

Guide to the Harold J. Morowitz papers, 1968-2011 C0049

Harold J. Morowitz papers
1968-2011



Title Statement

Guide to the Harold J. Morowitz papers, 1968-2011 C0049

Subtitle: Harold J. Morowitz

Author: Eron Ackerman. Updated by Greta Kuriger Suiter in August 2013.

Publication Statement

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Profile Description

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Descriptive Summary

Unit ID

C0049

Unit ID

/repositories/2/resources/143

Unit Date

1968-2011

Language

English .

Abstract

The collection includes a draft copy of *Energy Flow in Biological Systems* (published as *Energy Flow in Biology*), including chapter and appendix notes, calculations for mathematical operations, and correspondence between the author and his editor; a draft copy of *Beginnings of Cellular Life*, including the index and notes; a draft copy of *The Facts of Life* with the author's copy and the original artwork for the illustrations; and working papers, correspondence, and other documents pertaining to his academic career including original poetry written by Morowitz.

Creator

Morowitz, Harold J.

Extent

12 Linear Feet (17 boxes)

Repository

George Mason University. Libraries. Special Collections Research Center

Administrative Information

Access Restrictions

Collection is open to research.

Use Restrictions

There are no restrictions.

Acquisition Information

Collection donated by Harold Morowitz in 1997-1998. Additional donation by Harold Morowitz in 2011.

Processing Information

Processed by Special Collections and Archives staff. EAD markup completed in February 2009 by Eron Ackerman and Jordan Patty. Finding aid updated by Greta Kuriger Suiter in August 2013.

Preferred Citation

Harold J. Morowitz papers, Collection #C0049, Special Collections and Archives, George Mason University Libraries.

Biographical Information

Harold J. Morowitz is a biophysicist and Robinson Professor in Biology and Natural Philosophy at George Mason University. Born in Poughkeepsie, N.Y., on December 4, 1927, Morowitz graduated from Poughkeepsie High School in 1944. He studied at Yale University starting in 1948 and earned his Ph.D. in 1951. From 1951-1953 he was a physicist at the National Bureau of Standards. Morowitz was on the staff of the National Heart Institute from 1953-1955 before joining the faculty of Yale University in 1955. At Yale, Morowitz was associate professor of biophysics (1960-1968), professor of molecular biophysics and biochemistry (1968-1988), and master of Pierson College (1981-1986). He joined the faculty of George Mason University in 1988 as a Robinson Professor. Since 1993, Morowitz has directed the Krasnow Institute for Advanced Study. Dr. Morowitz has authored and coauthored several books: *Life and the Physical Sciences* (with Waterman), 1964; *Theoretical and Mathematical Biology*, 1965; *Energy Flow in Biology*, 1968; *Entropy for Biologists* (with Lucille Morowitz), 1970; *Life on the Planet Earth*, 1974; *Ego Niches*, 1977; *Foundations of Bioenergetics*, 1978; *The Wine of Life*, 1979; *Mayonnaise and the Origins of Life*, 1985; *Cosmic Joy and Local Pain*, 1987; *The Thermodynamics of Pizza*, 1991; *Beginnings of Cellular Life* (with James Trefil), 1992; *The Facts of Life*, 1992; and *Entropy and the Magic Flute*, 1993.

Scope and Content

The collection includes a draft copy of *Energy Flow in Biological Systems* (published as *Energy Flow in Biology*), including chapter and appendix notes, calculations for mathematical operations, and correspondence between the author and his editor; a draft copy of *Beginnings of Cellular Life*, including the index and notes; a draft copy of *The Facts of Life* with the "author's copy" and the original artwork for the illustrations; and working papers, correspondence, and other documents pertaining to his academic career including original poetry written by Morowitz. Also included is research and correspondence from a project on the history of bioenergetics, for which Morowitz was awarded a Guggenheim Fellowship in 1980, and correspondence and documents relating to Biosphere 2.

Related Material

Special Collections and Archives also holds the [Carol D. Litchfield Microbiology collection](#) and the [Clarence E. Larson Science and Technology Oral History collection](#).

Keywords

Molecular biology
College teachers
Biophysics
Biochemistry
Poetry
Correspondence
Science -- Study and teaching (Higher) -- United States
Biosphere 2 (Project)
George Mason University
George Mason University--Faculty

Arrangement

Original order.

Description of Subordinate Components

Harold J. Morowitz papers

Unit ID /repositories/2/archival_objects/45241

Unit Date 1968-2011

Photograph of class portrait

Unit ID /repositories/2/archival_objects/45242

Unit Date 1966

Mixed Materials 1 (box)

Container 1 (folder)

Petition to Adlai Stevenson from Yale scientists and related correspondence

Unit ID /repositories/2/archival_objects/45243

Unit Date 1956-1957

Mixed Materials 1 (box)

Container 2 (folder)

Calculations for work at Yale; The Effect of Surfaces on the Equilibrium Constant of Chemical Reactions

Unit ID /repositories/2/archival_objects/45244

Unit Date 1960s

Mixed Materials 1 (box)

Container 3 (folder)

Chapters V and VI

Unit ID /repositories/2/archival_objects/45245

Unit Date 1966

Mixed Materials 1 (box)

Container 4 (folder)

Chapter III

Unit ID /repositories/2/archival_objects/45246

Unit Date 1960s

Mixed Materials 1 (box)

Container 5 (folder)

Calculations - Chapter IV

Unit ID /repositories/2/archival_objects/45247

Unit Date 1960s

Mixed Materials 1 (box)

Container 6 (folder)

Draft: Energy Flow in Biological Systems (1 of 2)

Unit ID /repositories/2/archival_objects/45248

Unit Date 1960s

Mixed Materials 1 (box)

Container 7 (folder)

Draft: Energy Flow in Biological Systems (2 of 2)

Unit ID /repositories/2/archival_objects/45249

Unit Date 1960s

Mixed Materials 1 (box)

Container 8 (folder)

A Thermodynamic Characterization of Self Reproduction (article)

Unit ID /repositories/2/archival_objects/45250

Unit Date April 1964

Mixed Materials 1 (box)

Container 9 (folder)

Lipids

Unit ID /repositories/2/archival_objects/45251

Unit Date 1960s

Mixed Materials 1 (box)

Container 10 (folder)

Appendix II (Steady State Analysis of an Evolutionary Model System)

Unit ID /repositories/2/archival_objects/45252

Unit Date 1960s

Mixed Materials 1 (box)

Container 11 (folder)

Dr. Morowitz

Unit ID /repositories/2/archival_objects/45253

Unit Date 1967

Mixed Materials 1 (box)

Container 12 (folder)

Scope and Contents note

Handwritten notes and correspondence

Dr. Morowitz

Unit ID /repositories/2/archival_objects/45254

Unit Date 1960s

Mixed Materials 2 (box)

Container 1 (folder)

Scope and Contents note

Notes for Energy Flow in Biological Systems

Energy Flow in Biological Systems chapter III draft

Unit ID /repositories/2/archival_objects/45255

Unit Date 1960s

Mixed Materials 2 (box)

Container 2 (folder)

Energy Flow in Biological Systems chapter IV draft

Unit ID /repositories/2/archival_objects/45256

Unit Date 1960s

Mixed Materials 2 (box)

Container 3 (folder)

Energy Flow in Biological Systems chapter V draft

Unit ID /repositories/2/archival_objects/45257

Unit Date 1960s

Mixed Materials 2 (box)

