

15/14/20

Liberal Arts and Sciences

Mathematics

Robert D. Carmichael Papers, 1905-1964

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15/14/20  
Liberal Arts and Sciences  
Mathematics  
Robert D. Carmichael Papers, 1905-1964

Box 1:

Diary, Sept. 1, 1919 to Oct. 22, 1919  
Account Book, Sept. 1 1927 to July 20, 1942, scattered  
Personal Notices, Vol I(?), (Vol.II missing?)  
    newspaper clippings, Jan. 23, 1913, May 23, 1926  
Travel Notebook  
    Includes notes and printed material on cities; arranged alphabetically  
    Includes traveling expenses "Urbana to Father's" and cash account on July 19, 1922  
    Includes D-X Road Map of Oklahoma (ca. 1950)  
Record of Conferences, 1923-24  
Record of Book Lending, Aug. 1932-Apr. 7, 1936  
    Includes: p. 11 - Complimentary copies of What is Man? List of those supplied with copies  
Notes on Dissertation Researches, Nov. 14, 1928 - Jan. 16, 1931  
    Also notes on:  
        Written examinations for Doctor's Candidates pp. 131-  
        Manuscript record pp. 121-  
Memoranda  
    1. Departmental, July 29, 1929-1932  
    2. Ph.D. Theses with R. D. C. Date?  
Notes on the Manuscript Market, 1919-1920  
Chicago Section of the American Mathematical Society, 1920-21  
    "...to contain notes of a...general interest or value in conjunction with my duties as chairman  
    of the Chicago Section of the American Mathematical Society." (Jan. 8, 1920 -  
    March 25, 1921)  
    some correspondence glued on  
Correspondence concerning the Chicago Section of the American Mathematical Society, April 7,  
1921 - Dec. 14, 1921

Box 2:

Illinois Chapter of the American Association of University Professors Notes by R. D. C. intended  
for his use in connection with his service as President of this chapter, May 23, 1929 - Oct.  
18, 1929  
    Includes reprint of Carmichael article: "The Measure of Excellence in Scientific Activity"  
    with note from "E. F. S." (Edgar Townsend)  
Retirement Citation from Department of Mathematics, June, 1947  
Retirement Citation from Graduate Faculty, June 27, 1947  
Mortar Board, black with gold tassel  
On the Growth of My Life - letters from others about Nov. 14, 1953 - Dec. 22, 1954  
Notebook: "The Growth of My Life," by Robert Daniel Carmichael, Oct. 30, 1952 - April 18, 1954

(See also "Abelian and Tauberian Theorems, II" Notebook, Box 12 - Incl: Autobiography-discontinued; and first drafts and notes of "On the Growth of My Life")

On the Growth of My Life, carbon copy with note of Dec. 3, 1953  
 includes cover letter inviting "criticisms, corrections, and suggestions" on the manuscript which was sent to twelve persons named

On the Growth of My Life, top copy with notes invited as per above cover letter, March 3, 1954 (on box) Includes p. 140 (back) - glued on - letter, Feb. 27, 1954, from Mr. Daniel M. Carmichael

On the Growth of My Life, March 3, 1954, carbon copy with notes invited as per above cover letter

On the Growth of My Life for Eighty Years, 1957 (on box, but actual date?), Manuscript, original copy

On the Growth of My Life, May 17, 1957, typed copy with annotations and reworked sections [On the Growth of My Life] untitled re-worked carbon copy beginning with Chapter I. undated

On the Growth of My Life "being revised in 1957 Feb. - "

On the Growth of My Life for Eighty Years, annotated top copy "prepared in 1957"

On the Growth of My Life for Eighty Years - Oct. 1959

Box 3:

Correspondence Concerning Family in General, Feb. 16, 1957 - May 4, 1964  
 Eunice Carmichael Robert, daughter  
 Resume  
 Translation Exercises  
 Speeches - April 17, 1952 - College of LAS, U of I - Educating Our Women - March 19, 1959 - National Association of Women Deans and Counselors, Cleveland, Ohio - Crises to Try Our Edge  
 with Letter to R.D.C

Notes on the Carmichaels and their ancestors, or The Genealogy and History of the Family of Robert Daniel Carmichael, May 24, 1928 - Nov. 15, 1943

Carmichael Family Letters  
 Miscellaneous Memories and Comments, Feb. 21, 1954 - Mar. 1, 1955  
 Letters 1-18  
 (Folder A - letters 1-9; Feb. 21, 1954 - July 7, 1954  
 Folder B - letters 10-18; July 27, 1954 - March 1, 1955  
 Included: correspondence concerning individual letters

Letters to his children, Oct. 12, 1954 - Aug. 11, 1956  
 Letters 1-7

- 1 - Reactions to the Atomic Age in Its First Year - Oct. 12, 1954
- 2 - On Some Early Notebooks - Feb. 16, 1955
- 3 - Second Letter on Early Notebooks - Apr. 18, 1955  
 - Supplementary letter A - April 18, 1955
- 4 - Mainly about Notebooks on Group Theory - Aug. 10, 1955
- 5 - Early Writing of Verse In Griggsville - Oct. 1, 1955
- 6 - Mainly on Verse Manuscripts - Dec. 1, 1955

- 7 - Comments on Mathematical Notebooks - Aug. 11, 1956

Box 4:

Letters on Current Experience First Series, handwriting ms., March 1, 1955 - July 10, 1957

Folder A -

- 1 - On Reading Toynbee, Vol. I-III - Mar. 1, 1955
- 2 - On Reading Toynbee, Vol. IV and V - Mar. 7, 1955
- 3 - On Matters current in April - May, 1955, June 1, 1955
- 4 - The Course of Life, As Seen In Retrospect - Aug. 26, 1955
- 5 - On Several Matters Recently Current (Nov., 1955) - Nov. 9, 1955
- 6 - Great Books and Great Ideas - Jan. 20, 1956

Folder B -

- 7 - Matters Current In Early 1956 and Their Background - Apr. 20, 1956
- 8 - Plato and Aristotle in My Life - July 1, 1956
- 9 - Some Matters Current In 1956 - Jan. 1, 1957
- 10 - On Reading Shakespeare Again - March 1, 1957
- 11 - Some Themes Abiding Through My Days and Years - May 10, 1957
- 12 - The Vocation of Man: An Ode - July 10, 1957

Letters on Current Experience - Second Series, Sept. 25, 1957 - date?

18 letters, handwriting ms.

