from a recognition of the controlling power of law in physical phenomena, has come to recognize the fact that, in spite of intelligence and free will, mental life in its growth and development is subject to similar laws. This phase of the work closes with a discussion of the function of experience, which has recently come into the foreground in educational literature as the key to methods.

After this study of the nature of the educative process, attention is called in the second part of the book to the various ends towards which the process should be directed by educational agencies. An attempt is made, in the first place, to determine the ultimate aim of Christian education. Once the direction is fixed, attention is then called in succession to other aims in the general order of their importance. The third part of the book is devoted to a consideration of the chief educational agencies, such as the home, the church, the school, state school systems, and the Catholic school system. The concluding chapters are devoted to a brief consideration of the curriculum and of the selecting and training of teachers in the state systems and in the Catholic system.

In the study of educational agencies, the historical point of view is dominant. This is in accordance with the theory developed in Chapter III. The nature of these institutions cannot be rightly understood by a study of their present condition or through a study of a cross-section of any one period of the past. The relation of the school to the church, the home and the state is best seen in an historical survey of the relations which the institutions [10] bore to each other in different countries and of the effect produced.

No attempt has been made to cover the entire field of the philosophy of education. Such a procedure would either swell the volume unduly or reduce the treatment of each topic to a mere synopsis which would lack vitality and power. The present plan was adopted in the belief that more would be

accomplished by treating a few topics with sufficient fullness to awaken interest than by giving a mere outline of the whole field, however balanced might be its proportions.

Much of the matter contained in this volume has been used by the author in lectures given in various parts of the country at diocesan institutes and at the mother-houses of teaching communities of men and women between the years 1895 and 1910. Portions of it were also used as a text in courses given at the Sisters College and in the Department of Education at the Catholic University. Several chapters have appeared in their entirety in the *Catholic Educational Review* during 1916.

It is believed that sufficient reference to the bibliography is supplied in the footnotes in which acknowledgment to the sources drawn upon is made. A fuller bibliography may readily be obtained today in any educational library and need not, therefore, cumber our pages.

The author takes this occasion to make grateful acknowledgment to Dr. Pace for many valuable suggestions received in the preparation of several of the chapters of the book and to Dr. McCormick and Father McVay for suggestions and criticisms. Thanks are also due to Miss Frances Askew for assistance in preparing the manuscript and for reading the proof. T. E. S.

Feast of the Purification, 1917.

-----

#### **Detailed Table of Contents**

CHAPTER I: Introduction

The Philosophy of Education in the Curriculum 21
Pure and Applied Philosophy 24
The Eugenic Viewpoint 26
Physical and Social Heredity 27
Genetic Philosophy of Education 28
The Conversion Motive 28
Psychological Aspect of Religion 29
The Catholic Standpoint 31

#### PART I: THE NATURE OF THE EDUCATIVE PROCESS

CHAPTER II: Physical and Social Heredity

Human and Animal Instinct 35
Education and Social Heredity 37
The Five-fold Spiritual Inheritances 38
Individual and Social Welfare 39
From Didactic to Organic Methods 41
Social Heredity as Mental Food 41
The Church and Secular Education 42
Four-fold Source of Mental Food 43
Absence of God Causes Fragmented Curriculum 45

CHAPTER III: From the Static to the Dynamic.

