

# Guide to the Harold J. Morowitz papers C0049

Harold J. Morowitz papers  
1944-2016



## Title Statement

Guide to the Harold J. Morowitz papers C0049

**Subtitle:** Harold J. Morowitz papers

**Author:** Eron Ackerman, Amanda Menjivar

## Publication Statement

**Publisher:** George Mason University. Libraries. Special Collections Research Center

Fenwick Library, MS2FL  
4400 University Dr.  
Fairfax, Virginia 22030  
Business Number: 703-993-2220  
Fax Number: 703-993-8911  
speccoll@gmu.edu  
URL: <https://scrc.gmu.edu>



2006

## Profile Description

**Creation:** This finding aid was produced using ArchivesSpace on 2025-07-29 07:03:09 -0400.

**Language Usage:** Description is written in: English, Latin script.

## Descriptive Summary

**Unit ID**

C0049

**Unit ID**

/repositories/2/resources/689

**Unit Date**

1944-2016

**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

13 Linear Feet 34 boxes

## Physical Location

R 22, C 2, S 1, 4-6 R 71, C 1, S 1

## Repository

George Mason University. Libraries. Special Collections Research Center

# Administrative Information

## Access Restrictions

There are no access restrictions.

## Use Restrictions

The copyright and related rights status of this collection have not been evaluated (See <http://rightsstatements.org/vocab/CNE/1.0/>)

## Acquisition Information

Collection donated by Harold Morowitz in 1997-1998. Additional donations by Harold Morowitz in 2011 and Lucille Morowitz in 2016.

## Processing Information

Processed by Special Collections Research Center staff. EAD markup completed in February 2009 by Eron Ackerman and Jordan Patty. Updated by Greta Kuriger Suiter in 2013. Additional materials processed and finding aid updated by Amanda Menjivar in 2017. Finding aid updated by Amanda Menjivar in February 2020. Additional processing completed and finding aid updated by Meghan Glasbrenner in April 2025.

## Preferred Citation

Harold J. Morowitz papers, C0049, Special Collections Research Center, George Mason University Libraries.

# Biographical Information

Harold Joseph Morowitz was 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. From 1993 on Morowitz directed the Krasnow Institute for Advanced Study. Dr. Morowitz authored and coauthored several books, including: *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. Dr. Morowitz passed away on March 22, 2016 in Falls Church, VA.

# Scope and Content

The Harold J. Morowitz papers 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; as well as working papers, correspondence, and other documents pertaining to Morowitz's academic career. Also included is original poetry written by Morowitz, 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

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

## Keywords

Biochemistry  
Biophysics  
College teachers--Virginia--Fairfax.  
Molecular biology.  
Philosophy.  
Poetry.  
Science  
George Mason University--Faculty

## Arrangement

This collection is arranged in original and acquisition order.

## Description of Subordinate Components

### Harold J. Morowitz papers

**Unit ID** /repositories/2/archival\_objects/180411

#### Photograph of class portrait

**Unit ID** /repositories/2/archival\_objects/180412

**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/180413

**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/180414

**Unit Date** 1960s

**mixed materials** 1 (Box)

**Container** 3 (Folder)

## **Chapters V and VI**

**Unit ID** /repositories/2/archival\_objects/180415

**Unit Date** 1966

**mixed materials** 1 (Box)

**Container** 4 (Folder)

## **Chapter III**

**Unit ID** /repositories/2/archival\_objects/180416

**Unit Date** 1960s

**mixed materials** 1 (Box)

**Container** 5 (Folder)

## **Calculations - Chapter IV**

**Unit ID** /repositories/2/archival\_objects/180417

**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/180418

**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/180419

**Unit Date** 1960s

**mixed materials** 1 (Box)

**Container** 8 (Folder)

## **A Thermodynamic Characterization of Self Reproduction (article)**

**Unit ID** /repositories/2/archival\_objects/180420

**Unit Date** April 1964

**mixed materials** 1 (Box)

**Container** 9 (Folder)

## **Lipids**

**Unit ID** /repositories/2/archival\_objects/180421

**Unit Date** 1960s

**mixed materials** 1 (Box)

**Container** 10 (Folder)

## **Appendix II (Stealy State Analysis of an Evolutionary Model System)**

**Unit ID** /repositories/2/archival\_objects/180422

**Unit Date** 1960s

**mixed materials** 1 (Box)

**Container** 11 (Folder)

**Dr. Morowitz**

**Unit ID** /repositories/2/archival\_objects/180423

**Unit Date** 1967

**mixed materials** 1 (Box)

**Container** 12 (Folder)

**Scope and Contents**

Handwritten notes and correspondence

**Dr. Morowitz**

**Unit ID** /repositories/2/archival\_objects/180424

**Unit Date** 1960s

**mixed materials** 2 (Box)

**Container** 1 (Folder)

**Scope and Contents**

Notes for Energy Flow in Biological Systems

**Energy Flow in Biological Systems chapter III draft**

**Unit ID** /repositories/2/archival\_objects/180425

**Unit Date** 1960s

**mixed materials** 2 (Box)

**Container** 2 (Folder)

**Energy Flow in Biological Systems chapter IV draft**

**Unit ID** /repositories/2/archival\_objects/180426

**Unit Date** 1960s

**mixed materials** 2 (Box)

**Container** 3 (Folder)

**Energy Flow in Biological Systems chapter V draft**

**Unit ID** /repositories/2/archival\_objects/180427

**Unit Date** 1960s

**mixed materials** 2 (Box)

**Container** 4 (Folder)

**Energy Flow in Biological Systems chapter VI draft**

**Unit ID** /repositories/2/archival\_objects/180428

**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/180429

**Unit Date** 1992

**mixed materials** 2 (Box)

**Container** 6 (Folder)

**Drafts of Beginnings of Cellular Life**

**Unit ID** /repositories/2/archival\_objects/180430

**Unit Date** 1992

**mixed materials** 2 (Box)

**Container** 7 (Folder)

**Index for page proof of proof****Unit ID** /repositories/2/archival\_objects/180431**Unit Date** 1992**mixed materials** 2 (Box)**Container** 8 (Folder)**Draft of The Facts of Life****Unit ID** /repositories/2/archival\_objects/180432**Unit Date** 1992-1993**mixed materials** 2 (Box)**Container** 9 (Folder)**The Facts of Life: author's copy****Unit ID** /repositories/2/archival\_objects/180433**Unit Date** 1992**mixed materials** 3 (Box)**Container** 1 (Folder)**Photosynthetic efficiency, a misuse of thermodynamics****Unit ID** /repositories/2/archival\_objects/180434**Unit Date** 1970s-1980s**mixed materials** 3 (Box)**Container** 2 (Folder)**Salt melting (Halophilic bacteria)****Unit ID** /repositories/2/archival\_objects/180435**Unit Date** 1992-1995**mixed materials** 3 (Box)**Container** 3 (Folder)**Prince William Institute****Unit ID** /repositories/2/archival\_objects/180436**Unit Date** 1994-1995**mixed materials** 3 (Box)**Container** 4 (Folder)**Bioinformatics workshop****Unit ID** /repositories/2/archival\_objects/180437**Unit Date** 1997-1998**mixed materials** 3 (Box)**Container** 5 (Folder)**Publications****Unit ID** /repositories/2/archival\_objects/180438**Unit Date** 1968-2000**mixed materials** 3 (Box)**Container** 6 (Folder)

**Frogs (1 of 2)**

**Unit ID** /repositories/2/archival\_objects/180439

**Unit Date** 1989-1998

**mixed materials** 3 (Box)

**Container** 7 (Folder)

**Scope and Contents**

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

**Frogs (2 of 2)**

**Unit ID** /repositories/2/archival\_objects/180440

**Unit Date** 1990

**mixed materials** 3 (Box)

**Container** 8 (Folder)

**Peace Agency**

**Unit ID** /repositories/2/archival\_objects/180441

**Unit Date** 1959-1961

**mixed materials** 4 (Box)

**Container** 1 (Folder)

**Back contamination Apollo 11**

**Unit ID** /repositories/2/archival\_objects/180442

**Unit Date** June 4, 1969

**mixed materials** 4 (Box)

**Container** 2 (Folder)

**Quastler, Henry**

**Unit ID** /repositories/2/archival\_objects/180443

**Unit Date** 1957-1963

**mixed materials** 4 (Box)

**Container** 3 (Folder)

**Theoretical Biology Committee**

**Unit ID** /repositories/2/archival\_objects/180444

**Unit Date** 1969-1970

**mixed materials** 4 (Box)

**Container** 4 (Folder)

**Theoretical Biology Colloquium - Traverse City, MI**

**Unit ID** /repositories/2/archival\_objects/180445

**Unit Date** 1968

**mixed materials** 4 (Box)

**Container** 5 (Folder)

**Biology training for Apollo astronauts**

**Unit ID** /repositories/2/archival\_objects/180446

**Unit Date** 1958-1971

**mixed materials** 4 (Box)

**Container** 6 (Folder)

**Medvedev****Unit ID** /repositories/2/archival\_objects/180447**Unit Date** 1960-1961**mixed materials** 4 (Box)**Container** 7 (Folder)**Bronowski****Unit ID** /repositories/2/archival\_objects/180448**Unit Date** 1973**mixed materials** 4 (Box)**Container** 8 (Folder)**A Germ of Truth manuscript****Unit ID** /repositories/2/archival\_objects/180449**Unit Date** undated**mixed materials** 4 (Box)**Container** 9 (Folder)**Logue, Frank****Unit ID** /repositories/2/archival\_objects/180450**Unit Date** 1976**mixed materials** 4 (Box)**Container** 10 (Folder)**Thomas, Lewis****Unit ID** /repositories/2/archival\_objects/180451**Unit Date** June 9, 1976**mixed materials** 4 (Box)**Container** 11 (Folder)**Watson; Sinshiemer****Unit ID** /repositories/2/archival\_objects/180452**Unit Date** June-July 1961**mixed materials** 4 (Box)**Container** 12 (Folder)**Kendrew, John****Unit ID** /repositories/2/archival\_objects/180453**Unit Date** November 13, 1961**mixed materials** 4 (Box)**Container** 13 (Folder)**Gell-Mann, Murray****Unit ID** /repositories/2/archival\_objects/180454**Unit Date** January 23, 1967**mixed materials** 4 (Box)**Container** 14 (Folder)