Folder A

- 1 - On "The Interpreter's bible" Vol. 12 - Sept. 25, 1957
- 2 - Mainly on Readings in History - Jan. 13, 1958
- 3 - On Intellectual Stock-Taking - Mar. 29, 1958
- 4 - Some Recent Readings and Consequent Reminiscence - June 13, 1958
- 5 - I. Knowledge and Wisdom and Character  
II. Report on Some Reminiscence - Nov. 11, 1958
- 6 - Reminiscence: Sept. 1, 1927 to Aug. 31, 1937 - Feb. 19, 1959
- 7 - I. Two books on the History of Alabama - Apr. 4, 1959  
II. Conferences With My Great-Uncle John Carmichael
- 8 - The Early Genealogy of Our Carmichael Group - June, 10, 1959
- 9 - Genealogy Through My Mother's Line - July 1, 1959

Folder B

- 10 - Experiences In Growing Old - Sept. 15, 1959
- 11 - Untitled - July 6, 1960
- 12 - Mainly On a Lifetime Reading Plan - Nov. 11, 1960
- 13 - A Letter on Recent Reading and Some Not Recent - Feb. 2, 1961
- 14 - Mainly About A Man - Apr. 1, 1961
- 15 - Report on Recent Personal Experience - Apr. 25, 1961
- 16 - Reminiscence IV - Date?
- 17 - Memoranda - Date?
- 18 - Summarized Lineage Records in Four Lines of Descent - Date?

Reports on Carmichael Family Meetings

Memoranda based on Family Talks at Aunt Bessie's in August, 1954 by Eunice

Prepared Griggsville, IL - Aug. 30-31, 1954

Notes on Carmichael Family Meeting, Aug. 10-13, 1955, at Asheville, North Carolina, by Eunice

Family Meeting at Ann Jordan Lodge, Aug 24, 1956, Material submitted by Bessie - Nov. 2, 1956

Box 5: Poetry

The Poet Companion, handwriting; started Dec. 21, 1919

The Bhagavadgita

A Paraphrase in English Verse by Robert Daniel Carmichael, typed carbon, date?

Poets and Dramatists of the World

Notes by R. D. Carmichael, started Aug. 16, 1944

"...to be listed from the 11th and 14th editions of the Encyclopedia Britannica..."

Untitled S-E Ledger

p. 21 "A Writer's request of his Master from Henry Van Dyke"

p. 39 "The Cotton Bolls", Rough notes for a poem by R. D. Carmichael, started Aug. 2, 1921  
msg. - p. 1-20

English Poetry in the Twentieth Century

notes by R. D. Carmichael - date?

Anthology of Twentieth Century Poets

R. D. Carmichael's Poetic Work:

Poems From Fifty Years - Vol. I, "Experiments in A Stanza Form of Fourteen Lines" -  
Started June 21, 1938 through Jan. 31, 1943

"...arranged into three groups..."

- The Great Freedoms
- What Is Man?
- Fire

Poems From Fifty Years - Vol. II, "Poems on Wisdom and Character" - started March 1, 1941

"...Fall into Five groups..."

- Character
- Great Men
- The Rights of Man
- Wisdom
- The Supreme Good

msg. Vol. III-V? of "Poems From Fifty Years"

Verses - Vol I

"My earliest verses go back at least to 1895. But they were not many prior to 1900."

- Date?

Verses - Vol II.

Verses - Vol III.

"...preserved for personal reasons and not for the intrinsic value of the verse itself." -

Date?

Verses - Vol IV.

Includes "The Song of Fire"

Verses - Vol V. (cover title)

"Richard Glenvir - Vol. I" (title page)

"...published...probably over a pseudonym, say, Charles Dana Trebore, perhaps..." - Date?

Verses - Vol VI (cover title)

"Richard Glenvir - Vol II. (title page)

empty except for inserted note - Date?

Later Poems - Vol. I. - started Mar. 1, 1945

Introduction - indicated there are 5 volumes of "Poems From Fifty Years"

Later Poems - Vol. II.

"Nature" - Started Mar. 1, 1945

Later Poems - Vol. III.

"Poems on Life" - Started March 1, 1945

Later Poems - Vol. IV.

"Adaptations, etc." - Started March 1, 1945

#### Box 6:

Rough Notes, "The Song of Fire" (undated)

The Song of Fire and other Poems (undated)

pg. 95 - "To Some Graduate Students"

Prospicuous

Looking Forward - Started June 27, 1922

Alternative title: Richard Glenvir - Started Sept. 1, 1936

Richard Glenvir - 1918?

is this copy referred to in title page introduction of above volume

Man and the New Atomic Age - started 1945

From Spring to Spring

From Dawn to Dawn - Started May 1, 1948

What Is Man? - Started Dec. 13, 1941

p. 1-70 - "copied from Experiments" (Box 3L)

Includes letter and comments from Harris Fletcher, 22 Feb. 1943, on manuscript

The Cotton Bolls - Started Aug. 2, 1921

see also untitled S-E ledger (Box 1L), p. 39

An Expectant Creation (undated) - typed carbon

Richard Glenvir, 194?

Canto XV-XXX

notations by section on date of composition

Emergence - Started Sept. 27, 1931

material included in Richard Glenvir

The Heart of a Man or Songs From the Heart of a Man



includes: Nature Topics, p.23-31  
 Folder: The Heart of a Man  
 B - inserted songs - ditto sheets  
 Folder: The Heart of a Man  
 C - inserted clippings - book notice/reviews  
 Untitled Binder of Poetry, p. 1 - "Man's Unfolding Life"  
 Including p. 54 - Odes, typed carbon  
 Untitled Binder of Poetry, p. 1 - "Ode on Evolution in the Future", typed carbon, Cover title:  
 Encyclopaedia Britannica New and Supplementary Articles  
 Work Book for Verses  
 p. 1-250 - "Wisdom and Character" (See Poems from Fifty Years - Vol II, Box 1L)  
 p. 251-300 - "The Great Freedoms (See Poems From Fifty Years - Vol I, Box 1L)  
 March 1, 1941  
 Work Book, Oct. 1950 and Following  
 p. 29 - "Ode on Evolution in the Future"  
 msg. - p. 1-28  
 "in Later Poems, III" Oct. 1, 1950

Box 7:

Other Short Poems, pp. 1-60  
 "See also From Spring to Spring, Box 2L)  
 Includes - Early Sonnets Revised, pp. 61-76  
 May 9, 1948  
 Work Book  
 p. 7 - "On Reading Thoreau", June 25, 1945  
 Working Notes for 1952, Jan. 1, 1952  
 Orig: Notes looking toward a History of Groups of Finite Order, Chap. XXVI  
 Untitled Record Book, p. 35 - "Remarks on Richard Glenvir", msg. p. 1-30  
 March 1948  
 Work Book For Verse  
 Includes - p. 1-193 - "Man and the New Atomic Age", Aug. 12, 1945  
 Orig: Notes looking toward a History of Groups of Finite Order, Chap. XXIII  
 Includes - p. 201 - "Contents of Volume of Clippings on the Atomic Bomb and the Atomic Age"  
 Index to articles in the News-Gazette and the N.Y. Times from Aug. 6, 1945 - Mar. 3, 1946  
 Sonnets, p. 11 - "Thought" (undated)  
 Spenserian Stanzas, Nov. 23, 1925  
 "...into an ambitious philosophical poem with the title Past and Future. ...and epic of evolution...Perhaps no more magnificent theme has ever been attempted in verse."  
 Notes for Verses, June 22, 1913  
 "...those who love the great out-of-doors"  
 Verse: Rough work notes in pencil, p. 20-28  
 p. 20 - "Ode on the Atomic Age" - Dec. 9, 1950

Includes: Notes on Merz' History of European Thought in the 19th Century  
p. 1-18 (undated)

Clippings of Verses, p. 1 - "The Lure of London" - May 24, 1913 (Not by R.D.C.)