Container 4 (folder)

Energy Flow in Biological Systems chapter VI draft

Unit ID /repositories/2/archival_objects/45258

Unit Date 1960s

Mixed Materials 2 (box)

Container 5 (folder)

Draft of Beginnings of Cellular Life: Metabolism Recapitulates Biogenesis

Unit ID /repositories/2/archival_objects/45259

Unit Date 1992

Mixed Materials 2 (box)

Container 6 (folder)

Drafts of Beginnings of Cellular Life

Unit ID /repositories/2/archival_objects/45260

Unit Date 1992

Mixed Materials 2 (box)

Container 7 (folder)

Index for page proof of proof

Unit ID /repositories/2/archival_objects/45261

Unit Date 1992

Mixed Materials 2 (box)

Container 8 (folder)

Draft of The Facts of Life

Unit ID /repositories/2/archival_objects/45262

Unit Date 1992-1993

Mixed Materials 2 (box)

Container 9 (folder)

The Facts of Life: author's copy

Unit ID /repositories/2/archival_objects/45263

Unit Date 1992

Mixed Materials 3 (box)

Container 1 (folder)

Photosynthetic efficiency, a misuse of thermodynamics

Unit ID /repositories/2/archival_objects/45264

Unit Date 1970s-1980s

Mixed Materials 3 (box)

Container 2 (folder)

Salt melting (Halophilic bacteria)

Unit ID /repositories/2/archival_objects/45265

Unit Date 1992-1995

Mixed Materials 3 (box)

Container 3 (folder)

Prince William Institute

Unit ID /repositories/2/archival_objects/45266

Unit Date 1994-1995

Mixed Materials 3 (box)

Container 4 (folder)

Bioinformatics workshop

Unit ID /repositories/2/archival_objects/45267

Unit Date 1997-1998

Mixed Materials 3 (box)

Container 5 (folder)

Publications

Unit ID /repositories/2/archival_objects/45268

Unit Date 1968-2000

Mixed Materials 3 (box)

Container 6 (folder)

Frogs (1 of 2)

Unit ID /repositories/2/archival_objects/45269

Unit Date 1989-1998

Mixed Materials 3 (box)

Container 7 (folder)

Scope and Contents note

Workshop on declining amphibian populations, February 19-20, 1990

Frogs (2 of 2)

Unit ID /repositories/2/archival_objects/45270

Unit Date 1990

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Peace Agency

Unit ID /repositories/2/archival_objects/45271

Unit Date 1959-1961

Mixed Materials 4 (box)

Container 1 (folder)

Back contamination Apollo 11

Unit ID /repositories/2/archival_objects/45272

Unit Date June 4, 1969

Mixed Materials 4 (box)

Container 2 (folder)

Quastler, Henry

Unit ID /repositories/2/archival_objects/45273

Unit Date 1957-1963

Mixed Materials 4 (box)

Container 3 (folder)

Theoretical Biology Committee

Unit ID /repositories/2/archival_objects/45274

Unit Date 1969-1970

Mixed Materials 4 (box)

Container 4 (folder)

Theoretical Biology Colloquium - Traverse City, MI

Unit ID /repositories/2/archival_objects/45275

Unit Date 1968

Mixed Materials 4 (box)

Container 5 (folder)

Biology training for Apollo astronauts

Unit ID /repositories/2/archival_objects/45276

Unit Date 1958-1971

Mixed Materials 4 (box)

Container 6 (folder)

Medvedev

Unit ID /repositories/2/archival_objects/45277

Unit Date 1960-1961

Mixed Materials 4 (box)

Container 7 (folder)

Bronowski

Unit ID /repositories/2/archival_objects/45278

Unit Date 1973

Mixed Materials 4 (box)

Container 8 (folder)

A Germ of Truth manuscript

Unit ID /repositories/2/archival_objects/45279

Unit Date undated

Mixed Materials 4 (box)

Container 9 (folder)

Logue, Frank

Unit ID /repositories/2/archival_objects/45280

Unit Date 1976

Mixed Materials 4 (box)

Container 10 (folder)

Thomas, Lewis

Unit ID /repositories/2/archival_objects/45281

Unit Date June 9, 1976

Mixed Materials 4 (box)

Container 11 (folder)

Watson; Sinshiemer

Unit ID /repositories/2/archival_objects/45282

Unit Date June-July 1961

Mixed Materials 4 (box)

Container 12 (folder)

Kendrew, John

Unit ID /repositories/2/archival_objects/45283

Unit Date November 13, 1961

Mixed Materials 4 (box)

Container 13 (folder)

Gell-Mann, Murray

Unit ID /repositories/2/archival_objects/45284

Unit Date January 23, 1967

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Container 14 (folder)

Sagan, Carl

Unit ID /repositories/2/archival_objects/45285

Unit Date 1969; 1971

Mixed Materials 4 (box)

Container 15 (folder)

Palade, George

Unit ID /repositories/2/archival_objects/45286

Unit Date May 4, 1970

Mixed Materials 4 (box)

Container 16 (folder)

Mitchell, Peter

Unit ID /repositories/2/archival_objects/45287

Unit Date May 27, 1977

Mixed Materials 4 (box)

Container 17 (folder)

Nobel Prize

Unit ID /repositories/2/archival_objects/45288

Unit Date February 16, 1977

Mixed Materials 4 (box)

Container 18 (folder)

Lipmann, Fritz

Unit ID /repositories/2/archival_objects/45289

Unit Date July 14, 1977

Mixed Materials 4 (box)

Container 19 (folder)

Woese, C. R.

Unit ID /repositories/2/archival_objects/45290

Unit Date August-September 1977

Mixed Materials 4 (box)

Container 20 (folder)

Grasso, Ella

Unit ID /repositories/2/archival_objects/45291

Unit Date April 11, 1980

Mixed Materials 4 (box)

Container 21 (folder)

Vatican

Unit ID /repositories/2/archival_objects/45292

Unit Date December 12, 1986

Mixed Materials 4 (box)

Container 22 (folder)

Altman, Sidney

Unit ID /repositories/2/archival_objects/45293

Unit Date October 6, 1986

Mixed Materials 4 (box)

Container 23 (folder)

Snyder, Gary

Unit ID /repositories/2/archival_objects/45294

Unit Date undated

Mixed Materials 4 (box)

Container 24 (folder)

Invitation from Prime Minister India to Professor H. J. Moroquitz (Morowitz)

Unit ID /repositories/2/archival_objects/45295

Unit Date December 15, 1981

Mixed Materials 4 (box)

Container 25 (folder)

Poem - "Mr. Swinburned Discovers TV," by Peg Bracken

Unit ID /repositories/2/archival_objects/45296

Unit Date undated

Mixed Materials 4 (box)

Container 26 (folder)

La Ronde: Poems by Harold J. Morowitz

Unit ID /repositories/2/archival_objects/45297

Unit Date 1975

Mixed Materials 4 (box)

Container 27 (folder)

Correspondence (poetry) - Harold J. Morowitz and Michael McClure

Unit ID /repositories/2/archival_objects/45298

Unit Date 1990-1991

Mixed Materials 4 (box)

Container 28 (folder)

Murray Gell - Man Birthday

Unit ID /repositories/2/archival_objects/45299

Unit Date January 27-28, 1989

Mixed Materials 5 (box)

Container 1 (folder)