**Sagan, Carl****Unit ID** /repositories/2/archival\_objects/180455**Unit Date** 1969; 1971**mixed materials** 4 (Box)**Container** 15 (Folder)**Palade, George****Unit ID** /repositories/2/archival\_objects/180456**Unit Date** May 4, 1970**mixed materials** 4 (Box)**Container** 16 (Folder)**Mitchell, Peter****Unit ID** /repositories/2/archival\_objects/180457**Unit Date** May 27, 1977**mixed materials** 4 (Box)**Container** 17 (Folder)**Nobel Prize****Unit ID** /repositories/2/archival\_objects/180458**Unit Date** February 16, 1977**mixed materials** 4 (Box)**Container** 18 (Folder)**Lipmann, Fritz****Unit ID** /repositories/2/archival\_objects/180459**Unit Date** July 14, 1977**mixed materials** 4 (Box)**Container** 19 (Folder)**Woese, C. R.****Unit ID** /repositories/2/archival\_objects/180460**Unit Date** August-September 1977**mixed materials** 4 (Box)**Container** 20 (Folder)**Grasso, Ella****Unit ID** /repositories/2/archival\_objects/180461**Unit Date** April 11, 1980**mixed materials** 4 (Box)**Container** 21 (Folder)**Vatican****Unit ID** /repositories/2/archival\_objects/180462**Unit Date** December 12, 1986**mixed materials** 4 (Box)**Container** 22 (Folder)

**Altman, Sidney**

**Unit ID** /repositories/2/archival\_objects/180463

**Unit Date** October 6, 1986

**mixed materials** 4 (Box)

**Container** 23 (Folder)

**Snyder, Gary**

**Unit ID** /repositories/2/archival\_objects/180464

**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/180465

**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/180466

**Unit Date** undated

**mixed materials** 4 (Box)

**Container** 26 (Folder)

**La Ronde: Poems by Harold J. Morowitz**

**Unit ID** /repositories/2/archival\_objects/180467

**Unit Date** 1975

**mixed materials** 4 (Box)

**Container** 27 (Folder)

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

**Unit ID** /repositories/2/archival\_objects/180468

**Unit Date** 1990-1991

**mixed materials** 4 (Box)

**Container** 28 (Folder)

**Murray Gell - Man Birthday**

**Unit ID** /repositories/2/archival\_objects/180469

**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/180470

**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/180471

**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/180472

**Unit Date** 1981

**mixed materials** 5 (Box)

**Container** 4 (Folder)

**Arkansas Creation Trial newspaper clippings (3 of 3)**

**Unit ID** /repositories/2/archival\_objects/180473

**Unit Date** 1981-1982

**mixed materials** 5 (Box)

**Container** 5 (Folder)

**Civil Liberties - ACLU, Louisiana, creationism**

**Unit ID** /repositories/2/archival\_objects/180474

**Unit Date** 1985

**mixed materials** 5 (Box)

**Container** 6 (Folder)

**ACLU - Arkansas (1 of 2)**

**Unit ID** /repositories/2/archival\_objects/180475

**Unit Date** 1981

**mixed materials** 5 (Box)

**Container** 7 (Folder)

**ACLU - Arkansas (2 of 2)**

**Unit ID** /repositories/2/archival\_objects/180476

**Unit Date** 1981-1982

**mixed materials** 5 (Box)

**Container** 8 (Folder)

**Gary Snyder**

**Unit ID** /repositories/2/archival\_objects/180477

**Unit Date** 1983-1991

**mixed materials** 5 (Box)

**Container** 9 (Folder)

**The Ecology of Ego Niches manuscript**

**Unit ID** /repositories/2/archival\_objects/180478

**Unit Date** undated

**mixed materials** 5 (Box)

**Container** 10 (Folder)

**Beat Poets post card**

**Unit ID** /repositories/2/archival\_objects/180479

**Unit Date** circa 1970

**mixed materials** 5 (Box)

**Container** 11 (Folder)

**Arrow, Kenneth J.**

**Unit ID** /repositories/2/archival\_objects/180480

**Unit Date** April 30, 1991

**mixed materials** 5 (Box)

**Container** 12 (Folder)

**Planetary Biology Subcommittee (NASA)**

**Unit ID** /repositories/2/archival\_objects/180481

**Unit Date** 1966-1970

**mixed materials** 5 (Box)

**Container** 13 (Folder)

**Entry Talk, Poem: Biosphere II**

**Unit ID** /repositories/2/archival\_objects/180482

**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/180483

**Unit Date** circa 1970s

**mixed materials** 5 (Box)

**Container** 15 (Folder)

**"Gloaming" broadside by Michael McClure**

**Unit ID** /repositories/2/archival\_objects/180484

**Unit Date** March 1986

**mixed materials** 5 (Box)

**Container** 16 (Folder)

**Complexity Editorial Board (1 of 2)**

**Unit ID** /repositories/2/archival\_objects/180485

**Unit Date** 1991-1994

**mixed materials** 5 (Box)

**Container** 17 (Folder)

**Complexity Editorial Board (1 of 2)**

**Unit ID** /repositories/2/archival\_objects/180486

**Unit Date** 1990-1991

**mixed materials** 5 (Box)

**Container** 18 (Folder)

**Complexity, v.3, No.1**

**Unit ID** /repositories/2/archival\_objects/180487

**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/180488

**Unit Date** 1990

**mixed materials** 5 (Box)

**Container** 20 (Folder)

**Buckley, William F., Jr.**

**Unit ID** /repositories/2/archival\_objects/180489

**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/180490

**Unit Date** 1988-1990

**mixed materials** 6 (Box)

**Container** 1 (Folder)

**Encyclopedia of Scientific Concepts (2 of 2)**

**Unit ID** /repositories/2/archival\_objects/180491

**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/180492

**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/180493

**Unit Date** 1993-1995

**mixed materials** 6 (Box)

**Container** 4 (Folder)

**Creation - Science Research Center**

**Unit ID** /repositories/2/archival\_objects/180494

**Unit Date** August 24, 1976

**mixed materials** 6 (Box)

**Container** 5 (Folder)

**Facts of Life (1 of 2)****Unit ID** /repositories/2/archival\_objects/180495**Unit Date** 1989-1992**mixed materials** 6 (Box)**Container** 6 (Folder)**Facts of Life (2 of 2)****Unit ID** /repositories/2/archival\_objects/180496**Unit Date** 1991-1992**mixed materials** 6 (Box)**Container** 7 (Folder)**Hospital Practice mail (1 of 3)****Unit ID** /repositories/2/archival\_objects/180497**Unit Date** 1982-1995**mixed materials** 6 (Box)**Container** 8 (Folder)**Hospital Practice mail (2 of 3)****Unit ID** /repositories/2/archival\_objects/180498**Unit Date** 1977-1982**mixed materials** 6 (Box)**Container** 9 (Folder)**Hospital Practice mail (3 of 3)****Unit ID** /repositories/2/archival\_objects/180499**Unit Date** 1973-1982**mixed materials** 7 (Box)**Container** 1 (Folder)**Draft of The Kindly Dr. Guillotin****Unit ID** /repositories/2/archival\_objects/180500**Unit Date** 1991-1997**mixed materials** 7 (Box)**Container** 2 (Folder)**Biomatrix****Unit ID** /repositories/2/archival\_objects/180501**Unit Date** 1991-1992**mixed materials** 7 (Box)**Container** 3 (Folder)**Diffusion During Solvent Transport by Poiseuille Flow****Unit ID** /repositories/2/archival\_objects/180502**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/180503

**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/180504

**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/180505

**Unit Date** 1955

**mixed materials** 7 (Box)

**Container** 7 (Folder)

**Gerald Edelman**

**Unit ID** /repositories/2/archival\_objects/180506

**Unit Date** May 5, 1997

**mixed materials** 7 (Box)

**Container** 8 (Folder)

**Godel Numbers**

**Unit ID** /repositories/2/archival\_objects/180507

**Unit Date** 1967

**mixed materials** 7 (Box)

**Container** 9 (Folder)

**Lord Snow**

**Unit ID** /repositories/2/archival\_objects/180508

**Unit Date** February 20, 1970

**mixed materials** 7 (Box)

**Container** 10 (Folder)

**Journal of Irreproducible Results**

**Unit ID** /repositories/2/archival\_objects/180509

**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/180510

**Unit Date** 1966

**mixed materials** 7 (Box)

**Container** 12 (Folder)

### **Taming Combinatorial Explosion**

**Unit ID** /repositories/2/archival\_objects/180511

**Unit Date** July 5, 2000

**mixed materials** 7 (Box)

**Container** 13 (Folder)

### **Hospital Practice**

**Unit ID** /repositories/2/archival\_objects/180512

**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/180513

**Unit Date** 1993

**mixed materials** 7 (Box)

**Container** 15 (Folder)

### **Publications**

**Unit ID** /repositories/2/archival\_objects/180514

**Unit Date** 1968-1972

**mixed materials** 7 (Box)

**Container** 16 (Folder)

### **The Origin of Intermediary Metabolism**

**Unit ID** /repositories/2/archival\_objects/180515

**Unit Date** July 5, 2000

**mixed materials** 7 (Box)

**Container** 17 (Folder)

### **Self Replicating Machines**

**Unit ID** /repositories/2/archival\_objects/180516

**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/180517

**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/180518

**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/180519

**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/180520

**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/180521

**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/180522

**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/180523

**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/180524

**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/180525

**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/180526

**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/180527

**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/180528

**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/180529

**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/180530

**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/180531

**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/180532

**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/180533

**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/180534

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 16 (Folder)

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

**Unit ID** /repositories/2/archival\_objects/180535

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 17 (Folder)

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

**Unit ID** /repositories/2/archival\_objects/180536

**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/180537

**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/180538

**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/180539

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 21 (Folder)

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

**Unit ID** /repositories/2/archival\_objects/180540

**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/180541

**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/180542

**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/180543

**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/180544

**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/180545

**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/180546

**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/180547

**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/180548

**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/180549

**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/180550

**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/180551

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 33 (Folder)