Notes on the sonnet - 1922 ?

#### CLASSICS

Record of Reading Classical Literature - June, 1912 through Oct. 1917

"Motto - at least one fresh classic every month."

Notecards on Greek Dramatic Literature (undated) Folder

Notecards on the Greek Philosophers (undated)

Notes on Greek Literature - Aug. 1, 1931

From Encyclopedia Britannica and Loeb Classical Library

Socrates - Dec. 10, 1932

Translations - Oct. 6, 1943

"Adaptations from the Greek"

Translations - July 21, 1927

transferred to above notebook Oct. 1, 1943, as a "preliminary work book"

#### PHILOSOPHY

Thought and Conversations on Philosophy - Nov. 27, 1923

"... to keep some record of the conversations held at the Philosophy Club...[and} serve for  
general memoranda on philosophical matters..." p. 2 - Membership of Club

Philosophy and the New Physics

Notes for an essay - Oct. 8, 1929

Includes: Poems by C. D. Trebore (pen name of R. D. C.) - Sept. 28, 1949

#### RELIGION

Sermons - Jan. 4, 1908

p. 50 - Includes math notes and computations

Note Cards of Scriptural Essays, Meditations, Short Sermons (undated)

Sermon Outlines - Aug. 2, 1905

Includes: "theme for somewhat large religious poem: The Making of Simon Peter"

Religious Articles - 1909?

#### BIOLOGY

Untitled S-E ledger - Notes, nature notes, p.21 - "Autumn Leaves"

Includes math notes and computations

Britannica Readings, biological Articles - Feb., 1917

#### Box 8:

#### PHILOSOPHY OF SCIENCE

Notes on the Unity of Science, Vol. I - Jan. 16, 1921 - Apr. 10, 1921

" Vol. II - Apr. 13, 1921 - May 21, 1921

" Vol. III - May 21, 1921 - ? (mainly empty)

" Vol. IV

"...keep together the remarks on The Logic of Hypothesis. Decided...to make it a note book  
on the subtopic: The Logic of Discovery; or The Method of Discovery; or"

- Pre-May 21, 1921 - "started before Vol. II was finished"
- The Logic of Discovery, [Vol. I] (undated)  
appears to be a re-working of previously published materials plan; chapters I-VI in black binder
- The Logic of Discovery [Vol. II] (undated)  
Includes Chapter X-XIII; XV in black binder
- Some Aspects of the Method of Thought (1917-?)
- The Trend Toward Spiritual Interpretations Among Scientific Thinkers, or The Tendency of Scientific Thinkers Toward Spiritual Interpretations (June 2, 1926) "...to contain preliminary notes and collected material for five lectures..."
- The Doctrinal Function and the Nature of Meaning and Reasoning (Dec. 21, 1926)  
(mainly empty)
- Notes on Scientific Reading (undated)
- The Contribution of Mathematics to Physics (undated)  
pages torn from a notebook? In folder p. 22 - "After the foregoing preliminary discussion we are now ready to enter upon the treatment of relativity proper."
- A Tensor Theory for Atomic Phenomena, or a Tensor Theory in the Difference  
Calculus - started Oct. 13, 1932, "Abandoned after a preliminary analysis", Includes: p. 21-22 "Notes For Verses, The Vocation of Man: A Dramatic Sequence - July 11, 1948 - Nov. 18, 1950
- THEORY OF RELATIVITY
- The Theory of Relativity - Sept. 26, 1912  
pages torn from a notebook
- Index to Notes on the Theory of Relativity - April 19, 1926  
Includes: Indiana Debate on Relativity: Opening Speech, p. 35-76 for the affirmative  
Sponsored by Sigma Xi  
p. 35 - "I delivered at Indiana University in 1912...what appears to have been the first course of lectures on relativity given on the American continent..."
- Theory of Relativity Course Notes - carbon copy (undated)
- PHYSICS
- (Rejected) manuscript on Brownian Movement - Sept. 20, 1913
- Notes on the Theory of Electricity and Magnetism - Feb. 17, 1917 (mainly empty)
- Solutions of Problems From Jean's Electricity and Magnetism - 1917? (mainly empty)
- Notecards: Periods in the History of Human Thought - 1922?  
3 periods: 1. pre-scientific; 2. semi-scientific; 3. scientific
- The Universe and Man - Nov. 17, 1930  
notes and outline, p. 21-84  
Includes: p.iii-15 - "Literature In The Encyclopaedia Britannica"(1913-21)
- The Universe and Man - Jan. 31, 1931 - Feb. 8, 1931  
from preliminary notes of Nov. 17, 1930
- The Universe and Man - Apr. 15, 1932  
"employs earlier notebooks"
- The Bearing of Modern Physics on Philosophy and Religion (undated)  
makes references to "The Universe and Man" delivered to Faculty Forum?

handwritten remarks and typed speech

PHILOSOPHY OF LIFE

Notes for a Philosophy of Leisure (Nov. 24, 1933 - Jan. 28, 1934)

Includes: Notes for Rotary talk, Champaign, IL, Dec. 26, 1933, p.114a

Clippings relating to leisure - ca. 1933

Notes on Character, Conduct and Culture (Feb. 18, 1934 - Sept. 20, 1942)

A Philosophy For Life (undated)

"...push the call for conscience."

Box 9:

Wisdom - Notes by R. D. Carmichael (Nov. 20, 1935 - Dec. 19, 1935) (mainly empty)

Honor and Magnanimity

Notes collected by R. D. Carmichael (Apr. 2, 1935 - June, 1935)

Social Process and the University (Feb. 8, 1936 - Dec. 20, 1936) (mainly empty)

Notes on Laughter and the Laughable (May 19, 1934 through July 1, 1934) mainly empty

Wilson Clippings, Vol. I - March 4, 1913-June 28, 1913

Wilson Clippings, Vol. II - July 4, 1913-Oct. 28, 1914

READING RECORD

Notes in connection With Durant's Story of Civilization (Mar. 2, 1936) mainly empty

Record of Reading (Sept. 1, 1927-54)

Notes of Miscellaneous Reading (Oct. 1912-17)

Notes to the Encyclopaedia Britannica, probably the 11th edition, Index (undated)

Readings in Encyclopaedia Britannica, 14th edition (Sept. 26, 1929-?), Index

Material for After-Dinner Speeches

Indiana University Alumni speech (Jan. 25, 1923)

Phi Beta Kappa Dinner speech (undated)

see also, p. 35-Addresses and Notes on the Theory of Relativity (Box 4L)

Chicago Section of the Math. Society at Chicago (Mar. 25, 1921), Introducing G.A. Miller,

J.B. Shaw, Dunham Jackson, and E.H. Moore

R.D.C.'s remarks

Notes for Addresses, Speeches and Talks, Vol. I (Nov. 31, 1924-Dec. 26, 1933)

Notes for Addresses, Speeches and Talks, Vol. II (May 4, 1929-Nov. 1, 1931)

Includes: p. 101 - "Record of Reading" (1954-57)

Notes Suitable For Use in Preparing Essays (Nar. 23, 1929-May 1, 1932) Includes: P. 109-"Faculty, 1930: A Discussion of Religion As It Relates Itself to Life" (Remarks mainly by R.D.C. as chairman) (Feb. 7-Mar. 13, 1930)

Essays and Address (Sept. 19, 1935-Mar. 14, 1938)

Includes: p. 57-98 - "The Function of the Graduate School" (Mar. 6, 1938)

Conversation Topics (Mar. 1, 1913)

Includes: p. 75 - "Notes on Philosophy"

Box 10:

Tentative Outlines (Nov. 12, 1912-summer 1917)

"...a wide variety of topics..."