Shifting the Center of Interest 48

Didactic and Organic Methods 48

Jack and the Bean-stalk as Parable 49

Meaning of the Doctrine of Evolution 50

Rise of the Doctrine of Evolution 52

New Interest in History 53

From Facts to Laws 53

Regeneration by Christianity 64

Conquest of Nature's Forces 56

Society Controls the School 57

**Educational Aims 58** 

CHAPTER IV: Education as Adjustment

Formal and Informal Education 61

Rigidity of Instinct 62

Plasticity 63

Three Ideals of Education 64

Meaning of Adjustment 66

Christianity and Progress 68

Development of Plasticity 70

Modification of Environment 72

Self-Conquest 73

Value of Individual Plasticity 74

Ideal of Chinese Education 75

Education and Plasticity 77

Habits and Instincts 78

CHAPTER V: Culture Epoch Theory

The Influence of Biology on Education 80

The Recapitulation Theory 81

Suppressed Function of Obsolete Structures 83

Recapitulation and the Culture Epoch Theory 86

History of the Culture Epoch Theory 87

Mistaken Applications 89

Industrial and Social History Series 91

The Eskimo Stories 96

Dangers of the Culture Epoch Theory 97

CHAPTER VI: Mental Growth

Meaning of the Terms, "Growth" and "Development" 99

Four Types of Growth 100

Growth Modified by Environment 104

Types Are Determined from Within 106

Memory Loads Injurious 108

The Catechetical Method 109

The Ratios of Growth 111

Growth of the Micrococci 113

Demands of Science on Education 115

Mental Assimilation 116

CHAPTER VII: Mental Development

Meaning of Development 117

Ontogeny and Phylogeny 120

The Dependence of the Embryo 122

Physical and Mental Development 122

Meaning of Infancy 128

Education and Mental Development 129

Growth and Development 130

CHAPTER VIII: Recognition of the Reign of Law

Early Tendencies towards Monotheism 132

Beginnings of Inductive Science 134

The Miracle and Natural Law 135

The Meaning of Creation 137

Breaks in Nature 141

Unity in Nature 144

Education and the Recognition of Mental Law 145

CHAPTER IX: The Function of Experience

The Postulates of Modern Education 146

Habit as Modification of Instinct 148

Necessity of Education 150

Differences between Man and Animal 151

Nature of Social Inheritance 152

Functions of Experience 153

Nature and Function of Inhibition 154

Education as Controlled Experience 156

#### PART II: EDUCATIONAL AIMS

CHAPTER X: The Ultimate Aim of Christian Education

Physical Heredity as the Aim of Education 161

Biological and Ethical Aims 163

The Ascendancy of Man's Spiritual Nature 165

Suppression of Obsolete Instincts 167

Necessity of Divine Authority 168, 174

Aim of Christian Education 169

The Natural and the Supernatural 172, 177

Intellect and Instinct 176

The Five-fold Dependence of Children on Parents 178

CHAPTER XI: Physical Education

Necessity of Physical Education 181

Authority Necessary for Physical Life 182, 185, 190

Treatment of Adolescents 184

Authority and the Formation of Habits 186

Home and Physical Education 187

School and Physical Education 188

Functions of Play 188

School Hygiene 191

CHAPTER XII: Balances in Development

Relation between Soul and Body 194

Physical and Mental Development 195, 199

Functions of the Brain 196

Precocity and Dullness 197

Dangers of Competition 199

Mental Development Should Precede Mental Growth 201

Necessity of Mental Scaffolding 205

Necessity for Adequate Preparation 206

Necessity of Symmetrical Development 210

Productive and Receptive Scholarship 211

CHAPTER XIII: Education for Economic Efficiency

Educating for Self-support 213

The Bread-and-Butter Aim 214

The Embryo and the Parasite 215

Value of Effort 217

The Industrial Aim 220

Society's Motive in Educating 220

Necessity of Cooperation 221

Authority and Industrial Efficiency 233

Compulsory Apprenticeship in England 224

The State and Industrial Education 224

The State and Economic Efficiency 225

Continuation Schools 226

U. S. Government and Industrial Education 227

CHAPTER XIV: Education for Social Efficiency

The Value of Effort 228

Laborare et Orare 229

Subordination of Lower to Higher Aims 229

Obedience to God the Foundation of Social Service 231

Love of God and Fellow-man the Aim of Education 232

The Industrial Home 234

Motivation of the Child 234

Educating for Leisure 238

Educating for Home-making 240

Cultural Education 241

CHAPTER XV: Education for Individual Culture

Claims of the Individual 242

**Educating for Complete Living 243** 

Function of Memory 243

Culture and Specialization 244, 247

Remedies for Materialism 245

Productive and Receptive Scholarship 247, 248

Cognitive Elements of Culture 249

Culture and Emotional Control 250

Conceit and Self-consciousness 251

Various Meanings of Culture 253

The Production of Culture 254

Culture and the Classics 256

CHAPTER XVI: Education for Citizenship

The Functions of the State 258

Democracy and Education 259

The Selection and Training of Leaders 262

Reasons for Universal Education 263

Industrial Efficiency and Civic Virtue 264

Faith, Hope and Love, Fundamental Civic Virtues 264

Cooperation and Competition 267, 269

Necessity of a Christian Home 268

Disinterestedness 270

Obedience 271

Self-control 272

Public School Morality 273

#### PART III: EDUCATIVE AGENCIES

CHAPTER XVII: The Home

Adjustment to Institutional Life 277

Position of Pagan and Christian Family 278

Position of Woman in Pagan and Christian Tunes 279

Educating for Family Life 280, 297

Parental Duties in Education of Children 282

The Industrial Home 283

The Home of the Future 284

Separation of Social and Economic Units 286

Educating for Home-making 287

Education of Women 289

Home Education 292

CHAPTER XVIII: The Church

Educational Charter of the Church 298

Plasticity of the Church 299

Foerster's Career 301

Trend Away from Materialism 302

Man's Spiritual Needs 303

The Church and Adult Guidance 304

The Church's Methods 305

The Church Reaches the Whole Man 306

Educative Principles in Liturgy 307

Feeling and Mental Assimilation 309

Sacraments as Means of Education 310

Rationalizing Feeling 314

The Laws of Imitation 315

Building Ideals 316

The Imitation of the Saints 317

Utilization of Instincts 319

Organic Teaching of the Church 320

CHAPTER XIX: The School

Relations between Home, School, Church and State 321

Origin of the School 322

College Hazing 323

Chinese Education 324

Hebrew Education 326

Religion and Progress 329

Spartan Education 329

Athenian Education 330

Roman Education 331

The School and Social Needs 333

Origin of Christian Schools 333

Catecumenal and Catechetical Schools 334

Secular Branches in Christian Schools 334

Christian and State Schools 335

Charlemagne and Education 336

Spread of Christian Education 336

Education Checked by Protestantism 338

Early Colonial Schools 338

State Control of Schools 340

Governor Seward's Message 341

Archbishop Hughes and the School Controversy 343

Development of Catholic School System 344

Religion Barred from State Schools 344

Catholic and State Schools Compared 346

CHAPTER XX: State School Systems

The Church and School Systems 348

Rise of the State System in Prussia 349

Frederick the Great and Education 350

Prussian System Undemocratic 352

Volksschule, Vorschule and Gymnasium 353

State Centralization in England and France 354

Rise of State Systems in New England 355

The State and General Diffusion of Knowledge 357

Difficulties of Creating State Systems in New England 359

The Professional Training of Teachers 360

Horace Mann and Henry Barnard 361

Rise of the High School 362

Socialistic Tendencies in State Education 363

Undermining Home and Church 366

Return to the Individualistic Aim 368

Rise of Vocational Schools 368

CHAPTER XXI: The Catholic School System

Plasticity of Catholic School Systems 371

Church Control of Education 372

The Vernacular in Catholic Schools 372

Brethren of the Common Life 373

Jesuit Schools 375

Christian Brothers and their Work 380

Spread of the Brother's Schools 383

Teaching Communities in U. S 383

Rise of Diocesan School Systems 385

Propaganda and Catholic Schools 387

Unification of Catholic Education 389

Functions of the Catholic University 391

The Catholic Educational Association 393

The Catholic Sisters College 393

The Affiliation of Catholic High Schools 394

The Catholic Educational Review 394

State and Catholic School Systems Compared 395

CHAPTER XXII: Curriculum

Changes in the Curriculum 397

Articulation of Schools 398

Curriculum of Early Massachusetts Schools 398

Art, Letters and Science among the Puritans 399

Purpose of the Curriculum 400

Curriculum of Medieval Schools 401

Religion in the Curriculum 402

Educational Value of Liturgy 403

Religion Excluded from State Schools 405

Secular Branches in Catholic Schools 405

Curriculum and Mental Development 406

Education as Experience 407

Influence of the Lives of the Saints 409

Foerster's View 409

Vital and Instrumental Knowledge 411

CHAPTER XXIII: The Teacher and His Training

Academic and Professional Training 413

Methods in Early New England Schools 414

Selection and Training of State School Teachers 415

Education an Economic Function 418

Feminization of State Schools 419

The Teacher and Civic Education 420

Vocations to Teaching Communities 422

Catholic Schools and the Betterment of Society 424

Influence of the Ascetic Ideal 426

Religious Novitiate and the Training of Teachers 430

#### **CHAPTER I: INTRODUCTION**

The Philosophy of Education is the basic element in the professional training of the teacher. In this science the teacher seeks for the meaning of the educative process as it takes place in the mind of the pupil and for the goal towards which it should be directed. He must turn to the same source for the fundamental principles which should guide in the selection and arrangement of the materials of the curriculum in the various stages of the educative process and for the educative values of the different disciplines to be employed. In these days of rapid and deep-seated social and economic changes, the work of the school is undergoing a corresponding change in character and in aim. This makes unusual demands on the philosophy of education and places added emphasis on its necessity in the training of the teacher, nor is the necessity for this science confined to the teacher. The layman, through his vote, exerts a controlling influence on the school and upon the relationship which should exist between it and other social institutions of such fundamental importance as the home, the church and the state.

The Philosophy of Education is closely related to the Psychology of Education and to the History of Education. Through the former, light is shed upon the conscious processes of the child and intelligence is gained concerning the educative process in its relationship to the unfolding powers and faculties of the individual. The philosophy of education carries these considerations up to a wider viewpoint and studies them in their relation to life as a whole and to the attainment of its aims. Through the latter, control is exerted upon the conclusions drawn both [22] in the psychology of education and in the philosophy of education, and further light is gained on the relations which should exist between the school and other social institutions.

The philosophy of education, the psychology of education and the history of education are linked together in their services to the teacher and interwoven with each other as the basis of his professional training. On this basis rest the other branches included in the curriculum of the normal school and the teachers college.

Philosophy, psychology and history belong to the academic rather than to the professional curriculum. They are pure sciences and, as such, are presupposed by the corresponding applied sciences, which latter belong to the professional curriculum. The aim in pure science is knowledge; the aim in applied science is action. In the former, the desire culminates in knowing; in the latter, it is not satisfied until the knowledge gained issues in action. Pure science leads to discovery, while applied science aims at invention. Applied science presupposes pure science and is limited by its development. Invention may lag behind discovery; it rarely, if ever, overtakes it, and, from the nature of the case, it never can transcend it.

Philosophy, more perhaps than any other discipline, deserves the name of pure science, since it deals with the highest aims and ultimate causes of all things. At first sight, it seems to be far removed from the strife and turmoil of actual life in this material world, and yet the practical conclusions reached in philosophy have a more far-reaching effect upon the conduct of life than do the findings of any other science. A man's philosophy, by imperceptible degrees, colors the whole of his life and affects his attitude towards all things in heaven and on [23] earth. In like manner, the prevalent philosophy of a people gradually transforms all their social institutions; nevertheless, the aim of philosophy, as such, is knowledge, not conduct. This, however, does not prevent the content of philosophy from exerting its practical influence. The conscious and deliberate aim in eating may be the gratification of the palate and the immediate satisfaction of appetite, but these aims do not, for all that, prevent the food from nourishing the body and from building up bone and muscle and nerve.