**Biomatrix meeting and primer**

**Unit ID** /repositories/2/archival\_objects/180552

**Unit Date** 1989-1991

**mixed materials** 8 (Box)

**Container** 34 (Folder)

**Anti-Chaos, Teleology, and Teilhard talk**

**Unit ID** /repositories/2/archival\_objects/180553

**Unit Date** 1990

**mixed materials** 8 (Box)

**Container** 35 (Folder)

**New Program at NSF**

**Unit ID** /repositories/2/archival\_objects/180554

**Unit Date** May 14, 2001

**mixed materials** 8 (Box)

**Container** 36 (Folder)

**Research and correspondence for Emergence**

**Unit ID** /repositories/2/archival\_objects/180555

**Unit Date** 2001-2002

**mixed materials** 8 (Box)

**Container** 37 (Folder)

**Emergences: Edited papers**

**Unit ID** /repositories/2/archival\_objects/180556

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 38 (Folder)

**Emergences: Preface**

**Unit ID** /repositories/2/archival\_objects/180557

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 39 (Folder)

**Emergences: Contents**

**Unit ID** /repositories/2/archival\_objects/180558

**Unit Date** 1999

**mixed materials** 8 (Box)

**Container** 40 (Folder)

**Emergences: Chapter 1****Unit ID** /repositories/2/archival\_objects/180559**Unit Date** 1999**mixed materials** 8 (Box)**Container** 41 (Folder)**Emergences: Chapter 2****Unit ID** /repositories/2/archival\_objects/180560**Unit Date** 1999**mixed materials** 8 (Box)**Container** 42 (Folder)**Emergences: Chapter 3****Unit ID** /repositories/2/archival\_objects/180561**Unit Date** 1999**mixed materials** 9 (Box)**Container** 1 (Folder)**Emergences: Chapter 4****Unit ID** /repositories/2/archival\_objects/180562**Unit Date** 1999**mixed materials** 9 (Box)**Container** 2 (Folder)**Emergences: Chapter 5****Unit ID** /repositories/2/archival\_objects/180563**Unit Date** 1999**mixed materials** 9 (Box)**Container** 3 (Folder)**Emergences: Chapter 6****Unit ID** /repositories/2/archival\_objects/180564**Unit Date** 1999**mixed materials** 9 (Box)**Container** 4 (Folder)**Emergences: Chapter 7****Unit ID** /repositories/2/archival\_objects/180565**Unit Date** 1999**mixed materials** 9 (Box)**Container** 5 (Folder)**Emergences: Chapter 8****Unit ID** /repositories/2/archival\_objects/180566**Unit Date** 1999**mixed materials** 9 (Box)**Container** 6 (Folder)

**Emergences: Chapter 9****Unit ID** /repositories/2/archival\_objects/180567**Unit Date** 1999**mixed materials** 9 (Box)**Container** 7 (Folder)**Emergences: Chapter 10****Unit ID** /repositories/2/archival\_objects/180568**Unit Date** 1999**mixed materials** 9 (Box)**Container** 8 (Folder)**Emergences: Chapter 11****Unit ID** /repositories/2/archival\_objects/180569**Unit Date** 1999**mixed materials** 9 (Box)**Container** 9 (Folder)**Emergences: Chapter 12****Unit ID** /repositories/2/archival\_objects/180570**Unit Date** 1999**mixed materials** 9 (Box)**Container** 10 (Folder)**Emergences: Chapter 13****Unit ID** /repositories/2/archival\_objects/180571**Unit Date** 1999**mixed materials** 9 (Box)**Container** 11 (Folder)**Emergences: Chapter 14****Unit ID** /repositories/2/archival\_objects/180572**Unit Date** 1999**mixed materials** 9 (Box)**Container** 12 (Folder)**Emergences: Chapter 15****Unit ID** /repositories/2/archival\_objects/180573**Unit Date** 1999**mixed materials** 9 (Box)**Container** 13 (Folder)**Emergences: Chapter 16****Unit ID** /repositories/2/archival\_objects/180574**Unit Date** 1999**mixed materials** 9 (Box)**Container** 14 (Folder)

**Emergences: Chapter 17****Unit ID** /repositories/2/archival\_objects/180575**Unit Date** 1999**mixed materials** 9 (Box)**Container** 15 (Folder)**Emergences: Chapter 18****Unit ID** /repositories/2/archival\_objects/180576**Unit Date** 1999**mixed materials** 9 (Box)**Container** 16 (Folder)**Emergences: Chapter 19****Unit ID** /repositories/2/archival\_objects/180577**Unit Date** 1999**mixed materials** 9 (Box)**Container** 17 (Folder)**Emergences: Chapter 20****Unit ID** /repositories/2/archival\_objects/180578**Unit Date** 1999**mixed materials** 9 (Box)**Container** 18 (Folder)**Emergences: Chapter 21****Unit ID** /repositories/2/archival\_objects/180579**Unit Date** 1999**mixed materials** 9 (Box)**Container** 19 (Folder)**Emergences: Chapter 22****Unit ID** /repositories/2/archival\_objects/180580**Unit Date** 1999**mixed materials** 9 (Box)**Container** 20 (Folder)**Emergences: Chapter 23****Unit ID** /repositories/2/archival\_objects/180581**Unit Date** 1999**mixed materials** 9 (Box)**Container** 21 (Folder)**Emergences: Chapter 24****Unit ID** /repositories/2/archival\_objects/180582**Unit Date** 1999**mixed materials** 9 (Box)**Container** 22 (Folder)

**Emergences: Chapter 25**

**Unit ID** /repositories/2/archival\_objects/180583

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 23 (Folder)

**Emergences: Chapter 26**

**Unit ID** /repositories/2/archival\_objects/180584

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 24 (Folder)

**Emergences: Chapter 27**

**Unit ID** /repositories/2/archival\_objects/180585

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 25 (Folder)

**Emergences: Chapter 28**

**Unit ID** /repositories/2/archival\_objects/180586

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 26 (Folder)

**Emergences: Chapter 29**

**Unit ID** /repositories/2/archival\_objects/180587

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 27 (Folder)

**Emergences: Chapter 30**

**Unit ID** /repositories/2/archival\_objects/180588

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 28 (Folder)

**Emergences: Chapter 31**

**Unit ID** /repositories/2/archival\_objects/180589

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 29 (Folder)

**Emergences: Chapter 32**

**Unit ID** /repositories/2/archival\_objects/180590

**Unit Date** 1999

**mixed materials** 9 (Box)

**Container** 30 (Folder)

**Emergences: Chapter 33**

**Unit ID** /repositories/2/archival\_objects/180591

**Unit Date** 1999

**mixed materials** 10 (Box)

**Container** 1 (Folder)

**Emergences: Chapter 34**

**Unit ID** /repositories/2/archival\_objects/180592

**Unit Date** 1999

**mixed materials** 10 (Box)

**Container** 2 (Folder)

**Emergences: Chapter 35**

**Unit ID** /repositories/2/archival\_objects/180593

**Unit Date** 1999

**mixed materials** 10 (Box)

**Container** 3 (Folder)

**Emergences: Chapter 36**

**Unit ID** /repositories/2/archival\_objects/180594

**Unit Date** 1999

**mixed materials** 10 (Box)

**Container** 4 (Folder)

**Mycoplasma (1 of 2)**

**Unit ID** /repositories/2/archival\_objects/180595

**Unit Date** 1962-2002

**mixed materials** 10 (Box)

**Container** 5 (Folder)

**Mycoplasma (2 of 2)**

**Unit ID** /repositories/2/archival\_objects/180596

**Unit Date** 1959-1963

**mixed materials** 10 (Box)

**Container** 6 (Folder)

**History of bioenergetics: Franklin Harold**

**Unit ID** /repositories/2/archival\_objects/180597

**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/180598

**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/180599

**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/180600

**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/180601

**Unit Date** 1977-1984

**mixed materials** 10 (Box)

**Container** 11 (Folder)

**History of bioenergetics: E. C. Slater**

**Unit ID** /repositories/2/archival\_objects/180602

**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/180603

**Unit Date** 1980

**mixed materials** 10 (Box)

**Container** 13 (Folder)

**Protonic Semiconductors by Lars Onsager**

**Unit ID** /repositories/2/archival\_objects/180604

**Unit Date** 1968-1969

**mixed materials** 10 (Box)

**Container** 14 (Folder)

**History of bioenergetics research proposal and correspondence**

**Unit ID** /repositories/2/archival\_objects/180605

**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/180606

**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/180607

**Unit Date** 1975-1980

**mixed materials** 11 (Box)

**Container** 2 (Folder)

**History of bioenergetics: Correspondence and notes**

**Unit ID** /repositories/2/archival\_objects/180608

**Unit Date** 1979-1980

**mixed materials** 11 (Box)

**Container** 3 (Folder)

**Oxidative Phosphoylations notes**

**Unit ID** /repositories/2/archival\_objects/180609

**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/180610

**Unit Date** January 6, 1981

**mixed materials** 11 (Box)

**Container** 5 (Folder)

**Correspondence: The Kindly Dr. Guillotin**

**Unit ID** /repositories/2/archival\_objects/180611

**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/180612

**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/180613

**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/180614**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/180615**Unit Date** May 8, 1982**mixed materials** 11 (Box)**Container** 10 (Folder)**Patent on making negative ions****Unit ID** /repositories/2/archival\_objects/180616**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/180617**Unit Date** July 5, 1972**mixed materials** 11 (Box)**Container** 12 (Folder)**History of bioenergetics: Correspondence and research****Unit ID** /repositories/2/archival\_objects/180618**Unit Date** 1954-1981**mixed materials** 11 (Box)**Container** 13 (Folder)**Wikstrom, Marten****Unit ID** /repositories/2/archival\_objects/180619**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/180620**Unit Date** 1966**mixed materials** 11 (Box)**Container** 15 (Folder)**Morowitz notes and calculations****Unit ID** /repositories/2/archival\_objects/180621**Unit Date** circa 1940s-1950s**mixed materials** 11 (Box)**Container** 16 (Folder)

**My Laboratory by Morowitz****Unit ID** /repositories/2/archival\_objects/180622**Unit Date** circa 1940s-1950s**mixed materials** 11 (Box)**Container** 17 (Folder)**Charts on a experiment****Unit ID** /repositories/2/archival\_objects/180623**Unit Date** February 2-8, 1961**mixed materials** 11 (Box)**Container** 18 (Folder)**Labor Party at Yale****Unit ID** /repositories/2/archival\_objects/180624**Unit Date** 1944-1948**mixed materials** 11 (Box)**Container** 19 (Folder)**Essay on Ivan Puluj titled "Continuing Education" by Morowitz****Unit ID** /repositories/2/archival\_objects/180625**Unit Date** undated**mixed materials** 11 (Box)**Container** 20 (Folder)**Physics 32b class notes, relativity dynamics****Unit ID** /repositories/2/archival\_objects/180626**Unit Date** circa 1940s**mixed materials** 12 (Box)**Container** 1 (Folder)**Physics 100 notes****Unit ID** /repositories/2/archival\_objects/180627**Unit Date** circa 1940s**mixed materials** 12 (Box)**Container** 2 (Folder)**Physics 100 notes (photocopy)****Unit ID** /repositories/2/archival\_objects/180628**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/180629**Unit Date** 1976**mixed materials** 12 (Box)**Container** 4 (Folder)