"...miscellaneous notes..."

Includes: p. 54 - "Mathematical Conversation Topics"

p. 61 - "A Square Deal" (1916)

p. 63 - "Treating a Cow's Broken Horn" (msg. pp. 13-60)

p. 64 - "Plans for the New Year"

child's writing in pencil

INDICES

General Miscellany (1900?) (undated)

Includes: p. 101 - "Old Testament Types of Christ"

Index to Philosophy

Index to Mathematics and Physics (undated)

Untitled, Classified cyclopedia (undated)

Index

Index of General and Special Topics

Including Index Notes for Poems (Aug. 15, 1931)

Poems From Fifty Years, Vol. I., typed copy

Poems From Fifty Years, Vol. II., typed copy (table of contents only)

Sonnets, typed copy

What Is Man?

Folder A - pp. 1-144

Folder B - pp. 145-320

Folder C - pp. 321-509

Correspondence Relating to What Is Man? (Dec. 20, 1949-Mar. 6, 1951)

POETRY MANUSCRIPTS

The Bhagavadgita

A Paraphrase in English Verse, typed copy

The Cotton Bolls, typed copy

Later Poems, Vol. I, pen copy, early draft of material, 1950

Man and the New Atomic Age, typed copy

Miscellaneous Verses, typed copy

Odes, typed copy

On Reading Thoreau (June 10, 1945), typed copy

Box 11:

ESSAYS (alphabetical)

The Bearing of Modern Physics on Philosophy and Religion

Character and Ethical Tolerance

Cumulative Knowledge and Impression of Values

Education and Public Welfare

Educational Inertia

On the Belief in Immortality

Some Remarks on Subject-Matter Preparation of High School Teachers  
 Values in Human Experience  
 Causality - Memorandum A-G, (Aug. 17, 1936)  
 Commentary on Planck  
 (Education/the University?) - Memorandum A-H, (May 23, 1937)  
 Discovery of the Freedom to Inquire  
 Working notes and drafts with related clippings, 1936  
 The Prospect of Human Progress - manuscript (1919)  
 The Prospect of Human Progress, typed copy  
 A collection of essays intended for publication  
 Letter of rejection, May 15, 1919, from Houghton Mifflin Company  
 The Universe and Man  
 Ch. I-V  
 Ch. VI-XI  
 Ch. XII-XVI

Box 12:

## MATHEMATICS

Linear Differential Equations of Infinite Order  
 v. I - General and miscellaneous notes, handwritten, "notes"  
 started Oct. 8, 1933-Dec. ?, 1934  
 Includes: Dissertation suggestions  
 Linear Differential Equations of Infinite Order  
 v. II - Equations With Constant Coefficients  
 "Notes", Handwritten  
 Started Sept. 4, 1934-Dec. ?, 1934 and Dec. 9-13, 1936  
 Includes: Dissertation Suggestions  
 Linear Differential Equations of Infinite Order  
 v. III - Equations With Polynomial Coefficients  
 "Notes", handwritten  
 Started Sept. 4, 1934 - Nov.?, 1934  
 Includes: p. 51-94 - Comments on Multiply Transitive Groups,  
 Started Jan. 1, 1955-Jan. 19, 1955 and more Nov. 11, 1955  
 Linear Differential Equations of Infinite Order  
 v. IV - Equations With Analytic Coefficients  
 Notes, handwritten  
 Started Sept. 4, 1934-Nov. ?, 1934  
 Linear Differential Equations of Infinite Order  
 v. V - Other Types of Equations and Operations  
 Notes, handwritten, started Sept. 4, 1934-June, 1935  
 Lambert Series, I [and some congeners (sic)]  
 Handwritten  
 Work book with Dissertation Suggestions, and Indexing - started Aug. 17,

1935-Sept. 10, 1935

Includes: p. 369-413: Further Application of Ternary Forms - started Dec. 18, 1946-Mar. 30, 1947

Lambert Series, II, Notes by R.D. Carmichael (Nov. 30-Dec. 5, 1936), handwritten  
Abelian and Tauberian Theorems I

Working Notebook, handwritten, Jan. 29, 1937-June 30, 1937

Insert: Abelian and Tauberian Theorems

Notes for an address at Nashville, Tenn., Apr. 17, 1937

Abelian and Tauberian Theorems, II

Handwritten, May 2-6, 1937

Includes: Autobiography For My Children, Grand-Children, and Great-Grandchild - discontinued - p. 41f

Includes: On The Growth of My Life - p. 97f

appears to contain first drafts and notes for writing as well as memoranda the writing itself

Box 13:

Quadratic Forms - vol. I [numbers of the form  $ax^2 + by^2 + cz^2 + dt^2$  and its congeners, I] handwritten  
research work book (July 6-Sept. 16, 1937)

Quadratic Forms - vol. II, handwritten research work book (Aug. 27-Dec. 8, 1937)

Memorandum: Mar. 3-27, 1939

Quadratic Forms - Index Volume, handwritten (started Sept. 1, 1937)

Quadratic Forms - vol. IV, research work book (Oct. 17-Dec. 5, 1937, Apr. 13-May 18, 1947)

Quadratic Forms - vol. V, "Research work book" (Nov. 29, 1937-Aug. 6, 1941, May 3-10, 1946)

Quadratic Forms - vol. III, "research work book" (Oct. 1, 1937-Apr. 13, 1947)

Comments on Positive Quadratic Forms - V. I., handwritten; book manuscript? (Oct. 20-Nov. 25, 1946), includes: pp. 111-190 - On a Method of Constructing Certain Remarkable Configurations: And the Groups Defined by them, handwritten (Oct. 3, 1960-Apr. 22, 1964)

Comments on Positive Quadratic Forms - V III: tables, handwritten (Nov. 13, 1946-June 1, 1947)

Comments on Positive Quadratic Forms - V IV: Comments on the tables, handwritten (Dec. 1, 1946-June 9, 1947)

Note: vol. II missing?