Correspondence from Sagan, Carl to Morowitz, Harold J. regarding Venus and Mars

Unit ID /repositories/2/archival_objects/45300

Unit Date 1961-1966

Mixed Materials 5 (box)

Container 2 (folder)

Arkansas Creation Trial newspaper clippings (1 of 3)

Unit ID /repositories/2/archival_objects/45301

Unit Date 1981-1982

Mixed Materials 5 (box)

Container 3 (folder)

Arkansas Creation Trial newspaper clippings (2 of 3)

Unit ID /repositories/2/archival_objects/45302

Unit Date 1981

Mixed Materials 5 (box)

Container 4 (folder)

Arkansas Creation Trial newspaper clippings (3 of 3)

Unit ID /repositories/2/archival_objects/45303

Unit Date 1981-1982

Mixed Materials 5 (box)

Container 5 (folder)

Civil Liberties - ACLU, Louisiana, creationism

Unit ID /repositories/2/archival_objects/45304

Unit Date 1985

Mixed Materials 5 (box)

Container 6 (folder)

ACLU - Arkansas (1 of 2)

Unit ID /repositories/2/archival_objects/45305

Unit Date 1981

Mixed Materials 5 (box)

Container 7 (folder)

ACLU - Arkansas (2 of 2)

Unit ID /repositories/2/archival_objects/45306

Unit Date 1981-1982

Mixed Materials 5 (box)

Container 8 (folder)

Gary Snyder

Unit ID /repositories/2/archival_objects/45307

Unit Date 1983-1991

Mixed Materials 5 (box)

Container 9 (folder)

The Ecology of Ego Niches manuscript

Unit ID /repositories/2/archival_objects/45308

Unit Date undated

Mixed Materials 5 (box)

Container 10 (folder)

Beat Poets post card

Unit ID /repositories/2/archival_objects/45309

Unit Date circa 1970

Mixed Materials 5 (box)

Container 11 (folder)

Arrow, Kenneth J.

Unit ID /repositories/2/archival_objects/45310

Unit Date April 30, 1991

Mixed Materials 5 (box)

Container 12 (folder)

Planetary Biology Subcommittee (NASA)

Unit ID /repositories/2/archival_objects/45311

Unit Date 1966-1970

Mixed Materials 5 (box)

Container 13 (folder)

Entry Talk, Poem: Biosphere II

Unit ID /repositories/2/archival_objects/45312

Unit Date September 26, 1993

Mixed Materials 5 (box)

Container 14 (folder)

Michael McClure - "Minnie Mouse and the Tap Dancing Buddha,"

Unit ID /repositories/2/archival_objects/45313

Unit Date circa 1970s

Mixed Materials 5 (box)

Container 15 (folder)

"Gloaming" broadside by Michael McClure

Unit ID /repositories/2/archival_objects/45314

Unit Date March 1986

Mixed Materials 5 (box)

Container 16 (folder)

Complexity Editorial Board (1 of 2)

Unit ID /repositories/2/archival_objects/45315

Unit Date 1991-1994

Mixed Materials 5 (box)

Container 17 (folder)

Complexity Editorial Board (1 of 2)

Unit ID /repositories/2/archival_objects/45316

Unit Date 1990-1991

Mixed Materials 5 (box)

Container 18 (folder)

Complexity, v.3, No.1

Unit ID /repositories/2/archival_objects/45317

Unit Date September-October 1997

Mixed Materials 5 (box)

Container 19 (folder)

National Advisory Research Resources Council group portrait color photograph

Unit ID /repositories/2/archival_objects/45318

Unit Date 1990

Mixed Materials 5 (box)

Container 20 (folder)

Buckley, William F., Jr.

Unit ID /repositories/2/archival_objects/45319

Unit Date February 4, 1982

Mixed Materials 5 (box)

Container 21 (folder)

Encyclopedia of Scientific Concepts (1 of 2)

Unit ID /repositories/2/archival_objects/45320

Unit Date 1988-1990

Mixed Materials 6 (box)

Container 1 (folder)

Encyclopedia of Scientific Concepts (2 of 2)

Unit ID /repositories/2/archival_objects/45321

Unit Date 1989

Mixed Materials 6 (box)

Container 2 (folder)

Committee on Science and Human Values (1 of 2)

Unit ID /repositories/2/archival_objects/45322

Unit Date 1997-1998

Mixed Materials 6 (box)

Container 3 (folder)

Committee on Science and Human Values (1 of 2)

Unit ID /repositories/2/archival_objects/45323

Unit Date 1993-1995

Mixed Materials 6 (box)

Container 4 (folder)

Creation - Science Research Center

Unit ID /repositories/2/archival_objects/45324

Unit Date August 24, 1976

Mixed Materials 6 (box)

Container 5 (folder)

Facts of Life (1 of 2)

Unit ID /repositories/2/archival_objects/45325

Unit Date 1989-1992

Mixed Materials 6 (box)

Container 6 (folder)

Facts of Life (2 of 2)

Unit ID /repositories/2/archival_objects/45326

Unit Date 1991-1992

Mixed Materials 6 (box)

Container 7 (folder)

Hospital Practice mail (1 of 3)

Unit ID /repositories/2/archival_objects/45327

Unit Date 1982-1995

Mixed Materials 6 (box)

Container 8 (folder)

Hospital Practice mail (2 of 3)

Unit ID /repositories/2/archival_objects/45328

Unit Date 1977-1982

Mixed Materials 6 (box)

Container 9 (folder)

Hospital Practice mail (3 of 3)

Unit ID /repositories/2/archival_objects/45329

Unit Date 1973-1982

Mixed Materials 7 (box)

Container 1 (folder)

Draft of The Kindly Dr. Guillotin

Unit ID /repositories/2/archival_objects/45330

Unit Date 1991-1997

Mixed Materials 7 (box)

Container 2 (folder)

Biomatrix

Unit ID /repositories/2/archival_objects/45331

Unit Date 1991-1992

Mixed Materials 7 (box)

Container 3 (folder)

Diffusion During Solvent Transport by Poiseuille Flow

Unit ID /repositories/2/archival_objects/45332

Unit Date 1954

Mixed Materials 7 (box)

Container 4 (folder)

Nutrient Transit Time Diversity: A Novel Measure of Ecological Organization and Stability

Unit ID /repositories/2/archival_objects/45333

Unit Date December 1975

Mixed Materials 7 (box)

Container 5 (folder)

Competitive Exclusion: Application of a Biological Principle to Societies in Conflict

Unit ID /repositories/2/archival_objects/45334

Unit Date undated

Mixed Materials 7 (box)

Container 6 (folder)

Some Theoretical Consideration on the Use of Indicator Time - Concentration Curves in Hemodynamic Studies

Unit ID /repositories/2/archival_objects/45335

Unit Date 1955

Mixed Materials 7 (box)

Container 7 (folder)

Gerald Edelman

Unit ID /repositories/2/archival_objects/45336

Unit Date May 5, 1997

Mixed Materials 7 (box)

Container 8 (folder)

Godel Numbers

Unit ID /repositories/2/archival_objects/45337

Unit Date 1967

Mixed Materials 7 (box)

Container 9 (folder)

Lord Snow

Unit ID /repositories/2/archival_objects/45338

Unit Date February 20, 1970

Mixed Materials 7 (box)

Container 10 (folder)

Journal of Irreproducible Results

Unit ID /repositories/2/archival_objects/45339

Unit Date 1978

Mixed Materials 7 (box)

Container 11 (folder)