### **History of bioenergetics: Notes on Peter Mitchell biography**

**Unit ID** /repositories/2/archival\_objects/180630

**Unit Date** circa 1980

**mixed materials** 12 (Box)

**Container** 5 (Folder)

### **History of bioenergetics: articles**

**Unit ID** /repositories/2/archival\_objects/180631

**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/180632

**Unit Date** 1960-1980

**mixed materials** 12 (Box)

**Container** 7 (Folder)

### **Notes for autobiography**

**Unit ID** /repositories/2/archival\_objects/180633

**Unit Date** undated

**mixed materials** 12 (Box)

**Container** 8 (Folder)

### **Autobiography: The Slithey Phage**

**Unit ID** /repositories/2/archival\_objects/180634

**Unit Date** undated

**mixed materials** 13 (Box)

**Container** 1 (Folder)

### **Peter Mitchell articles (1 of 3)**

**Unit ID** /repositories/2/archival\_objects/180635

**Unit Date** 1953-1977

**mixed materials** 13 (Box)

**Container** 2 (Folder)

### **Peter Mitchell articles (2 of 3)**

**Unit ID** /repositories/2/archival\_objects/180636

**Unit Date** 1958-1980

**mixed materials** 13 (Box)

**Container** 3 (Folder)

### **Peter Mitchell articles (3 of 3)**

**Unit ID** /repositories/2/archival\_objects/180637

**Unit Date** 1976; 1980

**mixed materials** 13 (Box)

**Container** 4 (Folder)

**Tardigrades****Unit ID** /repositories/2/archival\_objects/180638**Unit Date** 1957-1967**mixed materials** 13 (Box)**Container** 5 (Folder)**Introduction Biology Course - Advanced, notes for publication****Unit ID** /repositories/2/archival\_objects/180639**Unit Date** 1970s**mixed materials** 13 (Box)**Container** 6 (Folder)**Scientific correspondence: S. L. Slater, Universiteit Van Amsterdam****Unit ID** /repositories/2/archival\_objects/180640**Unit Date** February 4, 1977**mixed materials** 13 (Box)**Container** 7 (Folder)**Scientific correspondence: R. N. Robertson****Unit ID** /repositories/2/archival\_objects/180641**Unit Date** June 23, 1976**mixed materials** 13 (Box)**Container** 8 (Folder)**Scientific correspondence: Andre, Cornell University****Unit ID** /repositories/2/archival\_objects/180642**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/180643**Unit Date** June 29, 1976**mixed materials** 13 (Box)**Container** 10 (Folder)**Scientific correspondence: Dr. Peter Mitchell****Unit ID** /repositories/2/archival\_objects/180644**Unit Date** June 4, 1976**mixed materials** 13 (Box)**Container** 11 (Folder)**Epistemology****Unit ID** /repositories/2/archival\_objects/180645**Unit Date** 1978-1979**mixed materials** 13 (Box)**Container** 12 (Folder)

**Correspondence - Includes correspondence from Chester Bowles, David Brinkley, Prescott Bush, Chet Huntley, Henry Jackson, John F. Kennedy, Richard Nixon, Abraham Ribicoff, Carl Sagan, and Stuart Symington**

**Unit ID** /repositories/2/archival\_objects/180646

**Unit Date** 1959-1970

**mixed materials** 13 (Box)

**Container** 13 (Folder)

**Teilhard's Two Energies**

**Unit ID** /repositories/2/archival\_objects/180647

**Unit Date** 1990-1994

**mixed materials** 13 (Box)

**Container** 14 (Folder)

**South Pacific**

**Unit ID** /repositories/2/archival\_objects/180648

**Unit Date** 1973-1976

**mixed materials** 13 (Box)

**Container** 15 (Folder)

**Whale census**

**Unit ID** /repositories/2/archival\_objects/180649

**Unit Date** 1983-1996

**mixed materials** 14 (Box)

**Container** 1 (Folder)

**Correspondence: Lynn Margulis**

**Unit ID** /repositories/2/archival\_objects/180650

**Unit Date** 1994-1995

**mixed materials** 14 (Box)

**Container** 2 (Folder)

**Ernest C. Pollard lecture**

**Unit ID** /repositories/2/archival\_objects/180651

**Unit Date** 1972-1978

**mixed materials** 14 (Box)

**Container** 3 (Folder)

**Correspondence: Lars Onsager**

**Unit ID** /repositories/2/archival\_objects/180652

**Unit Date** September 27, 1976

**mixed materials** 14 (Box)

**Container** 4 (Folder)

**Simplistic roots of complexity**

**Unit ID** /repositories/2/archival\_objects/180653

**Unit Date** circa 1990s

**mixed materials** 14 (Box)

**Container** 5 (Folder)

**Complexity 2**

**Unit ID** /repositories/2/archival\_objects/180654

**Unit Date** 1962; 1991-1996

**mixed materials** 14 (Box)

**Container** 6 (Folder)

**Paper on cloning and bioethics**

**Unit ID** /repositories/2/archival\_objects/180655

**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/180656

**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/180657

**Unit Date** circa 2000s

**mixed materials** 14 (Box)

**Container** 9 (Folder)

**Kinetic Treatment of the Steady State**

**Unit ID** /repositories/2/archival\_objects/180658

**Unit Date** 1965

**mixed materials** 14 (Box)

**Container** 10 (Folder)

**Charles Black**

**Unit ID** /repositories/2/archival\_objects/180659

**Unit Date** 1980s; 2002

**mixed materials** 14 (Box)

**Container** 11 (Folder)

**Scope and Contents**

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/180660

**Unit Date** December 6-8, 2001

**mixed materials** 14 (Box)

**Container** 12 (File)

**Autobiographical text: "The Biologist,"**

**Unit ID** /repositories/2/archival\_objects/180661

**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/180662

**Unit Date** 2000s

**mixed materials** 14 (Box)

**Container** 14 (Folder)

**Co-authored articles**

**Unit ID** /repositories/2/archival\_objects/180663

**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/180664

**Unit Date** 1996-2003

**mixed materials** 14 (Box)

**Container** 10 (Folder)

**Correspondence: David Fisher regarding Hospital Practice**

**Unit ID** /repositories/2/archival\_objects/180665

**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/180666

**Unit Date** 1997

**mixed materials** 14 (Box)

**Container** 18 (Folder)

**George Mason University bioinformatics program**

**Unit ID** /repositories/2/archival\_objects/180667

**Unit Date** 1988-1989

**mixed materials** 14 (Box)

**Container** 19 (Folder)

**What is Life? by Lee Smolin**

**Unit ID** /repositories/2/archival\_objects/180668

**Unit Date** 1990

**mixed materials** 14 (Box)

**Container** 20 (Folder)

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

**Unit ID** /repositories/2/archival\_objects/180669

**Unit Date** 1990s

**mixed materials** 14 (Box)

**Container** 21 (Folder)

### **Thermo-biology papers**

**Unit ID** /repositories/2/archival\_objects/180670

**Unit Date** 1964-1965

**mixed materials** 14 (Box)

**Container** 22 (Folder)

### **Matrix of biological knowledge**

**Unit ID** /repositories/2/archival\_objects/180671

**Unit Date** 1985-1988

**mixed materials** 14 (Box)

**Container** 23 (Folder)

#### **Scope and Contents**

Includes six photographs of Morowitz and others in a work environment

### **Correspondence: Henry Luce III**

**Unit ID** /repositories/2/archival\_objects/180672

**Unit Date** 1985-1986

**mixed materials** 14 (Box)

**Container** 24 (Folder)

### **Competitive exclusion**

**Unit ID** /repositories/2/archival\_objects/180673

**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/180674

**Unit Date** 1953-2005

**mixed materials** 14 (Box)

**Container** 20 (Folder)

#### **Scope and Contents**

Includes a photograph of a group portrait from 1953

### **Press: Dallas Morning News, SFI Bulletin**

**Unit ID** /repositories/2/archival\_objects/180675

**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/180676

**Unit Date** 1996

**mixed materials** 14 (Box)

**Container** 28 (Folder)

### **Correspondence: Doris and Dick Schuster**

**Unit ID** /repositories/2/archival\_objects/180677

**Unit Date** 1978

**mixed materials** 15 (Box)

**Container** 1 (Folder)

**Entropy, Information and All That book review****Unit ID** /repositories/2/archival\_objects/180678**Unit Date** 1969**mixed materials** 15 (Box)**Container** 2 (Folder)**Mutagens in Foods and Spices****Unit ID** /repositories/2/archival\_objects/180679**Unit Date** 1993**mixed materials** 15 (Box)**Container** 3 (Folder)**Planetary Coral Reef Foundation****Unit ID** /repositories/2/archival\_objects/180680**Unit Date** 2000**mixed materials** 15 (Box)**Container** 4 (Folder)**Biosphere 2: Various****Unit ID** /repositories/2/archival\_objects/180681**Unit Date** 1992-1993**mixed materials** 15 (Box)**Container** 5 (Folder)**Biosphere 2: Magazines and newsletters****Unit ID** /repositories/2/archival\_objects/180682**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/180683**Unit Date** 1994-1998**mixed materials** 15 (Box)**Container** 7 (Folder)**Biosphere 2: News articles****Unit ID** /repositories/2/archival\_objects/180684**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/180685**Unit Date** 1996**mixed materials** 15 (Box)**Container** 9 (Folder)

**Biosphere 2: Misconceptions and problems****Unit ID** /repositories/2/archival\_objects/180686**Unit Date** 1992-1994**mixed materials** 15 (Box)**Container** 10 (Folder)**Biosphere 2: Brochures, maps, and media****Unit ID** /repositories/2/archival\_objects/180687**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/180688**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/180689**Unit Date** 1992-1993**mixed materials** 15 (Box)**Container** 13 (Folder)**Biosphere 2: Reports and results****Unit ID** /repositories/2/archival\_objects/180690**Unit Date** 1992-1993**mixed materials** 15 (Box)**Container** 14 (Folder)**Biosphere 2: Correspondence****Unit ID** /repositories/2/archival\_objects/180691**Unit Date** 1993-1995**mixed materials** 16 (Box)**Container** 1 (Folder)**Biosphere 2: Presentation and poem****Unit ID** /repositories/2/archival\_objects/180692**Unit Date** 1993; 2005**mixed materials** 16 (Box)**Container** 2 (Folder)**Scope and Contents**