Notes on Multiply Transitive Groups, II, handwritten, started Dec. 1, 1952-Feb. 21, 1956, includes: Known Simple Groups of Composite Order Not Exceeding 1,000,000,000 pp.271-275, Apr. 24, 1958; Limits to a Degree of Transitivity, pp. 278-280, Dec. 12, 1953; Orig: Notes Looking Toward a History of Groups of Finite Order, Chapter XXI - special classes of groups (unused)

Multiply Transitive Groups, I, started Oct. 24, 1948-Dec. 25, 1948; Related matter in "Finite Groups Based on Tactical Configurations", pp. 399-463, July 25-Nov. 19, 1948; included in older notebook of Sept. 13, 1932-Mar. 14, 1933; Orig: Notes looking toward a History of Finite Order; Chapter XXII - General Properties of Finite Groups of Linear Substitutive (unused)

Multiply Transitive Groups, I, started Oct. 24-Dec. 25, 1948; Related matter in "Finite Groups Based on Tactical Configurations", pp. 399-463, July 25-Nov. 19, 1948; included in older notebook of Sept. 13, 1932-Mar. 14, 1933; orig: Notes looking toward a History of Finite

Order; Chapter XXII - General Properties of Finite Groups of Linear Substitutive (unused)

Box 14:

On Certain Types of Multiply Transitive Groups, handwritten (June 17, 1959-Apr. 1, 1963)

Summation of Functions, handwritten - ink (June 18, 1931-Mar. 12, 1932) (also called special manuscripts, vol. I)

Notes on the Summation of Functions and Related Matters, handwritten (Nov. ?, 1931-June 10, 1932) (special manuscripts, vol. II)

Finite Integration, or The "Sum" of a Function, handwritten, (Apr. 19-Oct. 1, 1931), Contents include: Chronology of Papers, Abstracts of Papers, Miscellaneous Notes, Historical Outline, Notes for Lectures, Exposition of the Theory (also called Special Manuscripts, vol. III)

The Theorem of Picard and Its Extensions, handwritten - ink (June 16-July 31, 1929, resumed Apr. 11, 1934 and Jan. 6, 1936) (Special Manuscripts, vol. IV)

Thirty-Six Research Topics (June 11-Dec. 2, 1932), includes notes on students engaged in related topics (also called Special Manuscripts vol. V)

Index to Special Manuscripts (Dec. 8, 1931-?) "to be covered by this index"

vol. I - Summation of Functions

vol. II - Notes on Summation of Functions

vol. III - Finite Integration

vol. IV - The Theorem of Picard and Its Extensions

vol. V - Thirty-Six Research Topics

Lecture Notes on the Theory of Elliptic Functions (1921?), includes: On Functions Having a Multiplication Period (started Nov. 7, 1921)

Applications of Elliptic Functions to Number Theory and Certain Related Matters, handwritten - ink (started Feb. 4-Apr. 25, 1930, resumed Aug. 15, 1935)

Solutions of Problems in Elliptic Functions From W and W Modern Analysis, includes notecards with "General Assignment of Each Student" - name, assignment, grade

Notes on the Literature of Boundary Problems in One Dimension, with copy with notes - Algebraic Guides to Transcendental Problems by R.D.C., representative, Bulletin American Math. Soc., v. 28, no. 4 (Apr.-May, 1922)

Boundary Value and Expansion Problems: Algebraic Basis of the Theory

Repr. Am. Journal of Math., v. 43, no. 2, Apr. 1921

Formulation of Various Transcendental Problems

Repr. Am. Journal of Math., v. 43, no. 4, Oct. 1921

Boundary, etc.: Oscillations, comparison and expansion theorems, repr. AJM, v. 44, no., Apr. 1922

Extension of the Sturm-Liouville Expansion by Chester Claremont Corp., repr. AJM, vol. 44, no. 1, Jan., 1922

Index to Bibliography of Boundary Values and Expansion problems, and the related theorems of oscillation and comparison (started Apr. 28, 1922); -to cards and page of book or article

Boundary Value and Expansion Problems, Mar. 10, 1921-?

Notes on Transcendentally Transcendental Functions or Hypertranscendental Functions (1917?)

An Algebraic Guide to Certain Transcendental Problems (started Nov. 29, 1919), rough notes,



"Preliminary notes of this character...made during summer and fall of 1919 in connection with my lectures on Differential Equations" for possible publication

An Algebraic Guide to Certain Transcendental Problems - vol. II, rough notes - To be used in address as retiring chairman of the Chicago Section of the American Mathematical Society (p. 187)

Notes on Dickson's Finite Algebras - vol. II (undated)

Notes on Goursat's Cours d'Analyse Mathematiques (Jan. 1919)

Transitive Groups of Prime Degree and Certain Related Groups (started Jan. 2, 1927)  
"Investigation"

### Box 15:

Lecture Notes by R.D.C. (1910-1911) on:

Differential Equations of Physics, by G.D. Birkhoff (Sept. 29?-May 13?)

Theory of Algebraic Numbers, by H.B. Fine (Sept. 26-Jan. 25)

Philosophy Course, by J.G. Gibbin (sp.?) (Oct. 14, 1910-Mar. 30, 1911)

Includes: Notes on differential Geometry and on Linear Groups (cover title on back)

Lectures on Differential Equations

A course of lectures delivered at Indiana University in the fall term (1911),  
Handwritten/bound volume, Cover title: Carmichael's Lectures; Differential  
Equations: Fall 1911

Research Topics in Differential Equations (started Dec. 9, 1916), includes: p. 35 - electricity; p. 43 -  
wave motion

Notes in Connection With Lectures on Harmonic Functions

Includes: The Partial Differential Equation of Wave Motion, p. 61

Cover: Equation of Wave Motion

The Partial Differential of Wave Motion (Sept. 1-Oct. ?, 1918), 2nd black: p. 75, Chapter VIII, 49,  
the Fcns, snx, cux, dux

pp. 1-74, in small black notebook: Notes in Connection with lectures on Harmonic  
Functions

Notes For Summer Course in Differential Equations, prepared in 1919-20

Research topics suggested in connection with the course in Differential Equations (1919-20)

Notes in Connection With Lectures on Differential Equations (1924-25)

Includes: outline of my summer course on partial differential equations

method of treatment

special assignments

suggested investigations

Notes for lectures on differential equations (2nd semester, 1922-23), used also for notes for some  
things in S104 in summer, 1929, Folder

Notes on Linear Differential Equations, Real Variables

vol. I, notes, handwritten (started May 27, 1927 for 1927-28 lectures)

vol. II, missing?

