

GLIMPSES OF THE COSMOS

BY

LESTER F. WARD

COMPRISING HIS MINOR CONTRIBUTIONS
NOW REPUBLISHED, TOGETHER WITH
BIOGRAPHICAL AND HISTORICAL
SKETCHES OF ALL HIS WRITINGS

Glimpses of the Cosmos

A Mental Autobiography

By Lester F. Ward, LL.D.

Vol. I. Adolescence to Manhood Period, 1858-1871.
Age, 16-30

Vol. II. Scientific Career Inaugurated. Period, 1875-1882.
Age, 34-40

Vol. III. Dynamic Sociology. Period, 1882-1885.
Age, 40-44

Vol. IV. Period, 1885-1893. Age, 44-52

Vol. V. Period, 1893-1897. Age, 52-44

Vol. VI. Period, 1897-1912. Age, 56-70

G. P. PUTNAM'S SONS
NEW YORK AND LONDON
The Knickerbocker Press

(Copyright 1918, by Sarah C. Comstock)

Contents of Volume VI.

No.		PAGE
437.	WHAT ARE STIPULES? REVIEW OF THE NATURE AND ORIGIN OF STIPULES, BY A. A. TYLER, A. M. PRESENTED TO THE FACULTY OF PURE SCIENCE OF COLUMBIA UNIVERSITY IN PARTIAL REQUIREMENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY. ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, VOL. X., NEW YORK, 1897, PP. 1-49, PL. I-III. ALSO SEPARATE: CONTRIBUTIONS FROM THE DEPARTMENT OF BOTANY OF COLUMBIA UNIVERSITY, No. 119	1
438.	REVIEW OF ORGANISME ET SOCIÉTÉ. PAR RENÉ WORMS. BIBLIOTHEQUE SOCIOLOGIQUE INTERNATIONALE, I. PARIS: V. GIARD ET E. BRIÈRE, 1896. PP. 412; AND LA PATHOLOGIE SOCIALE. PAR PAUL DE LILIENFELD. AVEC UNE PREFACE DE RENÉ WORMS. BIBLIOTHEQUE SOCIOLOGIQUE INTERNATIONALE, II. PARIS: V. GIARD ET E. BRIÈRE, 1896. PP. XLVII 332	2
439.	THE NATURE OF PLEASURE	4
440.	THE CRETACEOUS FORMATION OF SOUTHWESTERN KANSAS	6
441.	[ANNOUNCEMENT OF OUTLINES OF SOCIOLOGY]	7
442.	[THE MESQUITE IN SOUTHERN KANSAS]	8

[Glimpses of the Cosmos, Vol. VI. p. ix]

CONTENTS

No.		PAGE
443.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1896	9
444.	THE ESSENTIAL NATURE OF RELIGION.	9
445.	["THE INCREASE AND DIFFUSION OF KNOWLEDGE AMONG MEN"]	33
446.	A NEW SPECIES OF EUCALYPTUS FROM THE DACOTA GROUP OF SOUTHWESTERN KANSAS	34
447.	BIBLIOGRAPHY FOR THE YEAR ENDING JUNE 30, 1895	34
448.	PSORALEA TENUIFLORA AS A TUMBLE-WEED	36
449.	LITERARY NOTE [OUTLINES OF SOCIOLOGY]	36
450.	[DR. SCHENK'S METHOD OF CONTROLLING SEX]	37
451.	UTILITARIAN ECONOMICS	38
452.	OUTLINES OF SOCIOLOGY	41
453.	REVIEW OF THE SOCIAL MIND AND EDUCATION. BY GEORGE EDGAR VINCENT. PRICE \$1.25. PP. IX, 156. NEW YORK: THE MACMILLAN COMPANY, 1897	44
454.	L'ÉCONOMIE DE LA DOULEUR ET L'ÉCONOMIE DU PLAISIR	45
455.	A NEW COMPASS PLANT	47
456.	REVIEW OF FOSSIL PLANTS FOR STUDENTS OF BOTANY AND GEOLOGY. By A. C. SEWARD, M.A., F.G.S. WITH ILLUSTRATIONS. VOL. I, CAMBRIDGE, 1898. PP. XVIII + 452. CAMBRIDGE NATURAL SCIENCE MANUALS. BIOLOGICAL SERIES	48
457.	DESCRIPTIONS OF THE SPECIES OF CYCADEOIDEA, OR FOSSIL CYCADEAN TRUNKS, THUS FAR DETER-	

[Glimpses of the Cosmos, Vol. VI. p. x]