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/180693**Unit Date** 1957-1962**mixed materials** 16 (Box)**Container** 3 (Folder)

**Publications: Biophysical Society abstracts**

**Unit ID** /repositories/2/archival\_objects/180694

**Unit Date** 1963-1967

**mixed materials** 16 (Box)

**Container** 4 (Folder)

**Publications: Biophysical Journal Society abstracts**

**Unit ID** /repositories/2/archival\_objects/180695

**Unit Date** 1968-1969

**mixed materials** 16 (Box)

**Container** 5 (Folder)

**Publications: Biophysical Society abstracts**

**Unit ID** /repositories/2/archival\_objects/180696

**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/180697

**Unit Date** 1996-1999

**mixed materials** 16 (Box)

**Container** 7 (Folder)

**Correspondence: Miscellaneous**

**Unit ID** /repositories/2/archival\_objects/180698

**Unit Date** 1968-2011

**mixed materials** 16 (Box)

**Container** 8 (Folder)

**Drafts and notes**

**Unit ID** /repositories/2/archival\_objects/180699

**Unit Date** 2000s

**mixed materials** 16 (Box)

**Container** 9 (Folder)

**Scope and Contents**

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/180700

**Unit Date** 1993-2006

**mixed materials** 17 (Box)

**Container** 1 (Folder)

**Carl Sagan's principle; Dr. Zhores Medvedev**

**Unit ID** /repositories/2/archival\_objects/180701

**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/180702**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/180703**Unit Date** 1944**mixed materials** 17 (Box)**Container** 4 (Folder)**Negacal****Unit ID** /repositories/2/archival\_objects/180704**Unit Date** 1960s-1970s**mixed materials** 17 (Box)**Container** 5 (Folder)**Early writings****Unit ID** /repositories/2/archival\_objects/180705**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/180706**Unit Date** 1998**mixed materials** 17 (Box)**Container** 7 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180707**Unit Date** 1989-2006**mixed materials** 17 (Box)**Container** 8 (Folder)**Whole Earth Catalog****Unit ID** /repositories/2/archival\_objects/180708**Unit Date** 2007**mixed materials** 17 (Box)**Container** 9 (Folder)**Committee on Science and Human Values, Bishops committee****Unit ID** /repositories/2/archival\_objects/180709**Unit Date** 1996-2007**mixed materials** 17 (Box)**Container** 10 (Folder)

**Correspondence; articles; Biosphere 2****Unit ID** /repositories/2/archival\_objects/180710**Unit Date** 1993-2010**mixed materials** 17 (Box)**Container** 11 (Folder)**The Master of Glynn (Peter Mitchell chronology)****Unit ID** /repositories/2/archival\_objects/180711**Unit Date** circa 1980**mixed materials** 17 (Box)**Container** 12 (Folder)**Planetary Biology Subcommittee****Unit ID** /repositories/2/archival\_objects/180712**Unit Date** 1968**mixed materials** 17 (Box)**Container** 13 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180713**Unit Date** 1976**mixed materials** 17 (Box)**Container** 14 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180714**Unit Date** September 1, 1974**mixed materials** 17 (Box)**Container** 15 (Folder)**Scope and Contents**

Morowitz to Yurig Gubkin

**Correspondence****Unit ID** /repositories/2/archival\_objects/180715**Unit Date** 1960-1984**mixed materials** 17 (Box)**Container** 16 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180716**Unit Date** 1980-1988**mixed materials** 17 (Box)**Container** 17 (Folder)**Scope and Contents**

Letters received regarding articles from Hospital Practice

**Correspondence****Unit ID** /repositories/2/archival\_objects/180717**Unit Date** 1975; 2000; 2010**mixed materials** 17 (Box)**Container** 18 (Folder)

**Publications**

**Unit ID** /repositories/2/archival\_objects/180718

**Unit Date** 2013

**mixed materials** 17 (Box)

**Container** 19 (Folder)

**Scope and Contents**

Teknos vol. XXII, introduction by Morowitz

**"Membranes VII" - Correspondence**

**Unit ID** /repositories/2/archival\_objects/180719

**Unit Date** 1964, 1977

**Mixed Materials** 18 (Box)

**Container** 1 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180720

**Unit Date** 1969 - 1981

**Mixed Materials** 18 (Box)

**Container** 2 (Folder)

**Correspondence - Science**

**Unit ID** /repositories/2/archival\_objects/180721

**Unit Date** 1982 - 1985

**Mixed Materials** 18 (Box)

**Container** 3 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180722

**Unit Date** 1986 - 1987

**Mixed Materials** 18 (Box)

**Container** 4 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180723

**Unit Date** 1984 - 1986

**Mixed Materials** 18 (Box)

**Container** 5 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180724

**Unit Date** February 1, 1984

**Mixed Materials** 18 (Box)

**Container** 6 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180725

**Unit Date** 1964, 1978

**Mixed Materials** 18 (Box)

**Container** 7 (Folder)

**Correspondence - Rhodes Scholarships****Unit ID** /repositories/2/archival\_objects/180726**Unit Date** November 4, 1968**Mixed Materials** 18 (Box)**Container** 8 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180727**Unit Date** 1967**Mixed Materials** 18 (Box)**Container** 9 (Folder)**Essays****Unit ID** /repositories/2/archival\_objects/180728**Unit Date** 1960s - 1970s**Mixed Materials** 18 (Box)**Container** 10 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180729**Unit Date** 1978**Mixed Materials** 18 (Box)**Container** 11 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180730**Unit Date** 1988 - 1990**Mixed Materials** 18 (Box)**Container** 12 (Folder)**"Information Theory and Statistical Mechanics II" by E.T. Jaynes****Unit ID** /repositories/2/archival\_objects/180731**Unit Date** October 15, 1957**Mixed Materials** 18 (Box)**Container** 13 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180732**Unit Date** 1960 - 1979**Mixed Materials** 18 (Box)**Container** 14 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180733**Unit Date** 1957, 1978**Mixed Materials** 18 (Box)**Container** 15 (Folder)

**Correspondence and Memoranda****Unit ID** /repositories/2/archival\_objects/180734**Unit Date** 1988 - 1990**Mixed Materials** 18 (Box)**Container** 16 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180735**Unit Date** 1989 - 1991**Mixed Materials** 18 (Box)**Container** 17 (Folder)**Essays and Articles****Unit ID** /repositories/2/archival\_objects/180736**Unit Date** 1970, 2003, 2013**Mixed Materials** 18 (Box)**Container** 18 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180737**Unit Date** 1992 - 1994**Mixed Materials** 18 (Box)**Container** 19 (Folder)**Documents****Unit ID** /repositories/2/archival\_objects/180738**Unit Date** 1990 - 2009**Mixed Materials** 18 (Box)**Container** 20 (Folder)**James Rothman Correspondence****Unit ID** /repositories/2/archival\_objects/180739**Unit Date** 1972 - 2014**Mixed Materials** 18 (Box)**Container** 21 (Folder)**Correspondence****Unit ID** /repositories/2/archival\_objects/180740**Unit Date** 1988 - 2011**Mixed Materials** 18 (Box)**Container** 22 (Folder)**Correspondence and Essays****Unit ID** /repositories/2/archival\_objects/180741**Unit Date** 1997 - 1998**Mixed Materials** 18 (Box)**Container** 23 (Folder)