That portion of the field of pure philosophy which deals with the development of the mind, with the process and meaning of education, with the relations of the school to the church and the home, might

appropriately be called educational philosophy, but, in spite of the information which it supplies to the teaching profession, it is an academic and not a professional discipline.

The philosophy of education, as a branch of applied science, is not concerned directly with the establishment of fundamental principles in any department of philosophy. Its business is to apply the truths and principles established by pure philosophy to the practical conduct of the educative process. It seeks to lift into consciousness and to make rational and deliberate, as well as more immediate and effective, the relation between the philosophical truth and the life and conduct of the pupil, and endeavors to guide the teacher in the manifold relations which he sustains towards his pupils in the imparting of knowledge, in the building of habits, and in the gaining of power and insight into the purposes and meanings of life.

If philosophy were an exact science, such as mathematics, the task of the writer on the philosophy of education would be lighter but, as the case stands, we [24] find men, in every department of philosophy, differing profoundly in the conclusions which they draw. A prevalent school of philosophy in our own day confines the meaning of life to this world, rejecting the existence of God and the continuance of personal consciousness beyond the grave as myths which have no claim to human belief. In a word, to these men human life is nothing more than a high form of animal life, and the purpose of education is to render the individual more aggressive and more efficient in the struggle for existence, either alone or in groups. They reject wholly the existence of any supernatural power which could redeem fallen man and find the highest ideal of human life laid down in the physical heredity of the child.

Over against this school of philosophy should be placed the philosophy maintained by the Catholic Church, which aims at perfecting man in the present life as a means of fitting him for a life hereafter; which seeks to suppress aggressiveness and enthrone brotherly love as the controlling power in human affairs; which finds one of the chief functions of education to be the redemption of fallen man, the elimination of low instincts, and the substitution of supernatural virtues built up in the light of faith and with the assistance of Divine grace.

The philosophy of education tends to quicken and to deepen the flow of conviction into action, of doctrine into conduct, and it is achieving these ends in ever-increasing measure in our day. The current educational literature, monographs, text-books, and popular treatises are forming all our teachers and animating their work with the current philosophy, which is, for the most part, a philosophy wholly at variance with Catholic ideas and ideals of life.

If the pure philosophy drawn upon be wholesome, the [25] philosophy of education will tend to make the transformation of society through the school an uplifting process. But, on the other hand, if the philosophy used as the source be false and its ideals low, the philosophy of education will have equal effectiveness in debasing life and in corrupting social institutions. It is, therefore, a matter of the utmost importance to Catholics that the philosophy of education employed in the training of Catholic teachers be not only technically efficient, but that it be such as draws from the pure fountains of Catholic philosophy wholesome principles of life.

The philosophy that leaves no room for God, for a spiritual soul, nor for a life hereafter, fixes a totally different goal for the educative process from that aimed at by the Catholic who not only believes in the spiritual side of human nature, but holds among his most firm convictions the belief in a supernatural destiny and in a redemption wrought through the merits of Jesus Christ. The educator who holds that man does not transcend the realm of animal life, will naturally endeavor to endow each coming generation of children with those qualities which have marked the success of the animal in the long biological struggle for existence. He will seek the ideal of human life within the narrow lines of physical heredity and will turn exclusively to physical sources for the means of realizing that ideal. Nor must what is here said be regarded as an accusation brought against a prevalent school of thought by an unfriendly critic. This view is expressly set forth as the ideal of the Eugenic School by many of its votaries. We select, as a typical instance of such teaching, the following passage from an address

delivered before the Child Conference for Research and Welfare at Clark University in 1909, by Dr. John Franklin [26] Bobbitt, an alumnus of Clark University and a professor in the University of Chicago:<sup>1</sup>

"Since man became man, he has always looked forward to an ideal future state on earth, a Eutopia, a millennium, a City of the Sun, a Platonic Republic, where all men should be good and wise and strong. And yet, wherever man has builded a civilization in his striving to realize his ideal state, in Egypt, or Greece, or Carthage, or Rome, invariably he has met with defeat. Without exception, his state crumbles and falls. There has always been some invisible undermining influence, which he failed to see and to prevent.

"With the rise of the science of biology, we have discovered the secret of their decline, and have discovered the formula for counteracting it in our own case. The undermining influences were, at bottom, biological in their cause; and the formula for counteracting them in our case must likewise be biological. The formula is the simple one used by Luther Burbank in his superb creations; for all life grows on a single stem. As is the parentage so is the next generation. If the next generation is to be higher than this, its average parentage must be higher than our average. This law is fundamental, ineluctable, not to be vetoed or evaded. We may prefer to shut our eyes to the law because of its difficulty of application; we may prefer to trust to an assumed plasticity because it appears more docile to our wish; we may find it more comfortable to fall back upon the faith that good intentions cannot go wrong. These things are more pleasant, if pleasantness is our aim. But if improvement of the human stock is our aim, biological law must be followed regardless of personal wish."

[27]

The author of this passage leaves little room to doubt the nature of his philosophy or his views concerning human nature. His methods for improving the human race are explicitly stated to be the methods employed by the stock-breeder or the horticulturist. He explicitly denies a plasticity on the part of the individual which would permit of the effective operation of redeeming grace or the effective performance of a redeeming function by our educative agencies. The philosophy here stated, however, is extreme; it not only excludes the supernatural and the life beyond the grave, but it runs counter to sound biological doctrine as well. Dr. Bobbitt's concentrated attention on the processes of physical heredity seems to have blinded him to the fact that man's chief privilege lies in social heredity and that it is to this source he owes his place of supreme control and headship in the world of physical life. This phase of the subject is brought out more explicitly in the following passage in the same paper:

"At present our doctrines of heredity are not as they were. We are coming to see that heredity is dominant in the characters of men. Human plasticity is not so great as has been assumed. A child cannot be moulded to our will. The design laid in heredity is the only one that can be worked out in actuality. The actual is only a realized copy of the potential. It is true the potential is drawn in rather broad lines thus permitting the necessary degree of adaptation; to this extent the individual is plastic. But recent statistics of heredity show that the possible deviation is not great, except downward in the direction of breaking and marring."

Such a philosophy leaves no room for redeeming grace. [28] It denies to man the privilege of being "born again of water and the Holy Ghost," and seeks to develop him along merely animal lines. If this philosophy be followed out consistently, it must interpret the whole content of the child's social heredity in such a manner that it may fit into the narrow limits of animal nature.

A more systematic presentation of the philosophy which lends its support to the eugenic view will be found in *Genetic Philosophy of Education, an Epitome of the Published Writings of President G. Stanley Hall, of Clark University*, by G E. Partridge, Ph.D.

President Hall, in his preface, accepts it as a correct presentation of the views which he has expressed on so many occasions in public gatherings, in teachers' meetings, and in books and brochures, during the

last thirty years. It has a still Luther significance, coming from the President of Clark University and the recognized leader of this school of thinkers, which is widely represented in the teaching staffs of the training schools for teachers throughout the country. The following passage will serve to illustrate the manner in which this school of educators seek to dispense with all sources of uplift outside the narrow confines of man's animal nature:

"Conversion is not only the center of the religious and biological change at adolescence, but it is also the clue to understanding the psychology of the higher stages of the history of the race. The conversion motive has played a great part in history, and everywhere, where civilization has reached the higher levels, it is recognized. Among primitive peoples we find its beginnings in the form of initiatory rights which symbolize the entrance of the youth into manhood, and into the position of adult responsibility. This is the beginning of primitive education. It is a [29] conscious effort to establish, in the mind of the youth, the best traditions of the race to which he belongs. Much in our own religion is symbolic of conversion and the adolescent change. The conquest of the world, through grief and pain, by the life of Jesus, is its greatest expression. The cross symbolizes the adolescent struggle, in which the old life of self and sin comes into sharp conflict with the new and higher motives of love and service. Here the movement is more than individual; it is racial. Jesus initiated into the world, at a time when it had, degenerated as a result of individualism, a new religion, and a new culture, based upon love and self-surrender. He himself was an adolescent, and most of His disciples were youths. Every youth in becoming transformed into a normal adult thus passes through the stages through which Jesus led the world.