Linear Differential Equations Functions of One Real Variable

Notes on lectures delivered in 1930-31

- Includes: general term assignment, Research topics, p. 45-50
- On the Zeros of Solutions of Ordinary Linear Differential Equations  
Handwritten (started Feb. 16-June 10, 1931 and Nov. 1, 1933)
- Automorphic Differential Equations, handwritten, started May 30, 1934 through June 22, 1934  
Includes: Notes on Nature and Natural Phenomena, p. 51ff.  
Mathematical Notes, p. 101 ff.(Dec. 9, 1960-Jan. 30, 1961)
- Lectures on Differential Equations (July 4, 1936-Feb. 20, 1937), handwritten/record volume
- Notes by R.D.C. on Ordinary Linear differential Equations Lectures by G.D. Birkhoff from Princeton University ("blue book" inserted) (undated)
- Lectures on Difference Equations  
A course of lectures delivered at Indiana University (fall 1911), handwritten/bound volume,  
Cover title: Carmichael's Lectures; Difference Equations; Fall 1911
- The Theory of Linear Difference and q-Difference Equations  
In three volumes, vol. I - ditto, with handwritten notes, prepared principally in 1914, note;  
IV not finished
- Identities Arising From Solutions of q-Difference Equations  
handwritten-ink, "...for lectures...and also suggestions for researchers" (started Jan. 30, 1929), Includes: Invariance of equations  
 $y^4 + py^1 + gy = 0$ , pp. 105-178 (undated)
- Expansions in Orthogonal Functions in the Difference Calculus  
Handwritten-ink (started May 30-Nov. 14 1931), "If the general theory goes through in satisfactory form it may be well to use the following for the title of the resulting memoir: Boundary Value and Expansion Problems Arising From Linear Difference Equations." "see also pp. 211-220 of 'Thirty-Six Research Topics' "(Box 14)
- Untitled Notebook on q-difference equations (Jan. 1936)
- Research topics in the theory of difference equations (undated), Includes: notes concerning dissertations
- Notes on Linear Difference Equations With Constant Coefficients (undated) (empty)
- General Subject? Lectures on Linear Difference Equations With Rational Coefficients (started Dec. 1912?) note pads with two brass brads, Includes: Notes for Difference Equations
- Untitled, (problem) on subject of linear difference equations, bibliographic note pad with one brass brad  
Front: Bibliography of Difference Equations arranged according to authors Back: Author Index to the Literature of Functional Equations (undated) note pad with two brass brads
- Research Topics Connected With Series of the Form  $C_n g(x + n)$  started Jan. 22, 1917
- On the Nature and Use of the Series of the Form  $C_n$  -----  
Folder (Mar. 5, 1917), Includes: On Sequences of Polynomials Defined by Recurrence Relations

Box 16:

- Lectures on the Theory of numbers, handwritten/bound volume  
A course of lectures delivered at Indiana University in the second half of the summer term,

1911 (spine title: Carmichael's lectures; Theory of Numbers; Summer 1911)

Number Theory Tables

"The object of the tables is to preserve the results of reckoning carried out in the hope of discovering laws involved in certain arithmetic forms, etc.", Includes: Expansion Problems, pp. 201-? (192?) (p. 323)

Researches in the Theory of Numbers (June 23, 1930-Feb. 2, 1931), Includes: "Memoranda Relating to Waring's Problem", p. 88-94 (May 11-12, 1935), contents include: "On A question Related to Waring's Problem" p. 43-54 (July 8, 1930)

Lectures for Orienting a Learner With Respect to the Theory of Numbers with Special Reference to the Needs of Secondary School Teachers (Feb. 3-Nov. 21, 1935) "Beginning on p. 351 are notes for course as it was given in SS 1937."

Applications of Ratio Difference Equations in the Theory of Numbers (Nov. 28, 1935-July 4, 1937)

"Work preliminary to the writing...recorded in other notebooks, especially the one on Lambert Series started on Aug. 17, 1935." (Lambert Series I) Dissertation Suggestions - p. 33, 161 Verso-tp. - "In connection with these lectures..." - Is this a "lecture" notebook?

The Additive Theory of Numbers (Apr. 18, 1936-Sept. 3, 1960)

"Notes", Includes: On Multiply Transitive Groups of Prime Degree (Oct. 15, 1955) p. 75

Empirical Tables and Theorems in the Theory of Numbers

Notebook for S124 in SS1937, U. of Illinois, Includes additions by: Vivian Hess (p. 113), Emma Mae Large (p. 114-5), Clyta M. Schmidt (p. 114-5)

Ordinary Theory of Numbers Being an Investigation of the Nature and Properties of Real Numbers (Integral) (undated), from note of later date: "used as a general work-book for some years, up to the later years preceding the study at Princeton.", Includes: "some material prepared for use in educational journals"

Pp. D-V - Notes on Bird Families

139-155

189-198

209-210

Missing Pages

25-28, 51-62, 71-72, 75-76

89-90, 101-104, 125-126, 151-154

201-208, 221-226, 235-23

245-246, 255-256, 273-276,

285-286, 295-296, 305-306,

315-316, 329-332

Research Topics in Number Theory (undated), noted if used

The Theory of Numbers

"This notebook is for the Ms. of Chapter III of vol. I"

insertion: "This notebook is for the Ms. of Chapter IV of vol. I", in folder (undated)

Finite Groups Suggested by Finite Geometries, vol. I (started May 8, 1924), "to record notes from the literature"

Finite Groups Suggested by Finite Geometries, vol. II (May 6, 1924) "miscellaneous notes"

Finite Geometries and the Theory of Groups, handwritten-ink (started Dec. 18, 1925; resumed Aug. 8, 1948), Includes: "On Transitive Groups of Degree 19", pp. 105-111 (Aug. 12-17, 1948)

An Introduction to the Theory of Finite Groups, handwritten-ink (Feb 17, 1926)

Preface: "...introductory book on the theory of finite groups", heavily noted mss., folder

An Introduction to the Theory of (Groups of Finite Order - pencil) Finite Groups, handwritten-ink,

"to contain certain text of the following chapters: Chapter I, II, III, IV, V, (July 30-Sept. 29, 1927)

An Introduction to the Theory of Finite Groups (Sept. 30-Oct. 4, 1927)

"to contain the text of...

Chapter VI - Permutation groups

Chapter VII - Defining relations for abstract groups

Chapter VIII - Groups of linear transformations

Chapter IX - Golor's Field's

Chapter X - Groups of isomorphisms of Abelian groups of order  $p^n$  and type  $(1, 1, \dots, 1)$

An Introduction to the Theory of Finite Groups, to contain chapters XI-XV

insertion: notes looking toward a History of Groups of Finite Order

Chapter XIX - Generators of Groups

### Box 17:

Notes Looking Towards a History of Groups of Finite Order

History of the Theory of Finite Groups

notes on plan of work (undated), folder

Notes looking toward a History of Groups of Finite Order

Handwritten (Dec. 16, 1926-?), "To contain notes for Preface, Introduction, Chapter I - the work of Lagrange and his contemporaries; Chapter II - the work of Ruffini and Abel and their contemporaries."