Some Notes on the Problem of Uncertainty in Biological Measurements

Unit ID /repositories/2/archival_objects/45340

Unit Date 1966

Mixed Materials 7 (box)

Container 12 (folder)

Taming Combinatorial Explosion

Unit ID /repositories/2/archival_objects/45341

Unit Date July 5, 2000

Mixed Materials 7 (box)

Container 13 (folder)

Hospital Practice

Unit ID /repositories/2/archival_objects/45342

Unit Date 1987-1990

Mixed Materials 7 (box)

Container 14 (folder)

The Mind The Brain and Complex Adaptive Systems

Unit ID /repositories/2/archival_objects/45343

Unit Date 1993

Mixed Materials 7 (box)

Container 15 (folder)

Publications

Unit ID /repositories/2/archival_objects/45344

Unit Date 1968-1972

Mixed Materials 7 (box)

Container 16 (folder)

The Origin of Intermediary Metabolism

Unit ID /repositories/2/archival_objects/45345

Unit Date July 5, 2000

Mixed Materials 7 (box)

Container 17 (folder)

Self Replicating Machines

Unit ID /repositories/2/archival_objects/45346

Unit Date 1962-1964

Mixed Materials 7 (box)

Container 18 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 1

Unit ID /repositories/2/archival_objects/45347

Unit Date 1999

Mixed Materials 7 (box)

Container 19 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 2

Unit ID /repositories/2/archival_objects/45348

Unit Date 1999

Mixed Materials 7 (box)

Container 20 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 3

Unit ID /repositories/2/archival_objects/45349

Unit Date 1999

Mixed Materials 8 (box)

Container 1 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 4

Unit ID /repositories/2/archival_objects/45350

Unit Date 1999

Mixed Materials 8 (box)

Container 2 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 5

Unit ID /repositories/2/archival_objects/45351

Unit Date 1999

Mixed Materials 8 (box)

Container 3 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 6

Unit ID /repositories/2/archival_objects/45352

Unit Date 1999

Mixed Materials 8 (box)

Container 4 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 7

Unit ID /repositories/2/archival_objects/45353

Unit Date 1999

Mixed Materials 8 (box)

Container 5 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 8

Unit ID /repositories/2/archival_objects/45354

Unit Date 1999

Mixed Materials 8 (box)

Container 6 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 9

Unit ID /repositories/2/archival_objects/45355

Unit Date 1999

Mixed Materials 8 (box)

Container 7 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 10

Unit ID /repositories/2/archival_objects/45356

Unit Date 1999

Mixed Materials 8 (box)

Container 8 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 11

Unit ID /repositories/2/archival_objects/45357

Unit Date 1999

Mixed Materials 8 (box)

Container 9 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 12

Unit ID /repositories/2/archival_objects/45358

Unit Date 1999

Mixed Materials 8 (box)

Container 10 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 13

Unit ID /repositories/2/archival_objects/45359

Unit Date 1999

Mixed Materials 8 (box)

Container 11 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 14

Unit ID /repositories/2/archival_objects/45360

Unit Date 1999

Mixed Materials 8 (box)

Container 12 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 15

Unit ID /repositories/2/archival_objects/45361

Unit Date 1999

Mixed Materials 8 (box)

Container 13 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 16

Unit ID /repositories/2/archival_objects/45362

Unit Date 1999

Mixed Materials 8 (box)

Container 14 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 17

Unit ID /repositories/2/archival_objects/45363

Unit Date 1999

Mixed Materials 8 (box)

Container 15 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 18

Unit ID /repositories/2/archival_objects/45364

Unit Date 1999

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Container 16 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 19

Unit ID /repositories/2/archival_objects/45365

Unit Date 1999

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Container 17 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 20

Unit ID /repositories/2/archival_objects/45366

Unit Date 1999

Mixed Materials 8 (box)

Container 18 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 21

Unit ID /repositories/2/archival_objects/45367

Unit Date 1999

Mixed Materials 8 (box)

Container 19 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 22

Unit ID /repositories/2/archival_objects/45368

Unit Date 1999

Mixed Materials 8 (box)

Container 20 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 23

Unit ID /repositories/2/archival_objects/45369

Unit Date 1999

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Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 24

Unit ID /repositories/2/archival_objects/45370

Unit Date 1999

Mixed Materials 8 (box)

Container 22 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 25

Unit ID /repositories/2/archival_objects/45371

Unit Date 1999

Mixed Materials 8 (box)

Container 23 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 26

Unit ID /repositories/2/archival_objects/45372

Unit Date 1999

Mixed Materials 8 (box)

Container 24 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 27

Unit ID /repositories/2/archival_objects/45373

Unit Date 1999

Mixed Materials 8 (box)

Container 25 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 28

Unit ID /repositories/2/archival_objects/45374

Unit Date 1999

Mixed Materials 8 (box)

Container 26 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 29

Unit ID /repositories/2/archival_objects/45375

Unit Date 1999

Mixed Materials 8 (box)

Container 27 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 30

Unit ID /repositories/2/archival_objects/45376

Unit Date 1999

Mixed Materials 8 (box)

Container 28 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 31

Unit ID /repositories/2/archival_objects/45377

Unit Date 1999

Mixed Materials 8 (box)

Container 29 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 32

Unit ID /repositories/2/archival_objects/45378

Unit Date 1999

Mixed Materials 8 (box)

Container 30 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 33

Unit ID /repositories/2/archival_objects/45379

Unit Date 1999

Mixed Materials 8 (box)

Container 31 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 34

Unit ID /repositories/2/archival_objects/45380

Unit Date 1999

Mixed Materials 8 (box)

Container 32 (folder)

Emergences: Twenty-Eight Steps from Matter to Spirit by Harold J. Morowitz - Chapter 35

Unit ID /repositories/2/archival_objects/45381

Unit Date 1999

Mixed Materials 8 (box)

Container 33 (folder)

Biomatrix meeting and primer

Unit ID /repositories/2/archival_objects/45382

Unit Date 1989-1991

Mixed Materials 8 (box)

Container 34 (folder)

Anti-Chaos, Teleology, and Teilhard talk

Unit ID /repositories/2/archival_objects/45383

Unit Date 1990

Mixed Materials 8 (box)

Container 35 (folder)

New Program at NSF

Unit ID /repositories/2/archival_objects/45384

Unit Date May 14, 2001

Mixed Materials 8 (box)

Container 36 (folder)

Research and correspondence for Emergence

Unit ID /repositories/2/archival_objects/45385

Unit Date 2001-2002

Mixed Materials 8 (box)

Container 37 (folder)

Emergences: Edited papers

Unit ID /repositories/2/archival_objects/45386

Unit Date 1999

Mixed Materials 8 (box)

Container 38 (folder)

Emergences: Preface

Unit ID /repositories/2/archival_objects/45387

Unit Date 1999

Mixed Materials 8 (box)

Container 39 (folder)

Emergences: Contents

Unit ID /repositories/2/archival_objects/45388

Unit Date 1999

Mixed Materials 8 (box)

Container 40 (folder)

Emergences: Chapter 1

Unit ID /repositories/2/archival_objects/45389

Unit Date 1999

Mixed Materials 8 (box)

Container 41 (folder)

Emergences: Chapter 2

Unit ID /repositories/2/archival_objects/45390

Unit Date 1999

Mixed Materials 8 (box)

Container 42 (folder)

Emergences: Chapter 3

Unit ID /repositories/2/archival_objects/45391

Unit Date 1999

Mixed Materials 9 (box)