"The story of the Cross and of the life of Jesus is thus the great religious masterpiece of the race, most truly representing its higher life. In lesser form the theme appears in many literatures. Dante is the story of adolescence; the Holy Grail, the Golden Fleece, Prometheus, Beowulf, and Hiawatha all tell the same tale. It is the central theme of religion, in its highest form. Through all the lower stages of racial religion the child of this higher civilization passes, and the partial and false beliefs by way of which he reaches the truer and higher are necessary steps. When religion is true and deep, these beliefs are never merely cast aside or dropped, but the highest of all faiths retains the power of still carrying the germs of the old beliefs, and of sympathizing with all that it has once loved. Religion is, therefore, to be regarded as a product of inner growth, a natural result of the stages of feeling through which man passes [30] Religion has its sanction within us, and all religious ceremonies are valuable only as they introduce the individual to powers within himself that are unexpressed. The higher truths of religion are revelations to a single self from the racial or cosmic self within him.

"The religious life presents many other problems of psychology, and has both its normal and its abnormal phases. Among the questions which are largely psychological are: prayer, obedience, sacrifice, chastity, asceticism, renunciation, creeds, dogmas, doctrines, worship, sacraments, ritual, ceremonies, priests, saints, miracles, the Sabbath, symbols, vows, oaths, sects—all these and all similar problems are open for psychological investigation, and upon psychology rests the task of restating them, and of reinterpreting all the facts. All such questions are problems of the higher emotions, and they must be studied with reference to the stages of development of the feelings, both in the race, and in the individual. Psychology must reform the ancient dogmas by showing the validity of the feeling elements upon which they rest. By this means the essentially true in religion will be reinterpreted in scientific terms, and all its practical problems will be brought into relation with questions of education and other needs of the present day."<sup>3</sup>

This passage indicates sufficiently both the trend of educational psychology in this country and the need of a presentation of the subject from a Catholic standpoint, both as a protection to our teachers against the dangerous doctrines that are seeping into schools of all classes and as a statement of the Catholic position for the enlightenment of non-Catholic educators. The philosophy of life [31] presented by President Hall and his school stands in sharp contrast to that maintained by the Catholic Church. The one looks to man's animal nature for the highest ideal to be attained and for all the means to be

employed in the educative process for its attainment. The other finds in man a higher nature which transcends animal life and claims kinship with the Pure Spirit Who created the heavens and the earth. The one looks for its ideal in the physical inheritance of the child. The other seeks it in the revelation made by God to man and it seeks for the means of realizing this ideal in Divine grace, which flows not from human nature but directly from the Deity.

As the philosophies of these two schools stand in sharp contrast to each other, so must the ways and means dealt with in the corresponding philosophies of education differ. The content and organization of the curriculum differ, the interpretation of what is taught, the selection and training of teachers, no less than the methods to be employed by the teachers and to be embodied in text-books will differ in accordance with the differences in the underlying philosophies.

But in spite of the many differences discernible between the fundamental principles which these two schools seek to apply to the educative process, and in spite of the divergent means and ends which must forever separate a naturalistic or a materialistic philosophy from the philosophy of the Catholic Church, a substantial agreement exists between them on certain points of fundamental importance. Men who have learned to think in terms of biology, no matter how widely they may differ in their religious beliefs or in their fundamental philosophy of life, have learned to look upon education as a process by which society seeks to perpetuate its institutions and [32] its life and to adjust each generation of children to the environments into which they must enter at the close of the school period. It is true that, according to one system of philosophy, this adjustment is ultimate, while the other system of philosophy maintains that it is but a means to an end and that the ultimate end of all life and of all human striving is to be found in a future life. Nevertheless, these two schools maintain with equal force that it is the business of education to adjust the child to earthly environments, to the social institutions in which he must act his part. The child must be fitted for effective citizenship. He must be rendered worthy to take his place in the home. And to these two the Church would add the further demand that he be properly prepared for membership within her fold. It should be further noted that there is no conflict between these various adjustments, since the more perfectly the individual is adjusted to the life of the state and the life of the home the more worthy he will be of membership in the Church. The Church adds to what is demanded by the state and the home. And the Christian philosopher makes the further claim that through this very addition the preceding adjustments are rendered more secure and more perfect.

[...]

[433]

#### **INDEX**

Academic and professional subjects 22
Accretion, growth by 100
Acquired characteristics, transmission of 152
Activities, value of child's 189
Adjusting form to child's intelligence 204
Adjustment of internal to external relations 70, 72
education as 61
in education 66, 67
in New Testament 68
meaning of 66

to law 146 Adjustments, suppression of obsolete 165 Adolescence and authority 184 and the cross 29, 30 and religion 28, 29 Adult life, guidance of 304 Aesthetic elements of culture 250 inheritance 38 Aggregation, growth by 100 Aim of Christian education 161 Aims, educational 64 Aims of State and Catholic education 32 Alchemy and chemistry 134 Alcuin, educational work of 336 Alfred the Great and English education 336 Ancestral forms, suppression of 121 Ancestral functions, suppression of 83, 84 Animal and human instinct 161 Animal instincts 146 Animal instincts, limitation of 174 Animal instincts, rigidity of 62 Animals, training of 150 Animals, transmission of experience 151 Ants, instincts of 222 Apprentice, position of 236 Apprenticeship system 222 failure of 226 Arrested development 130 Art instruction 240 Art, nature, revelation, language as mental food supply 45, 46 Asceticism, value of 410, 426 Assimilation, mental 108, 116 and culture 248 and feeling 309 Astrology and astronomy 134 Astronomy and astrology 134 Atavism 81 Athenian education 330 Authority and God 186 and habits 185 divine in the Church 307 necessity of 182 to evidence 174 transfer of 80, 136 Baldwin, Mark, on organic and mental development 125 Balances between physical and mental development 197, 199 in development 194 Baptism, teaching force of 310 Barnard, Henry 343, 349 contributions to education 362 Basil, St. 335, Bean, development of the 49 Bean-stalk, parable of 49 Becoming, the process of 53 Benedict, St., teaching of 336 Benedictines and the dignity of labor 222

```
Biogenesis 140
Biological concept of education 39
         misconception 89
[434]
Biology and education 80, 162
Bobbitt, Dr 36
         and Eugenics 25, 26, 161
         and the aim of education 26
Brain and intelligence 196
         localization in the 195
Bread and butter aim in education 214, 219
Brethren of the Common Life 373
Brothers of the Christian Schools 375
Butler, Murray 38
Catechetical method 109
         schools 334
Catecumenal schools 334
Cathedral schools 335
Catholic and state education, aim of 32
         and public schools compared 346
         education, aim of 24
         educational association 393
Catholics and the public school 412
Catholic school, curricula of 7
Catholic schools and citizenship 396
         and public schools 387
         and secular branches 334
         and state schools 8
         and progress 424
         and social redemption 425
         diversity of 372
         growth of 387
         obligatory 388
         plasticity of 371
         professional teachers in 423
         standardization of 7, 392
         support of 7
         unification of 391
         uniformity in 7
Catholic School System 371
         and state school system 395
         development of 843
         integration of 7
         magnitude of 7
         unity of 395
Catholic Sisters College 393
Catholic Teachers' Institutes 393
         teachers, selection of 422
         University, and affiliation of high schools 394
         department of education 893
         first rector of 392
         foundation of 391
         scope of 391
         Summer School 394
Cats and red clover 268
Cave-dwellers, feast of the 92
```

```
Centralizing tendency in New England schools 362
Cerebral and mental development 196
        cortex and consciousness 196
        functions 196
Change, man's attitude towards 56
Changes of emphasis in curriculum 46, 47
Character and teaching efficiency 263
Characteristics, transmission of acquired 152
Charlemagne, educational work of 336
Chemistry and alchemy 134
Child and experience 151
        labor 223
Children dependent on parents 366
Child's tendencies, conquering of 190
Child welfare, a basic motive 288
Chinese education 75, 324
        and instinct 76
        rigidity of 147
Christian and pagan ideals 170
        and state schools 335
Brothers, distribution of 381
        government of 379
        numbers of 381
        organization of 377
        schools of 380
        training of 378
[435]
Christian character, foundation of 270
        education, aim of 46
        plasticity of 147
        ultimate aim of 161, 171
Christianity and the individual 242
Christian schools, origin of 333
        spread of 336
Christian socialists and education 259
Chrysostom, St John 335
Church, an educative agency 298
        and asceticism 403
        and education 348
        and educational aims 371
        and educational progress 296
        and Greco-Roman education 329
        and home education 296
        and international cooperation 269
        and Jewish education 329
        and secular teaching 402
        and school 371
        and the training of teachers 371
        and the vernacular Bible 3
        control of education 351, 372
        development in 68
        divine authority in the 307
        educational achievements of 68, 298
        hygienic teaching in 183
        infallibility of 303
        Macaulay on 300
```