**Bioinformatics Workshop Report**

**Unit ID** /repositories/2/archival\_objects/180742

**Unit Date** March 1998

**Mixed Materials** 18 (Box)

**Container** 24 (Folder)

**"Evolution, Neurobiology and Behavior" Workshop**

**Unit ID** /repositories/2/archival\_objects/180743

**Unit Date** 1995

**Mixed Materials** 18 (Box)

**Container** 25 (Folder)

**Correspondence with Jim Olds**

**Unit ID** /repositories/2/archival\_objects/180744

**Unit Date** April 10, 2002

**Mixed Materials** 18 (Box)

**Container** 26 (Folder)

**"A Grand Unified Theory of Everything Except Physics" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/180745

**Unit Date** November 13, 1996

**Mixed Materials** 18 (Box)

**Container** 27 (Folder)

**Articles by Robert M. Hazen**

**Unit ID** /repositories/2/archival\_objects/180746

**Unit Date** 2008, 2010

**Mixed Materials** 18 (Box)

**Container** 28 (Folder)

**The Masters - Unpublished Book by Morowitz**

**Unit ID** /repositories/2/archival\_objects/180747

**Unit Date** circa 1990s

**Mixed Materials** 18 (Box)

**Container** 29 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/180748

**Unit Date** October 1999

**Mixed Materials** 18 (Box)

**Container** 30 (Folder)

**Morowitz Unpublished Play - "The Anatomy Lesson" - Notes and Script**

**Unit ID** /repositories/2/archival\_objects/180749

**Unit Date** circa 1980s

**Mixed Materials** 18 (Box)

**Container** 31 (Folder)

**"Cosmic Joy and Local Pain: Musings of a Mystic Scientist" by Morowitz Review**

**Unit ID** /repositories/2/archival\_objects/180750

**Unit Date** circa 1980s

**Mixed Materials** 18 (Box)

**Container** 32 (Folder)

**"Medizin Im Nationalsozialismus Ein Arbeitsbuch" by Walter Wuttke-Groneberg**

**Unit ID** /repositories/2/archival\_objects/180751

**Unit Date** 1982

**Mixed Materials** 18 (Box)

**Container** 33 (Folder)

**Correspondence and Article on UNICOM (University Communities)**

**Unit ID** /repositories/2/archival\_objects/180752

**Unit Date** 1995

**Mixed Materials** 18 (Box)

**Container** 34 (Folder)

**Articles by C. J[ohn] Perret**

**Unit ID** /repositories/2/archival\_objects/180753

**Unit Date** 1958 - 1961

**Mixed Materials** 19 (Box)

**Container** 1 (Folder)

**Morowitz's High School Letter for track in Poughkeepsie, NY**

**Unit ID** /repositories/2/archival\_objects/180754

**Unit Date** circa 1940s

**Mixed Materials** 19 (Box)

**Container** 2 (Folder)

**"Foundations of Bioenergetics" by Morowitz Review**

**Unit ID** /repositories/2/archival\_objects/180755

**Unit Date** December 1978

**Mixed Materials** 19 (Box)

**Container** 3 (Folder)

**"Escherichia Coli" Articles and Research**

**Unit ID** /repositories/2/archival\_objects/180756

**Unit Date** 1955

**Mixed Materials** 19 (Box)

**Container** 4 (Folder)

**"Competitive Exclusion: Application of a Biological Principle To Societies in Conflict" by Morowitz - Unpublished**

**Unit ID** /repositories/2/archival\_objects/180757

**Unit Date** circa 1990s

**Mixed Materials** 19 (Box)

**Container** 5 (Folder)

**Animal Testing Articles**

**Unit ID** /repositories/2/archival\_objects/180758

**Unit Date** 1988

**Mixed Materials** 19 (Box)

**Container** 6 (Folder)

**"A Primer on Information Theory" by Henry Quastler**

**Unit ID** /repositories/2/archival\_objects/180759

**Unit Date** January 1956

**Mixed Materials** 19 (Box)

**Container** 7 (Folder)

**Santa Fe Institute - Subaward Agreement**

**Unit ID** /repositories/2/archival\_objects/180760

**Unit Date** November 10, 2005

**Mixed Materials** 19 (Box)

**Container** 8 (Folder)

**"My Laboratory" by Morowitz in His Senior Year of High School**

**Unit ID** /repositories/2/archival\_objects/180761

**Unit Date** 1944

**Mixed Materials** 19 (Box)

**Container** 9 (Folder)

**Articles and Information on Mitochondria**

**Unit ID** /repositories/2/archival\_objects/180762

**Unit Date** 1978

**Mixed Materials** 19 (Box)

**Container** 10 (Folder)

**Robinson Professor Correspondence**

**Unit ID** /repositories/2/archival\_objects/180763

**Unit Date** 1988 - 1995

**Mixed Materials** 19 (Box)

**Container** 11 (Folder)

**Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180764

**Unit Date** 1982 - 2011

**Mixed Materials** 19 (Box)

**Container** 12 (Folder)

**Photographs of Morowitz and Family**

**Unit ID** /repositories/2/archival\_objects/180765

**Unit Date** circa 1940s

**Mixed Materials** 19 (Box)

**Container** 13 (Folder)

**Yale Biophysics - Left to Right, Morowitz, Ernest Pollard, Fred Forro (?), Alex Mauro, Don Fluke**

**Unit ID** /repositories/2/archival\_objects/180766

**Unit Date** 1948

**Mixed Materials** 19 (Box)

**Container** 14 (Folder)

**New York Times Book Review Articles**

**Unit ID** /repositories/2/archival\_objects/180767

**Unit Date** January 6, 2008

**Mixed Materials** 19 (Box)

**Container** 15 (Folder)

**Research - Pacific Research Institute**

**Unit ID** /repositories/2/archival\_objects/180768

**Unit Date** 1974 - 1975

**Mixed Materials** 19 (Box)

**Container** 16 (Folder)

**Research Pacifica Inc. Proposal Documents and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180769

**Unit Date** 1973 - 1974

**Mixed Materials** 19 (Box)

**Container** 17 (Folder)

**Santa Fe Institute - Board of Trustees Handbook**

**Unit ID** /repositories/2/archival\_objects/180770

**Unit Date** circa 2003

**Mixed Materials** 19 (Box)

**Container** 18 (Folder)

**Composition Book - "204 Krasnow Institute"**

**Unit ID** /repositories/2/archival\_objects/180771

**Unit Date** circa 2000s

**Mixed Materials** 19 (Box)

**Container** 19 (Folder)

**Composition Book - "NASA Ames [Research Center]"**

**Unit ID** /repositories/2/archival\_objects/180772

**Unit Date** circa 2000s

**Mixed Materials** 19 (Box)

**Container** 20 (Folder)

**Composition Book - "Reductive TCA Cycle Tardigrades - Sulfur Paper Mollicutes"**

**Unit ID** /repositories/2/archival\_objects/180773

**Unit Date** circa 2000s

**Mixed Materials** 19 (Box)

**Container** 21 (Folder)

**Composition Book****Unit ID** /repositories/2/archival\_objects/180774**Unit Date** circa 1990s**Mixed Materials** 20 (Box)**Container** 1 (Folder)**Composition Book****Unit ID** /repositories/2/archival\_objects/180775**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 2 (Folder)**Composition Book****Unit ID** /repositories/2/archival\_objects/180776**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 3 (Folder)**Composition Book****Unit ID** /repositories/2/archival\_objects/180777**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 4 (Folder)**Composition Book - "Biology/Research, Dr. Morowitz/Biogenesis, Anne Mitchell"****Unit ID** /repositories/2/archival\_objects/180778**Unit Date** 1991-1992**Mixed Materials** 20 (Box)**Container** 5 (Folder)**"Chapter Eight - The Second Phase of the Evolutionary Absurdity: The Mystique of Incomprehensible Mathematics"****Unit ID** /repositories/2/archival\_objects/180779**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 6 (Folder)**"A Critique of Science" by Orogee Dolsenhe****Unit ID** /repositories/2/archival\_objects/180780**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 7 (Folder)**Manuscripts, Notes, and Papers - Part 1****Unit ID** /repositories/2/archival\_objects/180781**Unit Date** circa 2000s**Mixed Materials** 20 (Box)**Container** 8 (Folder)

## **Manuscripts, Notes, and Papers - Part 2**

**Unit ID** /repositories/2/archival\_objects/180782

**Unit Date** circa 2000s

**Mixed Materials** 21 (Box)

**Container** 1 (Folder)

### **"People I Have Met" - Notes and Papers**

**Unit ID** /repositories/2/archival\_objects/180783

**Unit Date** circa 2000s

**Mixed Materials** 21 (Box)

**Container** 2 (Folder)

### **"Harvey" - Notes and Essays on Biology**

**Unit ID** /repositories/2/archival\_objects/180784

**Unit Date** circa 2000s

**Mixed Materials** 21 (Box)

**Container** 3 (Folder)

### **Notes and Correspondence on "Eutely and the Quasi-Quantization of Cell Number in the Animalia" Written by Morowitz**

**Unit ID** /repositories/2/archival\_objects/180785

**Unit Date** circa 1992

**Mixed Materials** 21 (Box)

**Container** 4 (Folder)

### **"The Slithey Phage" Manuscript and Related Documents**

**Unit ID** /repositories/2/archival\_objects/180786

**Unit Date** circa 2000s

**Mixed Materials** 21 (Box)

**Container** 5 (Folder)

### **Bill Melton Correspondence**

**Unit ID** /repositories/2/archival\_objects/180787

**Unit Date** April 20, 2007

**Mixed Materials** 21 (Box)

**Container** 6 (Folder)

### **Correspondence on Dr. James L. Olds**

**Unit ID** /repositories/2/archival\_objects/180788

**Unit Date** December 1999 - July 2000

**Mixed Materials** 21 (Box)

**Container** 7 (Folder)

### **Handwritten Notes**

**Unit ID** /repositories/2/archival\_objects/180789

**Unit Date** circa 1990s

**Mixed Materials** 21 (Box)

**Container** 8 (Folder)

**Articles from Scientific Journals and Manuscript Pages**

**Unit ID** /repositories/2/archival\_objects/180790

**Unit Date** circa 2015

**Mixed Materials** 21 (Box)

**Container** 9 (Folder)

**"Prospects of Molecular Biology Studies on the Mesozoa" by Elliot Lapan, Bibliography and Russian (?) Article**

**Unit ID** /repositories/2/archival\_objects/180791

**Unit Date** circa 1990s

**Mixed Materials** 21 (Box)

**Container** 10 (Folder)

**Articles from Scientific Journals and Handwritten Notes**

**Unit ID** /repositories/2/archival\_objects/180792

**Unit Date** circa 2008 - 2015

**Mixed Materials** 21 (Box)

**Container** 11 (Folder)

**Articles from Scientific Journals**

**Unit ID** /repositories/2/archival\_objects/180793

**Unit Date** 1950s

**Mixed Materials** 21 (Box)

**Container** 12 (Folder)

**"Exhibits" Manuscript and Notes**

**Unit ID** /repositories/2/archival\_objects/180794

**Unit Date** circa 2000s

**Mixed Materials** 21 (Box)

**Container** 13 (Folder)

**Guy Ourisson Correspondence**

**Unit ID** /repositories/2/archival\_objects/180795

**Unit Date** August 1, 1993

**Mixed Materials** 21 (Box)

**Container** 14 (Folder)

**Religions in Asia-Pacific - Understanding Event Itinerary**

**Unit ID** /repositories/2/archival\_objects/180796

**Unit Date** April 21, 2016

**Mixed Materials** 21 (Box)

**Container** 15 (Folder)

**"Exhibits" Manuscript Pages and Notes**

**Unit ID** /repositories/2/archival\_objects/180797

**Unit Date** circa 2015

**Mixed Materials** 21 (Box)

**Container** 16 (Folder)

**SFI (Santa Fe Institute) Bulletin, Vol. 28, Issue 2**

**Unit ID** /repositories/2/archival\_objects/180798

**Unit Date** 2014

**Mixed Materials** 22 (Box)

**Container** 1 (Folder)

**"HNRS 122-004 Reading the Arts - Spring 2016 - Biological Themes in Literature" Class Documents**

**Unit ID** /repositories/2/archival\_objects/180799

**Unit Date** January 2016

**Mixed Materials** 22 (Box)

**Container** 2 (Folder)

**Handwritten Notes**

**Unit ID** /repositories/2/archival\_objects/180800

**Unit Date** circa 2000s

**Mixed Materials** 22 (Box)

**Container** 3 (Folder)

**Printed Science Articles and Notes**

**Unit ID** /repositories/2/archival\_objects/180801

**Unit Date** 2015 - 2016

**Mixed Materials** 22 (Box)

**Container** 4 (Folder)

**"Beginning of Cellular Life" Articles and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180802

**Unit Date** 1980s - 1990s

**Mixed Materials** 22 (Box)

**Container** 5 (Folder)

**St. Martin's Press and Book Publishing Correspondence**

**Unit ID** /repositories/2/archival\_objects/180803

**Unit Date** 1979 - 1980

**Mixed Materials** 22 (Box)

**Container** 6 (Folder)

**Essays Correspondence**

**Unit ID** /repositories/2/archival\_objects/180804

**Unit Date** 1976 - 1996

**Mixed Materials** 22 (Box)

**Container** 7 (Folder)

**"The Facts of Life" - Book by Morowitz - Published by Oxford University Press - Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180805