Container 1 (folder)

Emergences: Chapter 4

Unit ID /repositories/2/archival_objects/45392

Unit Date 1999

Mixed Materials 9 (box)

Container 2 (folder)

Emergences: Chapter 5

Unit ID /repositories/2/archival_objects/45393

Unit Date 1999

Mixed Materials 9 (box)

Container 3 (folder)

Emergences: Chapter 6

Unit ID /repositories/2/archival_objects/45394

Unit Date 1999

Mixed Materials 9 (box)

Container 4 (folder)

Emergences: Chapter 7

Unit ID /repositories/2/archival_objects/45395

Unit Date 1999

Mixed Materials 9 (box)

Container 5 (folder)

Emergences: Chapter 8

Unit ID /repositories/2/archival_objects/45396

Unit Date 1999

Mixed Materials 9 (box)

Container 6 (folder)

Emergences: Chapter 9

Unit ID /repositories/2/archival_objects/45397

Unit Date 1999

Mixed Materials 9 (box)

Container 7 (folder)

Emergences: Chapter 10

Unit ID /repositories/2/archival_objects/45398

Unit Date 1999

Mixed Materials 9 (box)

Container 8 (folder)

Emergences: Chapter 11

Unit ID /repositories/2/archival_objects/45399

Unit Date 1999

Mixed Materials 9 (box)

Container 9 (folder)

Emergences: Chapter 12

Unit ID /repositories/2/archival_objects/45400

Unit Date 1999

Mixed Materials 9 (box)

Container 10 (folder)

Emergences: Chapter 13

Unit ID /repositories/2/archival_objects/45401

Unit Date 1999

Mixed Materials 9 (box)

Container 11 (folder)

Emergences: Chapter 14

Unit ID /repositories/2/archival_objects/45402

Unit Date 1999

Mixed Materials 9 (box)

Container 12 (folder)

Emergences: Chapter 15

Unit ID /repositories/2/archival_objects/45403

Unit Date 1999

Mixed Materials 9 (box)

Container 13 (folder)

Emergences: Chapter 16

Unit ID /repositories/2/archival_objects/45404

Unit Date 1999

Mixed Materials 9 (box)

Container 14 (folder)

Emergences: Chapter 17

Unit ID /repositories/2/archival_objects/45405

Unit Date 1999

Mixed Materials 9 (box)

Container 15 (folder)

Emergences: Chapter 18

Unit ID /repositories/2/archival_objects/45406

Unit Date 1999

Mixed Materials 9 (box)

Container 16 (folder)

Emergences: Chapter 19

Unit ID /repositories/2/archival_objects/45407

Unit Date 1999

Mixed Materials 9 (box)

Container 17 (folder)

Emergences: Chapter 20

Unit ID /repositories/2/archival_objects/45408

Unit Date 1999

Mixed Materials 9 (box)

Container 18 (folder)

Emergences: Chapter 21

Unit ID /repositories/2/archival_objects/45409

Unit Date 1999

Mixed Materials 9 (box)

Container 19 (folder)

Emergences: Chapter 22

Unit ID /repositories/2/archival_objects/45410

Unit Date 1999

Mixed Materials 9 (box)

Container 20 (folder)

Emergences: Chapter 23

Unit ID /repositories/2/archival_objects/45411

Unit Date 1999

Mixed Materials 9 (box)

Container 21 (folder)

Emergences: Chapter 24

Unit ID /repositories/2/archival_objects/45412

Unit Date 1999

Mixed Materials 9 (box)

Container 22 (folder)

Emergences: Chapter 25

Unit ID /repositories/2/archival_objects/45413

Unit Date 1999

Mixed Materials 9 (box)

Container 23 (folder)

Emergences: Chapter 26

Unit ID /repositories/2/archival_objects/45414

Unit Date 1999

Mixed Materials 9 (box)

Container 24 (folder)

Emergences: Chapter 27

Unit ID /repositories/2/archival_objects/45415

Unit Date 1999

Mixed Materials 9 (box)

Container 25 (folder)

Emergences: Chapter 28

Unit ID /repositories/2/archival_objects/45416

Unit Date 1999

Mixed Materials 9 (box)

Container 26 (folder)

Emergences: Chapter 29

Unit ID /repositories/2/archival_objects/45417

Unit Date 1999

Mixed Materials 9 (box)

Container 27 (folder)

Emergences: Chapter 30

Unit ID /repositories/2/archival_objects/45418

Unit Date 1999

Mixed Materials 9 (box)

Container 28 (folder)

Emergences: Chapter 31

Unit ID /repositories/2/archival_objects/45419

Unit Date 1999

Mixed Materials 9 (box)

Container 29 (folder)

Emergences: Chapter 32

Unit ID /repositories/2/archival_objects/45420

Unit Date 1999

Mixed Materials 9 (box)

Container 30 (folder)

Emergences: Chapter 33

Unit ID /repositories/2/archival_objects/45421

Unit Date 1999

Mixed Materials 10 (box)

Container 1 (folder)

Emergences: Chapter 34

Unit ID /repositories/2/archival_objects/45422

Unit Date 1999

Mixed Materials 10 (box)

Container 2 (folder)

Emergences: Chapter 35

Unit ID /repositories/2/archival_objects/45423

Unit Date 1999

Mixed Materials 10 (box)

Container 3 (folder)

Emergences: Chapter 36

Unit ID /repositories/2/archival_objects/45424

Unit Date 1999

Mixed Materials 10 (box)

Container 4 (folder)

Mycoplasma (1 of 2)

Unit ID /repositories/2/archival_objects/45425

Unit Date 1962-2002

Mixed Materials 10 (box)

Container 5 (folder)

Mycoplasma (2 of 2)

Unit ID /repositories/2/archival_objects/45426

Unit Date 1959-1963

Mixed Materials 10 (box)

Container 6 (folder)

History of bioenergetics: Franklin Harold

Unit ID /repositories/2/archival_objects/45427

Unit Date 1968-1980

Mixed Materials 10 (box)

Container 7 (folder)

Scope and Content

Articles by Franklin Harold

History of bioenergetics: Paul Boyer

Unit ID /repositories/2/archival_objects/45428

Unit Date 1975-1978

Mixed Materials 10 (box)

Container 8 (folder)

Scope and Content

Articles by Paul Boyer

History of bioenergetics: Lars Ernster

Unit ID /repositories/2/archival_objects/45429

Unit Date 1969-1975

Mixed Materials 10 (box)

Container 9 (folder)

Scope and Content

Bibliography, curriculum vitae, and articles written by Lars Ernster

History of bioenergetics: R.J.P. Williams

Unit ID /repositories/2/archival_objects/45430

Unit Date 1963-1980

Mixed Materials 10 (box)

Container 10 (folder)

Scope and Content

Letters to Williams, Slater, Ernster, and Peter Mitchell regarding the Guggenheim Fellowship. Articles by Williams.