organic teaching of 310 plasticity of 68, 299 Church's method of teaching 305 teaching and fundamentals 303 teaching of adults 304 Church, source of plasticity in 300 teaching charter of 298 transmits social inheritance 44 universality of teaching mission 299 Citizen and the law 271 six qualities of 264 Citizenship and self-control 272 and self-sacrifice 271 education for 64, 65 Civic virtue and efficiency 264 Civilization and plasticity 79 Classics and culture 256 value of 64 Clay modelling 240 Cognitive elements of culture 249 College, denominational, 64, 69, 75 Colonial schools 338 Community school systems 384 Competition, evils of 199, 269 Compulsory elementary education 351 Conceit and culture 251, 252 Conduct, norm of human 231 Confessional, educative value of 311 Confirmation, educative value of 312 Confucius 324 Conscious and unconscious vital phenomena 141 life, laws of 144 Consciousness and nerve tension 197 and the cerebral cortex 196 Continuation schools 220 Conversion and adolescence, 28, 29 in mental development 28 Cooperation, elements of progress in 270 necessity of 221 of home and school 186, 294 Copernicus and inductive science 184 Council of Baltimore and parochial schools 386 of Cincinnati 386 Creation and the child mind 206 doctrine of 142 Cross, story of the, in literature 28, 29 Cross, the, as the symbol of adolescence 29, 30 Culture, aesthetic elements of 250 and conceit 251, 252 and elementary education 256 and materialism 248 and mental assimilation 248 and specialization 244, 247 and the educative process 254 and the emotions 250

```
cognitive elements of 249
        education for 242
Cultured man, social attitude of 252
Culture Epoch Theory 77, 78, 80, 317
        and Christianity 169
        and recapitulation 86
        influence of 87, 88
        refutation of 164
Culture, how produced 255
        nature of 246
        various meanings of 253
        without the classics 256
Curriculum, and educative principles 402
        and mediaeval schools 401
        and mental development 411
        as mental food 406
        as vital germ 407
        change of emphasis in 46, 47
        changes in 397
        enriching the 400
        function of 244
        in early New England schools 398
        modification of principles in 411
        of Catholic and state schools 45
        of Roman school 333
        the 397
Cyclical change 50
Deer, evolution of 83
Defectives, care of 295
De Groote 373
Democracy and education, 330, 331
Denominational college, 64, 69, 75
Development and growth 130
        and mental growth 200, 201
        arrested 130
        arrested by growth 201
        balances in 194, 197, 199, 203
Development, cerebral and mental 196
        conception of 51
        embryonic and larval forms 120
        meaning of 99
        mental 117
        mental, and education 214
        mental and organic 122, 125, 127, 129
        organic 119
        organic and mental 192
        period of 208
        physical, an educational aim 181
        physical and mental 195
        physiological and morphological 128
        principles governing thought 134
        types of 118
Deventer 375
Didactic to organic methods 115
Diocesan school system 384
        organization of 389
```

Diocesan superintendents, training of 389 Diocesan system insufficient 390 necessity of 389 Discipline, formal 406 Discouragement, danger of 200 Disinterestedness, cultivation of 422 education for 270 in the teacher 422 Dogmatic basis, need of 303 Dominion and knowledge 138 obedience 138 Doctrines, transfer of 82 Dopp, Katharine 91 Dual school system 343 Dullness, cause of 197 Dynamic, from the static to 48 [437] Economic efficiency, education for 213 necessity for 216 Economic motive, elevation of 232, 234 edification, obligation of 317 Educating for motherhood 290 leaders 261 Education, a means of perpetuating social institutions 31, 32 and biology 80, 162 and Christian socialists 259 and experience 407 and freedom 124 and inhibition 155 and instinct 61, 75 and mental development 213 and physical heredity 161 and plasticity 78 and race solidarity 325 and Reformation 349 and social heredity 38 and state control 258 and the Christian ideal 180

bread-and-butter-aim in, 214, 219 by the monks 335

and the Church 348 as adjustment 61 biological concept of 39

centralization in England 354

centralization in France 354

centralized control of 369

Church control of 351

compulsory elementary, 53, 227

conflicting aims in 230

elementary, aim of 131

elementary and culture 258

evolutionary school in 365

familale League de la 294

for citizenship 64, 65, 258, 363, 421

for complete living 243

for culture 242

```
for disinterestedness 270
         for economic efficiency 213
         for home building 240
         for industrial efficiency 221
Education for leisure 228, 239
         formal 61
         for social efficiency 228
         for the good of the whole people 261
         for the state 364
         general and the state 263
         in a democracy 256
         individualistic aim in 368
         in the art of living 239
         need of 150
         of defectives 295
         of the classes 238
         of the whole man 306
         of women 336
         pagan trend in 171
         physical 161
         present trend in 285
         religious aim in 359
         secondary aims in 180
         social significance of 364
         state control of 349
         ultimate aim of Christian 161
         vocational 64, 210
Educational aims 64
         and Christianity 167
         and physical inheritance 165
         changes in 363
         determination of 168
         elimination of undesirable 167
         erroneous 162
         old and new 146
Educational philosophy, dangers of current 7
Educative principles in the liturgy 308
         process and culture 254
         and mental development 117
         culmination of 214
         factors in 59
         reign of law in 145
Efficiency and civic virtue 264
Elementary and secondary schools, articulation of 412
         education aim of 181
         and culture 258
         school and sensory training 237
Embryo and parasite 214
[438]
Embryology, teaching of 162
Embryonic development and larval forms 120
         structures 83
Emotion and culture 250
Emotions, cultivation of 309
England, centralization of education in 354
Environment, adjustment to 277
```