Notes looking toward a History of Groups of Finite Order (undated) - ca. April 1928

"to contain notes for:

Chapter III - The Contributions of Galois

Chapter IV - The Contributions of Cauchy and some of his contemporaries

Chapter V - The Decade from 1851 to 1860"

Notes Looking toward a History of Groups of Finite Order (empty), worked on Feb. 18, 1927)

To contain: Chapter XVII - Class of Permutation Groups

Chapter IV - Continuation from p. 200-247 of the notes of Chapter IV in the second volume

An Introduction to the Theory of Groups of Finite Order (June 1, 1928-June 15, 1929), Includes: glued-in correspondence - Marshall Hall, Jan. 18, 1942

Notes looking toward a History of Groups of Finite Order (?-June 3, 1929), handwritten, "to contain notes on Chapter XXVII - Congruence Groups, Finite Geometrics"

Index to Notes on the Theory of Groups (undated), Author Index, Subject Index Finite Groups

Based on Tactical Configurations (started Sept. 13, 1932-Mar. 14, 1933, resumed July 25-Nov. 19, 1948; Mar. 3, 1953; Aug. 18, 1954; Aug. 4-29, 1955 "Note the relation of the 1948 entries to the earlier work in this notebook - connecting them with the major scientific loss due to administrative work - Oct. 23, 1956"

An Introduction to the Theory of Finite Groups, p. 1-47 Solutions of Exercises from

also: Tactical Configurations, vol. II (Aug.-Sept. 1932?)

p. 51-82

p. 51-111 - transferred to other notebook: Finite Groups Based on Tactical Configurations

Empirical Theorems in the Theory of Finite Groups

Notebook (Nov. 3, 1928-?), Includes: theorems put down by conjecture to be tested later  
Integral Functions of Finite Order (Aug. 1, 1932-Apr. 30, 1933), handwritten  
Work Notes 1954 and later

p. 31-81, handwritten-ink, (Sept. 27-Oct. 23, 1954)

Orig: Notes looking toward a History of Groups of Finite Order, Chapter XVIII - Representation of a Group of Finite Order as a Permutation Group Work "given up on account of certain responsibilities which I had assumed in the University of Illinois"

Solution of Exercises in Groups of Finite Order (June 1-Sept. 1, 1928), handwritten-ink

Glued-in letter, p. 294-5: Ernest T. Parker  
1302 Asbury Avenue  
Evanston, IL April 10, 1951

Day Book

Notes on mathematical reading (Nov. 6, 1909), Includes: Subjects for research  
Record of Mathematical Reading (May 1, 1913-1919)

American Mathematics Monthly Manuscript Record (Jan. 8, 1916, Aug. 6, 1918)

Comments on and record of, chronological, author entry

Notes for One Hundred Lectures on Mathematics for General Culture (Jan. 1919)

Notes for Monographs on Mathematics (May 14, 1918-Feb. 3 1919)

General Considerations Relating to Mathematics (started July 1918)

topics include: general math study, scientific research, Maxime Bocheo

also: the unification of first year college mathematics, suggestions for improvement in Math. Department, Mathematics Members of the National Academy, Books for Basic Math. Readings

inserted: Correspondence to E.R. Hendrick relative to a revision of review of RDC appearing in Bulletin (Feb. 26-Mar. 16, 1921)

Even Multiply Perfect Numbers of Five Different Prime Factors (undated), manuscript

Multiply Perfect Even Numbers of Five Different Primes (undated), manuscript

Box 18:

Group Theory, p. 1-100, Includes: Notes to Accompany Hagen's Synopsis der Hoheren Mathematick, P. 101-? (undated), has been used to press leaves; large, leather-bound ledger

Bibliographical Notes on Factorial Series and Related Matters (1906?-1920)

Lecture on the Calculus of Variations, handwritten/bound volume, A course of lectures delivered at Indiana University in the first half of the summer term, 1911, Spine Title: Carmichael's Lectures; Calculus of Variations; Summer 1911

Note on the Lo place Transformation and Related Matters (1916?), bibliographic

Bibliography of Divergent Series: Sum mobility, asymflotive Series (sp?) (?-1918)

Notes on Mixed Equations (1918?), bibliographic, research suggestions pp. 55-7

Notes on Stieltjes Integrals and Hellinger Integrals (1918?), Includes bibliography

- Infinite Processes: Notes for Research Club or Seminar (Sept. 1919), p. 1-4 deal with general math. and educational considerations of such a group
- Research Notes on Finite Integration (July 26-27, 1921)
- Tactical Configurations and Certain Associated Groups (Apr. 4-Fall, 1927?), "to be followed by a part of a new notebook with title Tactical Configurations, vol. II" (p. 18, bottom), Inserts from later periods, much "transferred" to other notebooks
- The Representation of Integers by Cyclotomic Forms (Jan. 30-Feb. 3, 1930, resumed May 4, 1930), Includes: p. 92-110 Certain Domains  $D_m$  - "...summary of class reports...assigned second semester of 1929-30" (Mar. 4-16?, 1930), p. 128 - on a Question Related to Waring's Problem "...rough indication of possible contents of a paper..." date?
- Notes on Goldbach's Conjecture and Related Matters (Oct. 22-Nov. 22, 1930), p. 1-98, 191-194 and Index 195-200; p. 84-98: Lambert Series and the Goldbach Conjecture (Mar. 29-May 17, 1936); Includes: Notes on Fermat's Conjecture, p. 99-108 (July 1-3, 1946)
- Characters Modulo  $K$  (Mar. 7-27, 1936), handwritten-ink
- Notes for Lectures on the Division of the Circle (May 23-June 28, 1936), Includes: Rough working notes, p. 209 (Jan. 24-Mar. 8, 1951)
- Construction of Groups by Aid of Configurations (Oct. 30, 1954-May 12, 1959), handwritten, Orig: Notes looking toward a History of Groups of Finite Order Chapter XII - Abelian Groups
- Complete  $x$ - $m$ - $v$  Configurations and the Groups Defined by Them  
Handwritten, started Dec. 12, 1956 through Jan. 29, 1957  
Orig.: Notes looking toward a History of Groups of Finite Order Chapter XIII. - Groups Whose Orders Are Powers of Prime Numbers (unused) ("omit")
- On the Construction of Simple Groups by Aid of Smaller Simple Groups  
Handwritten, started Feb. 5, 1958 through Mar. 4, 1958, resumed July 29, 1962 through Aug. 26, 1962  
Orig.: Notes looking toward a History of Groups of Finite Order, Chapter XI - Isomorphisms (unused)
- Notes by R. D. C. on analytical Mechanics Lectures by E.P. Adams, date?
- Notes on the Bibliography of Integral Equations, date?  
Note pad with two brass brads
- Rough notes on the Expansion of Analytic Functions In Series  
Date?-1919? (p. 6A)  
Includes: Rough notes on lectures of Prof. Vito Volterra, University of Illinois, Nov. 12-17, 1919
- Some Miscellaneous Temporary Notes on Diophantine Analysis - Utilized and cancelled, date?
- First drafts of articles: National Temperament in Scientific Investigation  
p. 45-52  
msg.: p. 17-40  
Includes: notes on and reviews of other men's books
- Correspondence Notes Relating to Diophantine Analysis  
(included in notebook)  
Artemas Martin (Washington, DC) date?  
L. E. Dickson (U. of Chicago) March 24, 1929