History of bioenergetics: Bioenergetics publications

Unit ID /repositories/2/archival_objects/45431

Unit Date 1977-1984

Mixed Materials 10 (box)

Container 11 (folder)

History of bioenergetics: E. C. Slater

Unit ID /repositories/2/archival_objects/45432

Unit Date 1966-1980

Mixed Materials 10 (box)

Container 12 (folder)

Scope and Content

Bibliography, correspondence, articles

History of bioenergetics: Kent Gabriel

Unit ID /repositories/2/archival_objects/45433

Unit Date 1980

Mixed Materials 10 (box)

Container 13 (folder)

Protonic Semiconductors by Lars Onsager

Unit ID /repositories/2/archival_objects/45434

Unit Date 1968-1969

Mixed Materials 10 (box)

Container 14 (folder)

History of bioenergetics research proposal and correspondence

Unit ID /repositories/2/archival_objects/45435

Unit Date 1975-1980

Mixed Materials 10 (box)

Container 15 (folder)

History of bioenergetics: Publication List of Jennifer Moyle

Unit ID /repositories/2/archival_objects/45436

Unit Date November 4, 1980

Mixed Materials 11 (box)

Container 1 (folder)

History of bioenergetics: U.S. Bioenergetics Group

Unit ID /repositories/2/archival_objects/45437

Unit Date 1975-1980

Mixed Materials 11 (box)

Container 2 (folder)

History of bioenergetics: Correspondence and notes

Unit ID /repositories/2/archival_objects/45438

Unit Date 1979-1980

Mixed Materials 11 (box)

Container 3 (folder)

Oxidative Phosphoylations notes

Unit ID /repositories/2/archival_objects/45439

Unit Date 1980s

Mixed Materials 11 (box)

Container 4 (folder)

Correspondence on Entropy book from Lewis Thomas to Morowitz

Unit ID /repositories/2/archival_objects/45440

Unit Date January 6, 1981

Mixed Materials 11 (box)

Container 5 (folder)

Correspondence: The Kindly Dr. Guillotin

Unit ID /repositories/2/archival_objects/45441

Unit Date August 1977

Mixed Materials 11 (box)

Container 6 (folder)

Hawaii Education: Unpublished introduction to Merck's Medicine Manual Popular Edition

Unit ID /repositories/2/archival_objects/45442

Unit Date circa 1990s-2000s

Mixed Materials 11 (box)

Container 7 (folder)

Miscellaneous: Correspondence, articles, eulogy for Ernest C. Pollard

Unit ID /repositories/2/archival_objects/45443

Unit Date 1980-2000

Mixed Materials 11 (box)

Container 8 (folder)

Deposition of Harold J. Morowitz (1 of 2)

Unit ID /repositories/2/archival_objects/45444

Unit Date May 8, 1982

Mixed Materials 11 (box)

Container 9 (folder)

Deposition of Harold J. Morowitz (2 of 2)

Unit ID /repositories/2/archival_objects/45445

Unit Date May 8, 1982

Mixed Materials 11 (box)

Container 10 (folder)

Patent on making negative ions

Unit ID /repositories/2/archival_objects/45446

Unit Date 1959-1964

Mixed Materials 11 (box)

Container 11 (folder)

The Fifth Keilin Memorial Lecture by R.J.P. Williams

Unit ID /repositories/2/archival_objects/45447

Unit Date July 5, 1972

Mixed Materials 11 (box)

Container 12 (folder)

History of bioenergetics: Correspondence and research

Unit ID /repositories/2/archival_objects/45448

Unit Date 1954-1981

Mixed Materials 11 (box)

Container 13 (folder)

Wikstrom, Marten

Unit ID /repositories/2/archival_objects/45449

Unit Date 1977-1979

Mixed Materials 11 (box)

Container 14 (folder)

Van Dam, K. article: "The Burst in ATP Synthesis Observed on Addition of ADP to Mitochondria,"

Unit ID /repositories/2/archival_objects/45450

Unit Date 1966

Mixed Materials 11 (box)

Container 15 (folder)

Morowitz notes and calculations

Unit ID /repositories/2/archival_objects/45451

Unit Date circa 1940s-1950s

Mixed Materials 11 (box)

Container 16 (folder)

My Laboratory by Morowitz

Unit ID /repositories/2/archival_objects/45452

Unit Date circa 1940s-1950s

Mixed Materials 11 (box)

Container 17 (folder)

Charts on a experiment

Unit ID /repositories/2/archival_objects/45453

Unit Date February 2-8, 1961

Mixed Materials 11 (box)

Container 18 (folder)

Labor Party at Yale

Unit ID /repositories/2/archival_objects/45454

Unit Date 1944-1948

Mixed Materials 11 (box)

Container 19 (folder)

Essay on Ivan Puluje titled "Continuing Education" by Morowitz

Unit ID /repositories/2/archival_objects/45455

Unit Date undated

Mixed Materials 11 (box)

Container 20 (folder)

Physics 32b class notes, relativity dynamics

Unit ID /repositories/2/archival_objects/45456

Unit Date circa 1940s

Mixed Materials 12 (box)

Container 1 (folder)

Physics 100 notes

Unit ID /repositories/2/archival_objects/45457

Unit Date circa 1940s

Mixed Materials 12 (box)

Container 2 (folder)

Physics 100 notes (photocopy)

Unit ID /repositories/2/archival_objects/45458

Unit Date circa 1940s

Mixed Materials 12 (box)

Container 3 (folder)

Alamethicin Inhibition of Phosphorylation in Mung Bean and Cauliflower Mitochondria by Harold J. Morowitz and Lucille S. Morowitz

Unit ID /repositories/2/archival_objects/45459

Unit Date 1976

Mixed Materials 12 (box)

Container 4 (folder)

History of bioenergetics: Notes on Peter Mitchell biography

Unit ID /repositories/2/archival_objects/45460

Unit Date circa 1980

Mixed Materials 12 (box)

Container 5 (folder)

History of bioenergetics: articles

Unit ID /repositories/2/archival_objects/45461

Unit Date 1975-1982

Mixed Materials 12 (box)

Container 6 (folder)

Correspondence between Morowitz and Peter Mitchell and Morowitz and Williams

Unit ID /repositories/2/archival_objects/45462

Unit Date 1960-1980

Mixed Materials 12 (box)

Container 7 (folder)

Notes for autobiography

Unit ID /repositories/2/archival_objects/45463

Unit Date undated

Mixed Materials 12 (box)

Container 8 (folder)

Autobiography: The Slithey Phage

Unit ID /repositories/2/archival_objects/45464

Unit Date undated

Mixed Materials 13 (box)

Container 1 (folder)

Peter Mitchell articles (1 of 3)

Unit ID /repositories/2/archival_objects/45465

Unit Date 1953-1977

Mixed Materials 13 (box)

Container 2 (folder)

Peter Mitchell articles (2 of 3)

Unit ID /repositories/2/archival_objects/45466

Unit Date 1958-1980

Mixed Materials 13 (box)

Container 3 (folder)

Peter Mitchell articles (3 of 3)

Unit ID /repositories/2/archival_objects/45467

Unit Date 1976; 1980

Mixed Materials 13 (box)

Container 4 (folder)

Tardigrades

Unit ID /repositories/2/archival_objects/45468

Unit Date 1957-1967

Mixed Materials 13 (box)

Container 5 (folder)

Introduction Biology Course - Advanced, notes for publication

Unit ID /repositories/2/archival_objects/45469

Unit Date 1970s

Mixed Materials 13 (box)

Container 6 (folder)

Scientific correspondence: S. L. Slater, Universiteit Van Amsterdam

Unit ID /repositories/2/archival_objects/45470

Unit Date February 4, 1977

Mixed Materials 13 (box)

Container 7 (folder)

Scientific correspondence: R. N. Robertson

Unit ID /repositories/2/archival_objects/45471

Unit Date June 23, 1976

Mixed Materials 13 (box)