CONTENTS

No.		PAGE
	MINED FROM THE LOWER CRETACEOUS RIM OF THE BLACK HILLS	49
458.	REVIEW OF TRUTH AND ERROR, OR THE SCIENCE OF INTELLECTION. BY J. W. POWELL. CHICAGO, THE OPEN COURT PUBLISHING COMPANY	51
459.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1897	55
460.	SOCIOLOGY AND ECONOMICS	55
461.	THE GOSPEL OF ACTION	56
462.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1898	63
463.	THE CRETACEOUS FORMATION OF THE BLACK HILLS AS INDICATED BY THE FOSSIL PLANTS	64
464.	THE FOSSIL FORESTS OF ARIZONA	71
465.	DESCRIPTION OF A NEW GENUS AND TWENTY NEW SPECIES OF FOSSIL CYCADEAN TRUNKS FROM THE JURASSIC OF WYOMING	73
466.	REVIEW OF SOCIAL LAWS. AN OUTLINE OF SOCIOLOGY. BY G. TARDE. TRANSLATED FROM THE FRENCH BY HOWARD C. WARREN, ASSISTANT PROFESSOR OF EXPERIMENTAL PSYCHOLOGY IN PRINCETON UNIVERSITY, WITH A PREFACE BY JAMES MARK BALDWIN. NEW YORK, THE MACMILLAN COMPANY, 1899. SMALL 8°. PP. XII +213	74
467.	REPORT ON THE PETRIFIED FORESTS OF ARIZONA	76
468.	[APPRECIATION OF THE MONIST AND OPEN COURT]	99
469.	REVIEW OF THE THEORY OF THE LEISURE CLASS. AN ECONOMIC STUDY IN THE EVOLUTION OF	

[Glimpses of the Cosmos, Vol. VI. p. xi]

CONTENTS

No.		PAGE
	INSTITUTIONS. By THORSTEIN VEBLEN. NEW YORK: THE MACMILLAN Co., 1899. PP. VIII + 400, 8 VO	100
470.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1899	101
471.	STATUS OF THE MESOZOIC FLORAS OF THE UNITED STATES, FIRST PAPER	102
472.	ELABORATION OF THE FOSSIL CYCADS IN THE YALE MUSEUM	107
473.	THE AUTOCHTHONOUS OR ALLOCHTHONOUS ORIGIN OF THE COAL AND COAL PLANTS OF CENTRAL FRANCE	109
474.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1900	111
475.	REVIEW OF A MEMOIR SUR QUELQUES MICROORGANISMES DES COMBUSTIBLES FOSSILFS. PAR B. RENAULT. ONE VOL. ROY 8 VO, PP. 460, WITH 66 TEXT FIGS.; ATLAS, FOLIO, 30 PLATES WITH EXPLANATION SHEETS. EXTRAIT DU BULLETIN DE LA SOCIÉTÉ DE L'INDUSTRIE MINÉRALE. TROISIÈME SÉRIE, TOME XIII, 4 ^E LIVRAISON, 1899. TOME XIV, 4 ^E LIVRAISON, 1900. SAINT-ETIENNE.1900	111
476.	LA MÉCANIQUE SOCIALE	112
477.	[DISCUSSION OF LA MÉCANIQUE SOCIALE]	115
478.	GEOLOGY OF THE LITTLE COLORADO VALLEY	116
479.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1901	116
480.	CONTEMPORARY SOCIOLOGY	117
481.	SOCIOLOGY AT THE PARIS EXPOSITION OF 1900	121
482.	[DEFINITION OF SOCIOLOGY]	126

[Glimpses of the Cosmos, Vol. VI. p. xii]

CONTENTS

No.		PAGE
483.	THE WORD "ECOLOGY"	127
484.	[LE MATÉRIALISME HISTORIQUE]	128
485.	SOCIOLOGY AS A SCIENCE	128
486.	REVIEW OF HOMERIC SOCIETY. A SOCIOLOGICAL STUDY OF THE ILIAD AND ODYSSEY. BY ALBERT GALLOWAY KELLER, PH. D. NEW YORK AND LONDON: LONGMANS, GREEN & Co., 1902	137
487.	PURE SOCIOLOGY. A TREATISE ON THE ORIGIN AND SPONTANEOUS DEVELOPMENT OF SOCIETY	138
488.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1902	154
489.	SOCIAL DIFFERENTIATION AND SOCIAL INTEGRATION	154
490.	LA DIFFERENCIATION ET L'INTÉGRATION SOCIALES - UNE UTOPIE SOCIOLOGIQUE	156
491.	[EHRENBERG'S SCIENTIFIC PREDICTION].	158
492.	THE DRESDEN CYCAD	159
493.	[HERBERT SPENCER, HIS DEATH, HIS VISIT TO WASHINGTON, SOME OF HIS LAST LETTERS, SKETCH OF HIS CAREER]	160
494.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1903	165
495.	[NOTE ON THE DEGREE OF OFFICER OF PUBLIC INSTRUCTION OF FRANCE, CONFERRED]	165
496.	REVIEW OF THE POSITIVE PHILOSOPHY OF AUGUSTE COMTE. BY L. LÉVY-BRUHL. AUTHORIZED TRANSLATION, TO WHICH IS PREFIXED AN INTRODUCTION BY FREDERIC HARRISON. NEW YORK, G. P. PUTNAM'S SONS. 1903. PP. XIV + 363. 8°	166