H.J. Ettliger (U. of Texas) Sept. 26, 1934  
 H.W. Becker (Omaha, Neb.) Feb. 17, 1951  
 The Alabama Poets, p. 13-26  
 Generators of Finite Groups, p. 31-101, started Oct. 23, 1920  
 Notes on Biorthogonal Functions, p. 103-104  
 Cover title: Alabama Poets  
 Notes on: (1910)  
     Integral Equations  
     Mixed Equations  
     Subjects for Research  
     Asymptative Expansions  
     Birkhoff's Papers  
     Carmichael's Papers  
 Reciprocal Trajectories; Infinitely Many Variables and Equations; q-Difference  
 Equations, started post - 1910?  
     Bibliographic notes  
 Notes on Finite Integrals  
 Notes on Linear Difference Equations of the First Order  
     Date? Empty  
 Notes - Miscellaneous Mathematical, "for work 1908-1909"  
 Working Notes; Topics for Research, Aug. 31, 1910 - Nov. 1912  
     Includes: notes if paper written, or used for thesis  
 Research Topics  
     Includes: p. 15 - Physics; p. 13 - Taxation, p. 49,63 - electricity started Nov. 12, 1912  
     Includes notes concerning dissertations  
     Includes: Expansion Problems, p. 111, Sept. 27, 1921 through?  
     Cover title: Expansion Problems  
 Mathematical Intelligence Questions or Mathematical Teasers, started Nov. 24, 1927  
 Untitled S-E Ledger  
     crossed out t.p.: Companion Curves and **Surfaces**  
     cover: Lessley Carmichael, 192?  
     msg.: 1-14  
     p. 15-106  
     p. 109 f. - drawing and writing of a child, Lessley (daughter?)  
 Miscellaneous Notes, May 30, 1930-July 28, 1930  
 Computation Miscellanies  
     Handwritten-ink, started July 28, 1935 through Aug. 14, 1935  
     Cover title crossed out; Student's Guide to the Encyclopedia Britannica  
 Bibliographies (notebook) - Date  
     On various mathematical subjects

Box 19:

Untitled S-E Ledger for Math from May 28, 1904

- tables  
 p. 302 and f.: Notes for Each Month in Nature Study Series
- Mathematical Notes  
 Date? 1905? (p. 400)  
 msg: p.?-34, p.111-118, 143-148, 241-246, 275-278, 361-364, 381-384  
 Includes: Britannica Course in Mathematics and notes on reading and problems in  
 American Mathematics Monthly  
 On cover: Literary Odds and Ends by R.D. and Eula Carmichael
- Memorandum on "material prepared for Gershorn "from Aug. 31, 1937 to Oct. 9, 1937  
 Includes : Oct. 17, 1937 - Remarks on Triangular Numbers
- Miscellaneous Mathematical Notes  
 Handwritten-ink, started Mar. 19, 1952 through Sept. 20, 1954  
 Orig.: Notes Looking Toward a History of Groups of Finite Order, Chapters XVI -  
 Primitivity of Permutation Groups, p. 201-215
- Table and Formulas for Students of College Mathematics, Date? Folder
- Untitled small notebook  
 Cover: Carmichael  
 Original title scratched out, initial pages msg.
- Scratch Work in Mathematics, Oct. 31, 1959 - Apr. 1, 1961  
 Includes first draft of letters on current experience, Second Series, letter 14 - Mainly About  
 a Man From Clay County Alabama
- Note Cards in File Boxes:  
 Box A - Subject: Group Theory bibliographic citations and notes by Chapter - I-XXVII  
 Box B - Group Theory, continued, Chapter XXVIII-XXX  
 - Notes for A History of the Difference Calculus , bibliographic citations and notes  
 by chapter - 1-25  
 A Bibliography of the Difference Calculus  
 - Notes on the Theory of Relativity - started Nov. 12, 1921, bibliographic citations  
 and notes chronological - 1900-1908
- Box 20:
- Notes on the Literature of the Theory of Finite Groups, bibliographic citations notes chronological -  
 1659-1921
- Box 21:
- Box C - Theory of Relativity - continued, 1909-1922  
 Box D - Bibliography of Boundary Problems in One Dimension and the Related theorems of  
 comparison and oscillation bibliographic citations and notes chronological - 1850-1925  
 Box E - Boundary Value and Expansion Problems II bibliographic citations and notes chronological  
 - 1850-1925  
 Box F - Number Theory, bibliographic citations and notes, chronological - 1899-1912, by topic



Box 22:

The Outline of Mathematics, with many illustrations in two volumes, Vol. I. and II., Date?

First Draft, handwritten manuscript with working notes, plans

Folder A - Vol. I., pp. i-150

Folder B - pp. 151-Vol.II., p. 175

The Outline of Mathematics, with many illustrations, in two volumes

Nov. 1, 1923

Typed manuscript of first volume with cover letter of submittance to the Macmillan Company for examination; includes suggested illustrations

Folder A - pp. i-104 and cover letter to publisher

Folder B - pp. 105-235

Folder C - pp. 236-330

Chapters I and II of Untitled Manuscript, 63 pages, ditto copy, typed

Chapter I - Elementary Properties of Integers

Chapter II - Congruences. Theorems of Fermat and Wilson. Primitive Roots. The Law of Quadratic Reciprocity.

Reprints - Mathematics articles by others, 1922-1954

Publications:

Some Publications by R. D. Carmichael

("Appendix B" to Growth of My Life?)

Chronological list:

I. Mathematical Memoirs

II. Other Mathematical Articles

III. Scientific Addresses and Essays

IV. On the Philosophy of Science

V. Books

Publications of An Ethical Character, 1913-1914, notebook

A Chronological List of Scientific Writings, 1905-1939, notebook

Includes list of persons to whom to send reprints

Bound Volume of Carmichael's Collected Papers, 1906-1913

Including copy of Dissertation Presented for Ph. D. at Princeton, 1911

"Linear Difference Equations and their Analytic Solutions"

Publications by Carmichael, Chronological List

Publications,

1912-13

1914

1916

1917

1918

1919

1920

1921

1922

1923  
 1924  
 1926  
 1928  
 1930  
 1931  
 1933  
 1934  
 1935  
 1936  
 1938

An Expectant Creation (poem)

Comet Press Books, N.Y., N.Y., 1953

Addresses - Manuscripts

Speeches and Addresses, chronological:

The Meaning of Graduate Study

Phi Delta Kappa Annual Summer Banquet - Aug. 3, 1933

Happiness

Wesley Foundation, Sept. 17, 1933

Consonance of Thought and Things

Sigma Xi, May 25, 1934

The Persons You Might Have Been, and Those You Yet May Be

Wesley Foundation, Sept. 22, 1935

Introducing a Poet (James Stephens)

not given, Fall 1935

Knowledge and Wisdom

Phi Kappa Phi, Dec. 16, 1935

Memorandum

Lake Shore Athletic Club, Chicago

College of Dentistry, U of I Alumni Dinner, Dec. 2, 1936

Education and the Social Process

Kappa Delta Pi, Jan. 16, 1937

Functions of the Graduate School

Preliminary Conference on Higher Education, U of I, Apr. 26, 1938

Consonance of Thought and Things

Sigma Xi, Michigan State College, May 23, 1939

Address to the Graduate Teaching Faculty, date?

Mathematical Thought and the Theory of Numbers

Marquette University, date?