and growth 104, 105 and mental growth 105, 107 modification of, 66, 67, 72, 73 Eskimo Stories 96 Ethical and biological in man 163 rise of the 164 Eugenics, aim of 365 and educational aims 26 Bobbitton 161 Euken, Rudolph, views of 302 Evolution, history of the concept 52 value of the concept 51 Example, influence of 155 Experience and animal instinct 149 and inhibition 154 and instinct 149 and the child 151 as teacher 152 dangers of 154 function of 146 function of personal, 153, 154 transmission of, in animals 151 Experiences, selection of 156 Extreme Unction, educative value of 314 Faith, function of 264 Familiale, League de l'education 294 Family and character formation 281 in relation to church and state 280 life, preparation for 297 life, purity of 430 nature of 278 Father, the, and education 291 Feeling and mental assimilation 309 Feminization of schools 419 Fiske, John, on the necessity of education 181 Foerster 409 approach to the Church 801 teaching of 426 Food, mental 109 supply, four sources of mental 43, 46 Foreshortening of development, history of 85 of race history 121 Formal education 61 Fourier, St Peter 378 France, centralization of education in 354 Franciscan schools in the U.S. 338 Frederick the Great, and education 350 Freedom and education 125 knowledge 123 Free schools, establishment of 336, 337 Galileo 134 Generation, spontaneous 139 Genetic philosophy of education 28 psychology and the curriculum 401 psychology, teachings of 162

```
German education, influence of 368
Germinal thought 51
        truths 309
God and authority 186
        and nature 137
God, love of guiding principle 232
needed in the world 46
God's intellect and natural law 137
will and natural forces 137
Grade system 415
Growth and development 130
        and environment 104, 105
        an impediment to development 202
[439]
Growth arrested by development 201
        by accretion 100
        by aggregation 101
        by intussusception 101, 111
        four types of 100
        meaning of term 99
        mental 101
        ratios of 111, 114
        source of energy in 104
        types, likenesses and difference in 102, 103
Gymnasium, humanistic character of 353
Habit, a modification of instinct 148
        and instinct 78, 176
        and plasticity 78
Habits and authority 185
        hygienic, necessity of 183
        necessity of 148
Hall, G. Stanley 28, 39, 64
        and biological education 162
        on the Culture Epoch Theory 88
Hazing, college 322
Health, preservation of 181
Hebrew education 326
Hellenic education 329
Heredity, physical and social 27, 35, 37
        physical, downward tendency of 27
        physical, limits of 35
        social and educational 38
        social and individual experience 153
        social and physical 181
        social, necessity of 182
Heroic examples, value of 429
History, new interest in 53
        of education, need of 60
Hobbes on the function of the state 258
Holy Communion, educative value of 311
Holy Orders, educative value of 313
Home, a social and economic unit 283
Home and industrial efficiency 222
        and religion 323
        and school 348
        cooperation of 186, 294
```

```
building, education for 240
         church and school interdependence 367
         education, cause of failure in 296
         scope of 324
         hygienic teaching in 183
         life, weakening of 286
         making 294
         necessity of 288
         new, character of 284
         supplanted by state 366
         the, an educative agency 277
         the chief school 292
         the fundamental educative institution 281
         the primitive school 220
         to school, transition from 188
Homogenesis 140
Hope, function of 265
Hughes, Archbishop 342
Human and animal instinct 161
         instincts 146
         atrophied 151
         incomplete 62
         validity of 178
Husband and wife, equality of 280
         functions of 279, 290
Huxley, Thomas 49
         and human development 163
         on breaks in nature 142
Hygiene, authority in the teaching of 184
         in the Church 183
         home 183
         school 184
         school 191
Hygienic habits, necessity of 183
Ideal, Christian 169
Ideals and heredity 25
         and the Philosophy of Education 64
         pagan and Christian 170
[440]
Imitation and infancy 129
         conscious 318
         duty of 318
         educative function of 315
         law of direction 316
         law of intensity 316
         laws governing 315
Independence, acquisition of 175
         the attainment of 213
India, religion of 133
Individual and Christianity 242
         and group 221
         and the state 281
         claim vs social claim 39, 41
         experience and social heredity 153
         life, controlled by race experience 186
Industrial and Social History Series 91
```

and the Culture Epoch Theory 61 Industrial education and English Parliament 225 and national prosperity 225 in England 223 Industrial efficiency and the home 222 and the school 222 education for 221 Industrial home 235 as school 282 Industrial training, principles governing 224 Infancy and imitation 129 Infancy, meaning of 128 Initiation ceremonies, educative value of 222 Inheritance, physical and educational aims 165 social 147 Inhibition and education 155 and experience 154 Instinct and conduct 72 and education 61, 75 and habit 78, 176 freeing from 124 Instinct, human and animal 161 modified by experience 149 validity of 173 Instinctive dependence, the five-fold 178 Instincts and intelligence 172 the Lord's Prayer 179 human and animal 146 modifications of 61, 176 suppression of 316 transformation of 179 undeveloped 35 utilization of 319 Institutional inheritance 38 Intelligence and instincts 172 and revelation 171 Interest center of in education 48 effectiveness of 236 vs. voluntary attention 192 International Congress for family education 295 Intussusception, growth by, 101, 211 Jefferson on education 358 Jesuits' schools 375 Keane, Archbishop 392 Kepler 134 Kerschensteiner, on vocational schools 369 Knowledge and dominion 138 freedom 123 moral qualities 364 instrumental 412 Labor, dignity of, and Benedictines of 222 Labor-saving machinery, effect of 226 Labor, value of 228 Laboratory methods 244 Language, development of 53, 54 nature, art, religion, as mental food supply, 43, 46

```
[441]
Larval forms and embryonic development 120
        phases 86
La Salle, St. John Baptist de 376
Latin and Catholic schools 372
Law, intrinsic character of 134
        letter of the, discarded 208
        natural and supernatural 172
        obedience to 182
        of love 169
        reign of, man's recognition of the 132
Leaders, education of 261
League de l'education familiale 294
Leo XIII, and the Catholic University 391
        letter of 392
Literary inheritance 38
Literature in New England colonies 399
        new interest in 54
Liturgical teaching 307
Liturgy, educative principles in 308
Locke, on the function of the state 258
Lord's prayer and instincts 179
Love, function of brotherly 267
        law of 169
        of God, guiding principle 232
Macaulay and the Church 300
MacDonald, George, baby
        rhyme 205
Madison on education 359
Man and woman complements of each other, 284, 287
Man, ethical and biological 163
        spiritual nature of 229
Mann, Horace 339, 349
        Father of Public Schools 361
Marriage, a Sacrament 279
        indissolubility of 278
Massachusetts, early schools in 339
        state system of education in 359
Materialism and culture 248
        remedies for 246
        tendency towards 245
Maternal pedagogy, course in 294
Matrimony, educational value in 313
Memory, function of 243
        load, injury of 202
        loads 109
Mental and organic development 122, 125, 127, 129, 192
Mental and physical development 195
        assimilation 108, 116
        and culture 248
        continuity, preservation of 319
        development 117, 201
        and the educative process 117
        and the teacher 60
        food 109
        food supply, four sources of 43, 46
```

```
forces, teacher's control of 58
        growth 101
        and environment 105
        and mental development 200, 201
        ratios of 114
Mental parasitism in children 217
Mental scaffolding, necessity of 207
        symmetry, necessity of 211
Method, analytic 48
        didactic 48
        dynamic 51
Methods, organic 49
Micrococcus, rate of growth 112
Miracle, the 138
        play 404
Miracles and natural law 135
Mission, necessity of 168
Models for imitation 170
Monastic schools, aim of 236
Monism, inconsistency of 140
Monotheism, growth of 132
[442]
Montessori 190
Moral teaching, difficulty of 273
        introduction of 344
        scope of 272
Morphological and physiological development 128
Mother, increased influence of 286
Motherhood, degradation of 96
Motivation 238
Motives in teaching 421
Music, value of 241
Mystery, rational 136
        teaching of 305
National University, a 358
Natural and supernatural law 172
        law and miracle 135
        selection 105
Nature and God 137
        and the supernatural 177
        breaks in 142
        interest in the problems of 52
        opposing 187
        revelation, art, language as mental food supply 43, 46
        unity in 133, 144
        universality of laws of 145
Neurology and psychology 141
New England, elementary education in 355
        schools, centralizing tendency in 362
        early 355
Newton 134
Normal school, aim of 157
        the first in New England 360
        training, progress in 419
Obedience and dominion 138
        spirit of 271
```

```
to law 182
Oberschulcollegium 352
Obsolete adjustments, suppression of 165
O'Connell Bishop 398
Ontogeny 120
Organic and didactic methods 115
         mental development 122, 125, 127 129 192
         development 119
         teaching of the Church 310
Pagan and Christian ideals 170
         trend in education 171
Parable, functions of 173
         of the sanctions 233
         structure of 209
Parasite and embryo 214
Parasitic habits, formation of 218
Parasitism, mental 217
         of locomotion 216
         of nutrition 216
         of protection 216
Parent, functioning for offspring 122
Parental support, necessity of 286
Parents as teachers 282, 293
         authority of 281
Parents' duty towards children 280
Parochial schools and the Council of Baltimore 386
         early 335
Partridge, G E 28, 64
Pasteur, Louis 139
Patria Potestas 332
Paulsen, endorsement of Foerster 411
        on the function of the state 260
Pedagogy, maternal, course in 294
Personal experience, functions of 153, 154
Phylogeny 120
Philosophy of education, aim of 22
         and History of Education 21
         and Psychology of Education 21
         danger of false principles in 24, 25
         effect of 22, 23 24,
[443]
Philosophy in the normal school 22
         necessary for clergy, the teachers, the layman, 9, 21
         scope of 7, 10, 21
         three ideals in 64
Philosophy of life and education 51
         Catholic 31
         materialistic 30
Physical adjustment necessary 190
         and mental development 195
         and social heredity 91, 181
         defects, removal of 192
         development and educational aim 181
         education 161, 181
         heredity and education 161
         and ideals 25
```