Container 8 (folder)

Scientific correspondence: Andre, Cornell University

Unit ID /repositories/2/archival_objects/45472

Unit Date 1970s

Mixed Materials 13 (box)

Container 9 (folder)

Scientific correspondence: Efraim Racker, Albert Einstein Professor of Biochemistry at Cornell University

Unit ID /repositories/2/archival_objects/45473

Unit Date June 29, 1976

Mixed Materials 13 (box)

Container 10 (folder)

Scientific correspondence: Dr. Peter Mitchell

Unit ID /repositories/2/archival_objects/45474

Unit Date June 4, 1976

Mixed Materials 13 (box)

Container 11 (folder)

Epistemology

Unit ID /repositories/2/archival_objects/45475

Unit Date 1978-1979

Mixed Materials 13 (box)

Container 12 (folder)

Correspondence

Unit ID /repositories/2/archival_objects/45476

Unit Date 1960-1970

Mixed Materials 13 (box)

Container 13 (folder)

Teilhard's Two Energies

Unit ID /repositories/2/archival_objects/45477

Unit Date 1990-1994

Mixed Materials 13 (box)

Container 14 (folder)

South Pacific

Unit ID /repositories/2/archival_objects/45478

Unit Date 1973-1976

Mixed Materials 13 (box)

Container 15 (folder)

Whale census

Unit ID /repositories/2/archival_objects/45479

Unit Date 1983-1996

Mixed Materials 14 (box)

Container 1 (folder)

Correspondence: Lynn Margulis

Unit ID /repositories/2/archival_objects/45480

Unit Date 1994-1995

Mixed Materials 14 (box)

Container 2 (folder)

Ernest C. Pollard lecture

Unit ID /repositories/2/archival_objects/45481

Unit Date 1972-1978

Mixed Materials 14 (box)

Container 3 (folder)

Correspondence: Lars Onsager

Unit ID /repositories/2/archival_objects/45482

Unit Date September 27, 1976

Mixed Materials 14 (box)

Container 4 (folder)

Simplistic roots of complexity

Unit ID /repositories/2/archival_objects/45483

Unit Date circa 1990s

Mixed Materials 14 (box)

Container 5 (folder)

Complexity 2

Unit ID /repositories/2/archival_objects/45484

Unit Date 1962; 1991-1996

Mixed Materials 14 (box)

Container 6 (folder)

Paper on cloning and bioethics

Unit ID /repositories/2/archival_objects/45485

Unit Date post 2002

Mixed Materials 14 (box)

Container 7 (folder)

Book review for "No Time to be Brief,"

Unit ID /repositories/2/archival_objects/45486

Unit Date 2002

Mixed Materials 14 (box)

Container 8 (folder)

On the Origin and Fine Tuning of Metabolism drafts

Unit ID /repositories/2/archival_objects/45487

Unit Date circa 2000s

Mixed Materials 14 (box)

Container 9 (folder)

Kinetic Treatment of the Steady State

Unit ID /repositories/2/archival_objects/45488

Unit Date 1965

Mixed Materials 14 (box)

Container 10 (folder)

Charles Black

Unit ID /repositories/2/archival_objects/45489

Unit Date 1980s; 2002

Mixed Materials 14 (box)

Container 11 (folder)

Scope and Content

Further Reflections on the Constitutional Justice of Livelihood by Charles Black and announcement for Black's memorial service

Pantheism symposium

Unit ID /repositories/2/archival_objects/45490

Unit Date December 6-8, 2001

Mixed Materials 14 (box)

Container 12 (file)

Autobiographical text: "The Biologist,"

Unit ID /repositories/2/archival_objects/45491

Unit Date circa 1990s-2000s

Mixed Materials 14 (box)

Container 13 (folder)

Autobiographical text: "Tales of Unusual Individuals and Organisms I Have Encountered,"

Unit ID /repositories/2/archival_objects/45492

Unit Date 2000s

Mixed Materials 14 (box)

Container 14 (folder)

Co-authored articles

Unit ID /repositories/2/archival_objects/45493

Unit Date 1960s; 2000s

Mixed Materials 14 (box)

Container 15 (folder)

Committee on Science and Human Values; cloning, Bishops committee

Unit ID /repositories/2/archival_objects/45494

Unit Date 1996-2003

Mixed Materials 14 (box)

Container 10 (folder)

Correspondence: David Fisher regarding Hospital Practice

Unit ID /repositories/2/archival_objects/45495

Unit Date 1974-1978

Mixed Materials 14 (box)

Container 17 (folder)

Consilience and Complexity chapter by E.O. Wilson

Unit ID /repositories/2/archival_objects/45496

Unit Date 1997

Mixed Materials 14 (box)

Container 18 (folder)

George Mason University bioinformatics program

Unit ID /repositories/2/archival_objects/45497

Unit Date 1988-1989

Mixed Materials 14 (box)

Container 19 (folder)

What is Life? by Lee Smolin

Unit ID /repositories/2/archival_objects/45498

Unit Date 1990

Mixed Materials 14 (box)

Container 20 (folder)

"Species" and "High Connectivity Models for Biomedical Research,"

Unit ID /repositories/2/archival_objects/45499

Unit Date 1990s

Mixed Materials 14 (box)

Container 21 (folder)

Thermo-biology papers

Unit ID /repositories/2/archival_objects/45500

Unit Date 1964-1965

Mixed Materials 14 (box)

Container 22 (folder)

Matrix of biological knowledge

Unit ID /repositories/2/archival_objects/45501

Unit Date 1985-1988

Mixed Materials 14 (box)

Container 23 (folder)

Scope and Content

Includes six photographs of Morowitz and others in a work environment

Correspondence: Henry Luce III

Unit ID /repositories/2/archival_objects/45502

Unit Date 1985-1986

Mixed Materials 14 (box)

Container 24 (folder)

Competitive exclusion

Unit ID /repositories/2/archival_objects/45503

Unit Date undated

Mixed Materials 14 (box)

Container 25 (folder)

Kinetic Foundations of a Steady State Analysis of Evolution

Unit ID /repositories/2/archival_objects/45504

Unit Date 1953-2005

Mixed Materials 14 (box)

Container 20 (folder)

Scope and Content

Includes a photograph of a group portrait from 1953

Press: Dallas Morning News, SFI Bulletin

Unit ID /repositories/2/archival_objects/45505

Unit Date 2000

Mixed Materials 14 (box)

Container 27 (folder)

Altenberg workshops in theoretical biology: The emergence and evolution of organization

Unit ID /repositories/2/archival_objects/45506

Unit Date 1996

Mixed Materials 14 (box)

Container 28 (folder)

Correspondence: Doris and Dick Schuster

Unit ID /repositories/2/archival_objects/45507

Unit Date 1978

Mixed Materials 15 (box)

Container 1 (folder)

Entropy, Information and All That book review

Unit ID /repositories/2/archival_objects/45508

Unit Date 1969

Mixed Materials 15 (box)

Container 2 (folder)

Mutagens in Foods and Spices

Unit ID /repositories/2/archival_objects/45509

Unit Date 1993

Mixed Materials 15 (box)

Container 3 (folder)

Planetary Coral Reef Foundation

Unit ID /repositories/2/archival_objects/45510

Unit Date 2000

Mixed Materials 15 (box)

Container 4 (folder)

Biosphere 2: Various

Unit ID /repositories/2/archival_objects/45511

Unit Date 1992-1993

Mixed Materials 15 (box)