**Unit Date** 1992 - 1993

**Mixed Materials** 22 (Box)

**Container** 8 (Folder)

**"Pizza Reviews" - Reviews on Morowitz's Book "The Thermodynamics of Pizza"**

**Unit ID** /repositories/2/archival\_objects/180806

**Unit Date** 1990-1991

**Mixed Materials** 22 (Box)

**Container** 9 (Folder)

**"Mayonnaise and the Origin of Life" Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180807

**Unit Date** 1985

**Mixed Materials** 22 (Box)

**Container** 10 (Folder)

**"Music - Word Mem. Class," Various Songs**

**Unit ID** /repositories/2/archival\_objects/180808

**Unit Date** circa 2000s

**Mixed Materials** 22 (Box)

**Container** 11 (Folder)

**Science Articles, Notes, and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180809

**Unit Date** circa 1990s - 2000s

**Mixed Materials** 22 (Box)

**Container** 12 (Folder)

**SFI Update**

**Unit ID** /repositories/2/archival\_objects/180810

**Unit Date** September - October 2015

**Mixed Materials** 22 (Box)

**Container** 13 (Folder)

**Histomap of World History**

**Unit ID** /repositories/2/archival\_objects/180811

**Unit Date** circa 2000

**Mixed Materials** 22 (Box)

**Container** 14 (Folder)

**Page of 15 cent Stamps featuring Albert Einstein**

**Unit ID** /repositories/2/archival\_objects/180812

**Unit Date** 1979

**Mixed Materials** 22 (Box)

**Container** 15 (Folder)

**Avraham Feder Correspondence**

**Unit ID** /repositories/2/archival\_objects/180813

**Unit Date** April, July 2007

**Mixed Materials** 22 (Box)

**Container** 16 (Folder)

**Harold May Correspondence and Writing****Unit ID** /repositories/2/archival\_objects/180814**Unit Date** circa 1990s - 2000s**Mixed Materials** 22 (Box)**Container** 17 (Folder)**Bibliophilia Documents and Correspondence****Unit ID** /repositories/2/archival\_objects/180815**Unit Date** circa 2012**Mixed Materials** 22 (Box)**Container** 18 (Folder)**Cartoon Clippings****Unit ID** /repositories/2/archival\_objects/180816**Unit Date** circa 1990s**Mixed Materials** 22 (Box)**Container** 19 (Folder)**Jim Salmon Correspondence****Unit ID** /repositories/2/archival\_objects/180817**Unit Date** 2014 - 2015**Mixed Materials** 22 (Box)**Container** 20 (Folder)**Documents and Correspondence, 1993****Unit ID** /repositories/2/archival\_objects/180818**Unit Date** circa 2007**Mixed Materials** 22 (Box)**Container** 21 (Folder)**"Pop Goes the Cola" Article****Unit ID** /repositories/2/archival\_objects/180819**Unit Date** circa 1990s**Mixed Materials** 22 (Box)**Container** 22 (Folder)**Microsome Distribution Articles****Unit ID** /repositories/2/archival\_objects/180820**Unit Date** 1960**Mixed Materials** 22 (Box)**Container** 23 (Folder)**Plasma Membrane of Mycoplasma Laidlawii Articles****Unit ID** /repositories/2/archival\_objects/180821**Unit Date** 1967**Mixed Materials** 23 (Box)**Container** 1 (Folder)

**Ernest C. Pollard (Penn State) Correspondence**

**Unit ID** /repositories/2/archival\_objects/180822

**Unit Date** 1961 - 1967

**Mixed Materials** 23 (Box)

**Container** 2 (Folder)

**Poetry by Morowitz - Typed and Handwritten**

**Unit ID** /repositories/2/archival\_objects/180823

**Unit Date** circa 1975, 2000s

**Mixed Materials** 23 (Box)

**Container** 3 (Folder)

**Essays by Morowitz, Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180824

**Unit Date** 2000s

**Mixed Materials** 23 (Box)

**Container** 4 (Folder)

**Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180825

**Unit Date** 2008 - 2009

**Mixed Materials** 23 (Box)

**Container** 5 (Folder)

**Handwritten Essay**

**Unit ID** /repositories/2/archival\_objects/180826

**Unit Date** circa 1990s

**Mixed Materials** 23 (Box)

**Container** 6 (Folder)

**"When Pleuropneumonia-like Organism Became Mycoplasma" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/180827

**Unit Date** circa 2000s

**Mixed Materials** 23 (Box)

**Container** 7 (Folder)

**Handwritten Notes in Binder**

**Unit ID** /repositories/2/archival\_objects/180828

**Unit Date** 1949 - 1950

**Mixed Materials** 23 (Box)

**Container** 8 (Folder)

**"Aeschylus" Information and Notes**

**Unit ID** /repositories/2/archival\_objects/180829

**Unit Date** 2014

**Mixed Materials** 23 (Box)

**Container** 9 (Folder)

**"Al-Farabi" Information****Unit ID** /repositories/2/archival\_objects/180830**Unit Date** 2012 - 2014**Mixed Materials** 23 (Box)**Container** 10 (Folder)**"Al-Ghazali" Information****Unit ID** /repositories/2/archival\_objects/180831**Unit Date** 2012 - 2014**Mixed Materials** 23 (Box)**Container** 11 (Folder)**"Al-Kindi" Information****Unit ID** /repositories/2/archival\_objects/180832**Unit Date** 2012 - 2014**Mixed Materials** 23 (Box)**Container** 12 (Folder)**al-Khwarizmi Information and Adi Shankara****Unit ID** /repositories/2/archival\_objects/180833**Unit Date** 2014**Mixed Materials** 23 (Box)**Container** 13 (Folder)**Apollonius of Perga Information****Unit ID** /repositories/2/archival\_objects/180834**Unit Date** 2014**Mixed Materials** 23 (Box)**Container** 14 (Folder)**"Aquinas" - HNRS 353 - Fall 2013 - Data Collection Worksheet****Unit ID** /repositories/2/archival\_objects/180835**Unit Date** 2013**Mixed Materials** 23 (Box)**Container** 15 (Folder)**"Archimedes" Information****Unit ID** /repositories/2/archival\_objects/180836**Unit Date** 2014**Mixed Materials** 23 (Box)**Container** 16 (Folder)**"Aristotle" Information****Unit ID** /repositories/2/archival\_objects/180837**Unit Date** 2014**Mixed Materials** 24 (Box)**Container** 1 (Folder)

**Augustine of Hippo Information**

**Unit ID** /repositories/2/archival\_objects/180838

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 2 (Folder)

**"Averroes" Information**

**Unit ID** /repositories/2/archival\_objects/180839

**Unit Date** 2012 - 2014

**Mixed Materials** 24 (Box)

**Container** 3 (Folder)

**"Avicenna" Information**

**Unit ID** /repositories/2/archival\_objects/180840

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 4 (Folder)

**"Bhagavad Gita" Information**

**Unit ID** /repositories/2/archival\_objects/180841

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 5 (Folder)

**"Bible" - "Chronology of the Kings of Israel and Judah c. 1020-587 BCE"**

**Unit ID** /repositories/2/archival\_objects/180842

**Unit Date** 2012

**Mixed Materials** 24 (Box)

**Container** 6 (Folder)

**"Brahmagupta" Information**

**Unit ID** /repositories/2/archival\_objects/180843

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 7 (Folder)

**Information on Buddhism**

**Unit ID** /repositories/2/archival\_objects/180844

**Unit Date** 1952, circa 2013

**Mixed Materials** 24 (Box)

**Container** 8 (Folder)

**"John Calvin" Information - HNRS 353 - Fall 2013 - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180845

**Unit Date** 2013 - 2014

**Mixed Materials** 24 (Box)

**Container** 9 (Folder)

**"Candide" Information****Unit ID** /repositories/2/archival\_objects/180846**Unit Date** circa 2014**Mixed Materials** 24 (Box)**Container** 10 (Folder)**Miguel de Cervantes Information - HNRS 353 - Fall 2013 - Data Collection Worksheet****Unit ID** /repositories/2/archival\_objects/180847**Unit Date** 2013 - 2014**Mixed Materials** 24 (Box)**Container** 11 (Folder)**History of China - Information and Correspondence****Unit ID** /repositories/2/archival\_objects/180848**Unit Date** 2002, 2012 - 2014**Mixed Materials** 24 (Box)**Container** 12 (Folder)**"Code of Ur-Nammu" Information****Unit ID** /repositories/2/archival\_objects/180849**Unit Date** 2014**Mixed Materials** 24 (Box)**Container** 13 (Folder)**"Confucius" Information****Unit ID** /repositories/2/archival\_objects/180850**Unit Date** 2014**Mixed Materials** 24 (Box)**Container** 14 (Folder)**Nicolaus Copernicus Information****Unit ID** /repositories/2/archival\_objects/180851**Unit Date** 2014**Mixed Materials** 24 (Box)**Container** 15 (Folder)**"Dante" Information - HNRS 353 - Fall 2013 - Data Collection Worksheet****Unit ID** /repositories/2/archival\_objects/180852**Unit Date** 2013 - 2014**Mixed Materials** 24 (Box)**Container** 16 (Folder)**"Descartes" Information****Unit ID** /repositories/2/archival\_objects/180853**Unit Date** circa 2014**Mixed Materials** 24 (Box)**Container** 17 (Folder)

**Felix d'Herelle Information**

**Unit ID** /repositories/2/archival\_objects/180854

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 18 (Folder)

**Emily Dickinson Information**

**Unit ID** /repositories/2/archival\_objects/180855

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 19 (Folder)

**Egyptian Texts and Dynasties Information**

**Unit ID** /repositories/2/archival\_objects/180856

**Unit Date** circa 2013

**Mixed Materials** 24 (Box)

**Container** 20 (Folder)

**"The Tale of the Eloquent Peasant" Information**

**Unit ID** /repositories/2/archival\_objects/180857

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 21 (Folder)

**British and Roman Empire Information**

**Unit ID** /repositories/2/archival\_objects/180858

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 22 (Folder)