limitations of 35 inheritance and educational aims 165 Physiological and morphological development 128 Plant life, laws of 124 Plastic period, limitations of 148 Plasticity, a passive quality 65 advantages of 62 advantages and disadvantages of 36 and changing environment 70 and civilization 79 and education 74, 78 and environment 63 and habit 78 and instinct 36, 37 and redemption 27, 28 as absence of adjustment 74 as aim in education 65 in animals and in man 62 individual, advantage of 75 individual and racial 72, 73 in education 146 in the Church 68, 69 in various races 62, 63 of Christian education 147 period of 79 production of 71 Plasticity, progressive changes in 63 value of 63, 114 Plato and popular education 259 Play, function of 188 Potestas Patria 279 Precocity, cause of 197 Primitive religions 132 Problems, new educational 8 Productive scholarship 115 Professional and academic subjects 22 teachers in Catholic schools 423 teachers in the public schools 420 training of teachers 360 Progress, woman's part in 288 Propaganda, Congregation of and Catholic schools 387 Prosser, and industrial education 223 Protestantism and education 359 disintegrating principles 404 Protestants, educational mistakes of 320 Prussian schools and social laminae 352 Prussia, state schools in 349 Psychology and neurology 141 in the Church's method of teaching 345 of education, scope of 117 Public schools and progress 424 Public School Society 341 teachers, selecting of 415

teachers, tenure of 420

Pulpit teaching 306

Punishment, functions of 155

```
Puritans and art 398
        and literature 398
        and music 399
        and science 399
Race experience and individual life 186
        history, foreshortening of 121
        improvement as aim in education 65
[444]
Reading schools 414
Recapitulation and the Culture Epoch Theory 86
        theory 81, 120, 166
Receptive scholarship 115
Redemption, an educational aim 115
Reformation and education, 338, 349
Reformers, educational principles of 320
Reign of law in the educative process 145
        man's recognition of 132
Religion and progress 329
        and written language 324
        banished from the schools 45, 344, 398
        demand for in public schools 345
        exclusion of, a compromise 405
        in the Catholic school 398
        in the curriculum 45
        of India 183
        psychological aspects of, 29, 30
        teaching of 404
Religions, primitive 132
Religious ideals, influence of 426
        inheritance 38
        novitiate and the training of teachers 422
        and asceticism 431
        teachers, training of 431
Renaissance 336
Rigidity and environment, 70, 71
        of species, cause of 70
Revelation and intelligence 171
        art, literature, language as mental food supply 43, 46
Rewarding children 234
Roman education 331
Rousseau's teaching, influence of 168
Sacramental system 310
Saints as models 409
        imitation of 317
        lives an encouragement 410
Saints, lives of as imitative models 170
        reverence for 317
Salamanders, respiration of 84
Sanction, inward 57, 58
Scandal, danger of 317
        effects of 154
Science, pure and applied 22
Scientific inheritance 38
Scholarship, productive 115, 245, 247
        receptive 115, 245, 247
Scola Cantorum 335
```

```
School an educative agency 321
        an offshoot of the Church 328
        and home 348
        cooperation of 186, 294
        and industrial efficiency 222
        and life 408
        and society 220
        and social needs 333
        as real life 409
        experience 407
        function of 61, 321
        gardens 240
        hygiene 184, 211
        new obligations of 188
        organization of, on national lines 385
        origin of 322, 324
        relation to church 321
        to home 321
        to state 321
        sources of progress in 57
        system double-headed 414
        test of the successful 57
        the 321
        units, articulation of 401
Schools of the Prophets 327
Secondary aims in education 180
Secular branches in religious light 405
Sedgwick and organic memory 81
Self-consciousness of nouveau riche 251
Self-control and citizenship 272
Self-conquest 73
Self-conquest, teaching of 190
[445]
Self-determination 124
Self-development, aim of
        child's activities 222
Self-sacrifice and citizenship 271
Self-support 219
Sensory training and the elementary school 237
Seward, Governor, message of 341
Sex hygiene, teaching of 427
Shahan, Bishop, and Catholic University Bulletin 392
Simultaneous method 378
Sisterhoods, number of 380
        work of 383
Sisyphaean process 51
Smith, Mary E. Eskimo Stories by 96
Social and physical heredity 181
        Claim vs individual claim 39, 41
        efficiency, education for 228
        environment, preparation for 277
        heredity and individual experience 153
        necessity of 182
        inheritance 147
        considered as food 43, 45
        solidarity, the aim of education 364
```

```
Socializing motives 221
Soul and body 194
        immortality of 194
        nature of 194
Spartan education 44, 329
Specialization and culture, 244, 247
        narrowness 140
        too early 65
Spencer, Herbert 70
Spirit, ascendancy of 164
Spiritual inheritances, the five-fold 38
        transmission of 39, 40
Spontaneous generation 139
State and Catholic education, aims of 32
        and education 330, 331
State and general education 263, 350
        and industrial training 224
        and the individual 281
        control of education 258
        schools 340
        school and Catholic school 8
        systems 348
        systems, establishment of 342
        supplanting home 366
        support of schools 338
Static to dynamic 48
Superintendent of teachers 417
Supernatural and natural 177
        and natural law 173
        guidance, necessity of 168
Teacher, academic and professional training of 413
        and his training 413
        and mental development 60
Teacher's control of mental forces 58
Teacher, disinterested motive of 380
        functions of 48, 109
Teachers, qualifications of 413
        principles governing the selection of 417
        training of 293, 351
Teacher's work, test of 243
Teaching an economic function 418
        communities, function of 425
                 of men 338
                 of women 383
        types of 48
Tendencies, dangers of present 428
Text-books, new methods in 49
Thomas, St., union of soul and body 194
Thought development, principles governing 133
Tool to machine 284
Trade efficiency and character 263
Transformation, law of 201
[446]
Transition from home to school 188
Treitschke and popular education 238
Truth as food in modern science 41
```