Container 5 (folder)

Biosphere 2: Magazines and newsletters

Unit ID /repositories/2/archival_objects/45512

Unit Date 1992-2005

Mixed Materials 15 (box)

Container 6 (folder)

Biosphere 2: Case of Abigail Alling vs. State of Arizona court papers

Unit ID /repositories/2/archival_objects/45513

Unit Date 1994-1998

Mixed Materials 15 (box)

Container 7 (folder)

Biosphere 2: News articles

Unit ID /repositories/2/archival_objects/45514

Unit Date 1993-1994

Mixed Materials 15 (box)

Container 8 (folder)

Biosphere 2: Re-entry to Earth's biosphere

Unit ID /repositories/2/archival_objects/45515

Unit Date 1996

Mixed Materials 15 (box)

Container 9 (folder)

Biosphere 2: Misconceptions and problems

Unit ID /repositories/2/archival_objects/45516

Unit Date 1992-1994

Mixed Materials 15 (box)

Container 10 (folder)

Biosphere 2: Brochures, maps, and media

Unit ID /repositories/2/archival_objects/45517

Unit Date 1994

Mixed Materials 15 (box)

Container 11 (folder)

Biosphere 2: Closing sheets, faxes on Biosphere 2 work

Unit ID /repositories/2/archival_objects/45518

Unit Date 1994

Mixed Materials 15 (box)

Container 12 (folder)

Biosphere 2: Material related to the work of Abigail Alling

Unit ID /repositories/2/archival_objects/45519

Unit Date 1992-1993

Mixed Materials 15 (box)

Container 13 (folder)

Biosphere 2: Reports and results

Unit ID /repositories/2/archival_objects/45520

Unit Date 1992-1993

Mixed Materials 15 (box)

Container 14 (folder)

Biosphere 2: Correspondence

Unit ID /repositories/2/archival_objects/45521

Unit Date 1993-1995

Mixed Materials 16 (box)

Container 1 (folder)

Biosphere 2: Presentation and poem

Unit ID /repositories/2/archival_objects/45522

Unit Date 1993; 2005

Mixed Materials 16 (box)

Container 2 (folder)

Scope and Content

Re-entry talk on September 26, 1993 by Morowitz; Poem titled "Biosphere 2"

Publications: Biophysical Society, National Biophysics Conference

Unit ID /repositories/2/archival_objects/45523

Unit Date 1957-1962

Mixed Materials 16 (box)

Container 3 (folder)

Publications: Biophysical Society abstracts

Unit ID /repositories/2/archival_objects/45524

Unit Date 1963-1967

Mixed Materials 16 (box)

Container 4 (folder)

Publications: Biophysical Journal Society abstracts

Unit ID /repositories/2/archival_objects/45525

Unit Date 1968-1969

Mixed Materials 16 (box)

Container 5 (folder)

Publications: Biophysical Society abstracts

Unit ID /repositories/2/archival_objects/45526

Unit Date February 25-27, 1970

Mixed Materials 16 (box)

Container 6 (folder)

Science and moral values, Bishops committee

Unit ID /repositories/2/archival_objects/45527

Unit Date 1996-1999

Mixed Materials 16 (box)

Container 7 (folder)

Correspondence: Miscellaneous

Unit ID /repositories/2/archival_objects/45528

Unit Date 1968-2011

Mixed Materials 16 (box)

Container 8 (folder)

Drafts and notes

Unit ID /repositories/2/archival_objects/45529

Unit Date 2000s

Mixed Materials 16 (box)

Container 9 (folder)

Scope and Content

Drafts and notes for "The Trinitarian World of Neo-Pantheism," "Athens and Jerusalem," "Teilhard's Two Energies," and Emergences chapter one

Press

Unit ID /repositories/2/archival_objects/45530

Unit Date 1993-2006

Mixed Materials 17 (box)

Container 1 (folder)

Carl Sagan's principle; Dr. Zhores Medvedev

Unit ID /repositories/2/archival_objects/45531

Unit Date 1961-2008

Mixed Materials 17 (box)

Container 2 (folder)

Report of the Matrix of Biological Knowledge workshop

Unit ID /repositories/2/archival_objects/45532

Unit Date October 30, 1987

Mixed Materials 17 (box)

Container 3 (folder)

Poughkeepsie High School diploma; Science Talent Search

Unit ID /repositories/2/archival_objects/45533

Unit Date 1944

Mixed Materials 17 (box)

Container 4 (folder)

Negacal

Unit ID /repositories/2/archival_objects/45534

Unit Date 1960s-1970s

Mixed Materials 17 (box)

Container 5 (folder)

Early writings

Unit ID /repositories/2/archival_objects/45535

Unit Date 1940s-1960s

Mixed Materials 17 (box)

Container 6 (folder)

Conference: The Brain, the Mind, and the Classroom / Arlie Center

Unit ID /repositories/2/archival_objects/45536

Unit Date 1998

Mixed Materials 17 (box)

Container 7 (folder)

Correspondence

Unit ID /repositories/2/archival_objects/45537

Unit Date 1989-2006

Mixed Materials 17 (box)

Container 8 (folder)

Whole Earth Catalog

Unit ID /repositories/2/archival_objects/45538

Unit Date 2007

Mixed Materials 17 (box)

Container 9 (folder)

Committee on Science and Human Values, Bishops committee

Unit ID /repositories/2/archival_objects/45539

Unit Date 1996-2007

Mixed Materials 17 (box)

Container 10 (folder)

Correspondence; articles; Biosphere 2

Unit ID /repositories/2/archival_objects/45540

Unit Date 1993-2010

Mixed Materials 17 (box)

Container 11 (folder)

The Master of Glynn (Peter Mitchell chronology)

Unit ID /repositories/2/archival_objects/45541

Unit Date circa 1980

Mixed Materials 17 (box)

Container 12 (folder)

Planetary Biology Subcommittee

Unit ID /repositories/2/archival_objects/45542

Unit Date 1968

Mixed Materials 17 (box)

Container 13 (folder)

Correspondence

Unit ID /repositories/2/archival_objects/45543

Unit Date 1976

Mixed Materials 17 (box)

Container 14 (folder)

Correspondence

Unit ID /repositories/2/archival_objects/45544

Unit Date September 1, 1974

Mixed Materials 17 (box)

Container 15 (folder)

Scope and Content

Morowitz to Yurig Gubkin,

Correspondence

Unit ID /repositories/2/archival_objects/45545

Unit Date 1960-1984

Mixed Materials 17 (box)

Container 16 (folder)

Correspondence

Unit ID /repositories/2/archival_objects/45546

Unit Date 1980-1988

Mixed Materials 17 (box)

Container 17 (folder)

Scope and Content

Letters received regarding articles from Hospital Practice,

Correspondence

Unit ID /repositories/2/archival_objects/45547

Unit Date 1975, 2000, 2010

Mixed Materials 17 (box)

Container 18 (folder)

Publications

Unit ID /repositories/2/archival_objects/45548

Unit Date 2013

Mixed Materials 17 (box)

Container 19 (folder)

Scope and Content

Teknos vol. XXII, introduction by Morowitz

Accession 2014.028

Unit ID /repositories/2/archival_objects/45549

Unit Date 1967-2013

Mixed Materials 1 (Accession 2014.028) (box)

Scope and Content

12 folders of correspondence and articles by Morowitz, some of which are unpublished.