[Glimpses of the Cosmos, Vol. VI. p. xiii]

CONTENTS

No.		PAGE
497.	MONOGENISM AND POLYGENISM	168
498.	HERBERT SPENCER'S SOCIOLOGY	169
499.	REVIEW OF WHERE DID LIFE BEGIN? A BRIEF INQUIRY AS TO THE PROBABLE PLACE OF BEGINNING AND THE NATURAL COURSES OF MIGRATION THEREFROM OF THE FLORA AND FAUNA OF THE EARTH. A MONOGRAPH. BY GILBERT HILTON SCRIBNER. NEW EDITION. NEW YORK: CHARLES SCRIBNER'S SONS, 1903	178
500.	HERBERT SPENCER'S AUTOBIOGRAPHY	179
501.	[THE RISE OF THE PROLETARIAT]	188
502.	DISCOURS D'OUVERTURE	190
503.	[L'ORGANISME SOCIAL]	191
504.	LES RAPPORTS ENTRE LA SOCIOLOGIE ET LA PSYCHOLOGIE	191
505.	DISCOURS DE CLÔTURE	193
506.	THE PTERIDOSPERMAPHYTA	194
507.	A FAMOUS FOSSIL CYCAD	194
508.	PALEOZOIC SEED PLANTS	195
509.	[DEATH OF GABRIEL TARDE]	196
510.	[MONUMENT TO BERNARD RENAULT]	198
511.	REVIEW OF THE JURASSIC FLORA. By A. C. SEWARD, F.R.S. PART I, THE YORKSHIRE COAST. LONDON, 1900. PART II, LIASSIC AND OOLITIC FLORAS OF ENGLAND (EXCLUDING THE INFERIOR OOLITE PLANTS OF THE YORKSHIRE COAST), LONDON, 1904. CATALOGUE OF THE MESOZOIC PLANTS IN THE DEPARTMENT OF GEOLOGY, BRITISH MUSEUM (NATURAL HISTORY). PARTS III, IV	199

[Glimpses of the Cosmos, Vol. VI. p. xiv]

CONTENTS

No.		PAGE
512.	ADMINISTRATIVE REPORT FOR THE YEAR ENDING JUNE 30, 1904	200
513.	LE SUJET-MATIÈRE DE LA SOCIOLOGIE	200
514.	AN EXAMPLE IN NOMENCLATURE	200
515.	EVOLUTION OF SOCIAL STRUCTURES	201
516.	MENTHACEAE	206
517.	REVIEW OF AN OUTLINE OF THE THEORY OF ORGANIC EVOLUTION, WITH A DESCRIPTION OF SOME OF THE PHENOMENA WHICH IT EXPLAINS. BY MAYNARD M. METCALF. NEW YORK: THE MACMILLAN COMPANY. 1904. 80, XXII + 204 PAGES, ILLUSTRATED	208
518.	A TEXT-BOOK OF SOCIOLOGY. By JAMES QUAYLE DEALEY, PH. D., PROFESSOR OF SOCIAL AND POLITICAL SCIENCE IN BROWN UNIVERSITY, AND LESTER F. WARD, LL.D., OF THE SMITHSONIAN INSTITUTION AT WASHINGTON, D. C. NEW YORK. THE MACMILLAN COMPANY, 1905	209
519.	STATUS OF THE MESOZOIC FLORAS OF THE UNITED STATES. SECOND PAPER	213
520.	LES FORCES PHYLOGÉNÉTIQUES	220
521.	[ANNOUNCEMENT OF APPLIED SOCIOLOGY]	221
522.	THE PAST AND FUTURE OF THE SEXES	223
523.	APPLIED SOCIOLOGY. - A TREATISE ON THE CONSCIOUS IMPROVEMENT OF SOCIETY BY SOCIETY	225
524.	[SECOND ANNOUNCEMENT OF APPLIED SOCIOLOGY]	236
525.	[ANNOUNCEMENT OF THE PSYCHIC FACTORS OF CIVILIZATION, SECOND EDITION]	239
526.	[NOTE ON SYMPODIAL PLANTS]	241