the Gospel 41 preparation for the 209

Truths, germinal 209

Tycho Brahe 134

Type, determination of 107

Types of development 118

Ultimate aim of Christian education 161

of education 38, 39

U S Government and vocational education 227

Unity in nature 133, 144

University, age of entrance 354

Vice and weakened authority 186

Virginia, education in 357

Vernacular in Catholic schools 373

Vital phenomena, conscious and unconscious 141

Vocational education 64, 210

Vocational education and U.S. Government 227

Vocational schools 368

schools and the state system 370

training 239

Vocation, religious, educational value of 313

the determination of 262

teaching as a 379

Volksschule, curriculum of 397

Volksschulen 352

Voluntary attention i.e. interest 192

Von Stein 410

Vorschule and gymnasium 397

Washington on education 357

Wife and husband, equality of 280

function of 279, 290

Woman and domestic science 287

Woman as home-builder 288

Christian, position of 279

education of 289, 290

Woman's part in progress 288

Women, teaching communities of 383

Writing schools 414

Written language and religion 324

Ziller and the Culture Epoch Theory 87

\*\*\*\*

## **Bibliography Derived from Shields's Notes**

Bagley, William C. The Educative Process. New York: Macmillan, 1906.

Baldwin, James Mark. *Mental Development in the Child and the Race*. New York: Macmillan, 1895 (2d ed. rev. 1897).

Bobbitt, John Franklin. "Practical eugenics." From *Proceedings*, Child Conference for Research and Welfare. New York, G. E. Stechert, 1909.

Burns, J. A. The Catholic School System in the United States; Its Principles, Origin, and Establishment. New York: Benziger, 1908.

Butler, Nicholas Murray. *Meaning of Education: Contributions to a Philosophy of Education*. New York: C. Scribner's Sons, 1915.

Chamberlain, Alexander Francis. The Child: A Study in the Evolution of Man. London: W. Scott, 1900.

Conc. Plen. Balt. iii, Acta: See: Acta et decreta Concilii Plenarii Baltimorensis tertii, A.D. 1884. John Murphy et Associates. Baltimore, 1886.

Concilia Provinciali Cinc. Acta. et Dec., Decretum vi, New York, 1886. See Acta et decreta quatuor Conciliorum Provincialium Cincinnatensium 1855–1882. Cincinnati: Benziger Brothers, 1886.

Cope, E. D. The primary factors of organic evolution. Chicago: Open Court Publishing Company, 1896.

Cubberley, Ellwood P. *Public school administration; a statement of the fundamental principles underlying the organization and administration of public education*. Boston: Houghton Mifflin Co., 1916

Dewey, *Democracy and Education: And Introduction to the Philosophy of Education*. New York: Macmillan, 1916

Documents of the Assembly of the State of New York. Albany: E. Croswell, 1831–1918.

Dutton, Samuel Train and David Snedden. *The administration of public education in the United States*. New York: Macmillan, 1910.

Fiske, John. *Outlines of cosmic philosophy: based on the doctrine of evolution, with criticisms on the positive philosophy.* Boston and New York: Houghton, Mifflin and Co., 1902.

Foerster, Friedrich Wilhelm. *Marriage and the Sex Problem*. Translated by Meyrick Booth. New York: Frederik a. Stokes Company, 1912.

Graves, Frank Pierrepont. A *History of Education in Modern Times*. New York: Macmillan and Co., 1913.

Howerth, Ira. W. "Aim in education." *Educational review*, no. 53 (January 1917): 61–71.

Huxley, Thomas Henry. Discourses Biological and Geological. New York: D. Appleton and Co., 1894.

———. Evolution and Ethics: The Romanes Lectures. New York: The Humboldt Publishing Co., 1894.

Jerome, Jerome K. Second Thoughts of an Idle Fellow. New York: Dodd, Mead & Co., 1910.

Joseph, Paul (Brother). "Institute of the Brothers of the Christian Schools." In *The Catholic Encyclopedia*, Volume 8. New York: Robert Appleton Company, 1910.

Kerschensteiner, Georg. *Education for Citizenship: Prize Essay*. Translated by A. J. Pressland from the Fourth Improved and Enlarged Edition. Chicago: The Commercial Club of Chicago, 1911.

Mann, Horace. Lectures on Education. Boston: Ide and Dutton, 1855.

Mansi, Giovanni Domenico. Sacrorum conciliorum, nova et amplissima collectio. Venice: Antonio Zata, 1759.

McCormick, Patrick J. *History of Education: A Survey of the Development of Educational Theory and Practice in Ancient, Medieval and Modern Times*. Intro. Edward A. Pace. Washington, DC: The Catholic Education Press, 1915.

McMurray, Charles Alexander. *The Elements of General Methods*, Based on the Principles of Herbart. New York: Macmillan and Co., 1903.

Menzies, Allen. *History of religion: a sketch of primitive religious beliefs and practices, and of the origin and character of the great systems.* New York: C. Scribner's Sons, 1897.

Monroe, Paul. A Text Book in the History of Education. New York: Macmillan and Co., 1905.

Müller, Max. Sacred Books of the East. Volume 37. Trans. E. W. West. Oxford: Clarendon Press., 1892.

National Education Association of the United States. N. E. A. and International Congress of Education, Oakland, California, August 16-28, 1915. [Oakland, Cal.:] n.p., 1915.

O'Shea, Michael Vincent. Education as Adjustment: Educational Theory Viewed in the Light of Contemporary Thought. New York: Longmans, Green, and Co., 1905.

Parker, Samuel Chester. A Textbook in the History of Modern Elementary Education, with Emphasis on School Practice in Relation to Social Conditions. Boston: Ginn and Company, 1912.

Partridge, G. E. and G. Stanley Hall. *Genetic Philosophy of Education: an Epitome of the Published Educational Writings of President G. Stanley Hall.* New York: Sturgis & Walton Company, 1912

Partridge, Genetic Philosophy of Education, New York, 1912.

Paulsen, Friedrich. System der Ethik mit einem Umriß der Staats- und Gesellschaftslehre. Band 1 und 2. Berlin: Hertz, 1900.

Proceedings of the Child Conference for Research and Welfare. New York: Stechert, 1909.

Romanes, George John and C. Lloyd Morgan. *Darwin and after Darwin: An Exposition of The Darwinian Theory and a Discussion of Post-Darwinian Questions*. 3rd ed. Chicago: Open court Pub. Co., 1906.

Ryan, John Augustine. "Family" in *The Catholic Encyclopedia*, Vol. 5. New York: Robert Appleton Co., 1909.

Smith, Mary E. E. Eskimo Stories. Chicago: Rand, McNally & Co., 1902.

\*\*\*\*

-----

[End of the selection of the book available <u>commercially</u>]

<sup>&</sup>lt;sup>1</sup> Proceedings, New York. 1909; p. 73.

<sup>&</sup>lt;sup>2</sup> *Op. cit.*, p. 74.

<sup>&</sup>lt;sup>3</sup> Partridge, Genetic Philosophy of Education, New York, 1912, pp. 56–8.