[Glimpses of the Cosmos, Vol. VI. p. xv]

CONTENTS

No.		PAGE
527.	THE ESTABLISHMENT OF SOCIOLOGY. - ABSTRACT	242
528.	REVIEW OF SOCIOLOGY AND SOCIAL PROGRESS: A HANDBOOK FOR STUDENTS OF SOCIOLOGY. COMPILED BY THOMAS NIXON CARVER, PH.D., LL.D., DAVID A. WELLS PROFESSOR OF POLITICAL ECONOMY IN HARVARD UNIVERSITY. BOSTON, GINN AND COMPANY [1906]. PP. VI + 8 VO; 8°. LIST PRICE, \$2,75; MAILING PRICE, \$2.95	243
529.	MARS AND ITS LESSON	244
530.	THE ESTABLISHMENT OF SOCIOLOGY	259
531.	THE FINE ARTS AS A DYNAMIC FACTOR IN SOCIETY	266
532.	SOCIAL DARWINISM	268
533.	LES LUTTES SOCIALES ET LES LUTTES BIOLOGIQUES	269
534.	LA SOCIOLOGIE DES PARTIS POLITIQUES	272
535.	SOCIAL AND BIOLOGICAL STRUGGLES	273
536.	RELATIONS OF THE SOCIAL SCIENCES. - A SYMPOSIUM	274
537.	WHAT BRINGS OUT GENIUS? IS IT INHERITANCE OPPORTUNITY, TRAINING, ENVIRONMENT, OR LUCK	277
538.	SOCIAL CLASSES IN THE LIGHT OF MODERN SOCIOLOGICAL THEORY. - ABSTRACT	291
539.	THE SOCIOLOGY OF POLITICAL PARTIES	292
540.	SOCIAL CLASSES IN THE LIGHT OF MODERN SOCIOLOGICAL THEORY	293
541.	MOTIVES IN SOCIAL CONFLICT	294
542.	[SOCIAL INTEGRATION THROUGH CONFLICT]	295

[Glimpses of the Cosmos, Vol. VI. p. xvi]

CONTENTS

No.		PAGE
543.	REVIEW OF SOCIAL PSYCHOLOGY: AN OUTLINE AND SOURCE BOOK: By EDWARD ALSWORTH ROSS. NEW YORK, THE MACMILLAN COMPANY, 1908. PP. XVIII + 372	296
544.	THE VALUE OF ERROR	300
545.	THE CAREER OF HERBERT SPENCER	301
546.	THE STATUS OF SOCIOLOGY	317
547.	REVIEW OF "THE PROBLEM OF AGE, GROWTH, AND DEATH. A STUDY OF CYTOMORPHOSIS, BASED ON LECTURES AT THE LOWELL INSTITUTE, MARCH, 1907." BY CHARLES S. MINOT. NEW YORK AND LONDON. G. P. PUTNAM'S SONS, 1908. PP. XXII, 280. THE SCIENCE SERIES	319
548.	[NOTICE OF THE SEVENTH CONGRESS OF THE INTERNATIONAL INSTITUTE OF SOCIOLOGY]	320
549.	THE GENEVA JUBILEE	321
550.	LUDWIG GUMFLOWICZ	325
551.	EDUCATION AND PROGRESS	330
552.	SPAIN AND FERRER	341
553.	SOCIOLOGY AND THE STATE	350
554.	THE HISTORICAL VIEW OF WOMAN	353
555.	[SOLIDARITÉ SOCIALE] PAROLES	357
556.	[WAR AND PROGRESS]	359
557.	[THE HIERARCHY OF THE SCIENCES]	360
558.	[NOTE ON A PROPOSED TRIP TO CHRISTIANIA, HAMBURG AND ROME]	361
559.	REVIEW OF "THE CHANGING CHINESE, ORIENTAL AND WESTERN CULTURES IN CHINA." By ED-	

CONTENTS

No.		PAGE
	WARD ALSWORTH ROSS, PH.D., LL.D., PROFESSOR OF SOCIOLOGY IN THE UNIVERSITY OF WISCONSIN. NEW YORK, THE CENTURY Co. 1911. 8°, PP. XVI + 356	362
560.	THE STRUGGLE OF TO-DAY	364
561.	APPRECIATION OF SOCIOLOGICAL STUDY OF THE BIBLE, BY LOUIS WALLIS	370
562.	DÉFINITION DU PROGRES SOCIAL	372
563.	EUGENICS, EUTHENICS, AND EUDEMICS	382