**"Encyclopedie" Information**

**Unit ID** /repositories/2/archival\_objects/180859

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 23 (Folder)

**"The Epic of Gilgamesh" Information**

**Unit ID** /repositories/2/archival\_objects/180860

**Unit Date** 2013 - 2014

**Mixed Materials** 24 (Box)

**Container** 24 (Folder)

**"Epictetus" Information**

**Unit ID** /repositories/2/archival\_objects/180861

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 25 (Folder)

**Erasmus - The Praise of Folly - HNRS 353 - Fall 2013 - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180862

**Unit Date** 2013 - 2014

**Mixed Materials** 24 (Box)

**Container** 26 (Folder)

**Euclid and "Euclid's Elements"**

**Unit ID** /repositories/2/archival\_objects/180863

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 27 (Folder)

**Michael Faraday Information**

**Unit ID** /repositories/2/archival\_objects/180864

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 28 (Folder)

**"Novum Organum" by Francis Bacon**

**Unit ID** /repositories/2/archival\_objects/180865

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 29 (Folder)

**Galen of Pergamon Information**

**Unit ID** /repositories/2/archival\_objects/180866

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 30 (Folder)

**"Book Review: Decline and Fall of the Roman Empire [by Edward Gibbon]" by Elusive Wapiti**

**Unit ID** /repositories/2/archival\_objects/180867

**Unit Date** November 5, 2011

**Mixed Materials** 24 (Box)

**Container** 31 (Folder)

**"Greco-Persian Wars" Information**

**Unit ID** /repositories/2/archival\_objects/180868

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 32 (Folder)

**Martin Winkler - Modern and Classical Languages Professor - Correspondence**

**Unit ID** /repositories/2/archival\_objects/180869

**Unit Date** August 23, 2012

**Mixed Materials** 24 (Box)

**Container** 33 (Folder)

**Code of Hammurabi Information and Translation**

**Unit ID** /repositories/2/archival\_objects/180870

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 34 (Folder)

**Heart Sutra Information and Translation**

**Unit ID** /repositories/2/archival\_objects/180871

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 35 (Folder)

**"Herodotus" Information**

**Unit ID** /repositories/2/archival\_objects/180872

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 36 (Folder)

**Hippocrates and the Hippocratic Oath**

**Unit ID** /repositories/2/archival\_objects/180873

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 37 (Folder)

**Thomas Hobbes Information**

**Unit ID** /repositories/2/archival\_objects/180874

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 38 (Folder)

**"The Iliad" Information**

**Unit ID** /repositories/2/archival\_objects/180875

**Unit Date** 2014

**Mixed Materials** 24 (Box)

**Container** 39 (Folder)

**Victor Hugo Information**

**Unit ID** /repositories/2/archival\_objects/180876

**Unit Date** circa 2014

**Mixed Materials** 24 (Box)

**Container** 40 (Folder)

**"Ibn Khaldun" Information and HNRS 353 - Fall 2013 - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180877

**Unit Date** 2013 - circa 2014

**Mixed Materials** 24 (Box)

**Container** 41 (Folder)

**HNRS 353 - Fall 2013 - Data Collection Worksheet - Ibn Sina**

**Unit ID** /repositories/2/archival\_objects/180878

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 1 (Folder)

**"I Ching" Information**

**Unit ID** /repositories/2/archival\_objects/180879

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 2 (Folder)

**HNRS 353 - Fall 2013 - Data Collection Worksheet - Ibn Rushd**

**Unit ID** /repositories/2/archival\_objects/180880

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 3 (Folder)

**HNRS 353 - Fall 2013 - Data Collection Worksheet - Janes Austen and James Clerk Maxwell**

**Unit ID** /repositories/2/archival\_objects/180881

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 4 (Folder)

**Immanuel Kant Information**

**Unit ID** /repositories/2/archival\_objects/180882

**Unit Date** circa 2014

**Mixed Materials** 25 (Box)

**Container** 5 (Folder)

**Lucretius and "On the Nature of Things" Information and Translation - Data Collection Worksheet; Apollonius of Perga Information**

**Unit ID** /repositories/2/archival\_objects/180883

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 6 (Folder)

**Luo Guanzhong and "Three Kingdoms"**

**Unit ID** /repositories/2/archival\_objects/180884

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 7 (Folder)

**Martin Luther and "On the Babylonian Captivity of the Church" Information and Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180885

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 8 (Folder)

## **Machiavelli - "The Prince" - HNRS - Fall 2013 - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180886

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 9 (Folder)

## **Paul MacCready Information**

**Unit ID** /repositories/2/archival\_objects/180887

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 10 (Folder)

## **Mosche ben Maimon (Maimonides) Information and Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180888

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 11 (Folder)

## **Mark Twain and William James - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180889

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 12 (Folder)

## **Michel de Montaigne Information**

**Unit ID** /repositories/2/archival\_objects/180890

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 13 (Folder)

## **Muhammad ibn Musa al-Khwarizmi Information**

**Unit ID** /repositories/2/archival\_objects/180891

**Unit Date** circa 2013

**Mixed Materials** 25 (Box)

**Container** 14 (Folder)

## **"Nasir al-Din al-Tusi" Information**

**Unit ID** /repositories/2/archival\_objects/180892

**Unit Date** 2012 - 2014

**Mixed Materials** 25 (Box)

**Container** 15 (Folder)

## **New Testament Information**

**Unit ID** /repositories/2/archival\_objects/180893

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 16 (Folder)

**"Nicomachus" Information**

**Unit ID** /repositories/2/archival\_objects/180894

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 17 (Folder)

**HNRS 353 - Fall 2013 - Data Collection Worksheet - Friedrich Nietzsche - "Beyond Good and Evil"**

**Unit ID** /repositories/2/archival\_objects/180895

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 18 (Folder)

**"Omar Khayyam" Information**

**Unit ID** /repositories/2/archival\_objects/180896

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 19 (Folder)

**Plato and "Phaedo" Information and Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180897

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 20 (Folder)

**"Plotinus" Information**

**Unit ID** /repositories/2/archival\_objects/180898

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 21 (Folder)

**"Ptolemy" Information**

**Unit ID** /repositories/2/archival\_objects/180899

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 22 (Folder)

**Francois Rabelais - "Gargantua and Pantagruel" Information - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180900

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 23 (Folder)

**Rumi Information - Translation - Data Collection Worksheet**

**Unit ID** /repositories/2/archival\_objects/180901

**Unit Date** 2013 - 2014

**Mixed Materials** 25 (Box)

**Container** 24 (Folder)

**"Sagas of Icelanders" Information**

**Unit ID** /repositories/2/archival\_objects/180902

**Unit Date** 2013

**Mixed Materials** 25 (Box)

**Container** 25 (Folder)

**"J.D. Salinger and Vedanta" by Kenneth Slawensky**

**Unit ID** /repositories/2/archival\_objects/180903

**Unit Date** July 2013

**Mixed Materials** 25 (Box)

**Container** 26 (Folder)

**Sophocles and Laozi Information**

**Unit ID** /repositories/2/archival\_objects/180904

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 27 (Folder)

**Baruch Spinoza Information**

**Unit ID** /repositories/2/archival\_objects/180905

**Unit Date** circa 2014

**Mixed Materials** 25 (Box)

**Container** 28 (Folder)

**Sun Tzu and Tom Knight Information**

**Unit ID** /repositories/2/archival\_objects/180906

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 29 (Folder)

**"Tacitus" Information**

**Unit ID** /repositories/2/archival\_objects/180907

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 30 (Folder)

**Thucydides, History of the Peloponnesian War, and Euripides Information**

**Unit ID** /repositories/2/archival\_objects/180908

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 31 (Folder)

**Trojan War and Herodotus Information**

**Unit ID** /repositories/2/archival\_objects/180909

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 32 (Folder)

**"Upanishads" Information**

**Unit ID** /repositories/2/archival\_objects/180910

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 33 (Folder)

**Code of Ur-Nammu**

**Unit ID** /repositories/2/archival\_objects/180911

**Unit Date** circa 2014

**Mixed Materials** 25 (Box)

**Container** 34 (Folder)

**Article on Vedanta**

**Unit ID** /repositories/2/archival\_objects/180912

**Unit Date** July 2013

**Mixed Materials** 25 (Box)

**Container** 35 (Folder)

**"Vedas" Information**

**Unit ID** /repositories/2/archival\_objects/180913

**Unit Date** circa 2014

**Mixed Materials** 25 (Box)

**Container** 36 (Folder)

**Virgil and "The Aeneid" Information**

**Unit ID** /repositories/2/archival\_objects/180914

**Unit Date** 2014

**Mixed Materials** 25 (Box)

**Container** 37 (Folder)

**HNRS 353: Technology in the Contemporary World - "Great Works from the Trojan War to World War I" - Course Materials**

**Unit ID** /repositories/2/archival\_objects/180915

**Unit Date** 2012

**Mixed Materials** 25 (Box)

**Container** 38 (Folder)

**"William Gilbert" Information**

**Unit ID** /repositories/2/archival\_objects/180916

**Unit Date** 2014

**Mixed Materials** 26 (Box)

**Container** 1 (Folder)

**"Wu Cheng'en" Information**

**Unit ID** /repositories/2/archival\_objects/180917

**Unit Date** 2014

**Mixed Materials** 26 (Box)

**Container** 2 (Folder)

### **Articles from Science Journals**

**Unit ID** /repositories/2/archival\_objects/180918

**Unit Date** circa 1990s - 2000s

**Mixed Materials** 26 (Box)

**Container** 3 (Folder)

### **Article - "Enzymology of the Acetyl-CoA Pathway of CO<sub>2</sub> Fixation" by Stephen W. Ragsdale**

**Unit ID** /repositories/2/archival\_objects/180919

**Unit Date** 1991

**Mixed Materials** 26 (Box)

**Container** 4 (Folder)

### **Africa - Travel Notes, Correspondence, and Scientific Observations**

**Unit ID** /repositories/2/archival\_objects/180920

**Unit Date** 1980s

**Mixed Materials** 26 (Box)

**Container** 5 (Folder)

### **Thermodynamics and Biological Aging Articles**

**Unit ID** /repositories/2/archival\_objects/180921

**Unit Date** 2010, 2014

**Mixed Materials** 26 (Box)

**Container** 6 (Folder)

### **Aquificales Information and Articles**

**Unit ID** /repositories/2/archival\_objects/180922

**Unit Date** 1990s - 2000s

**Mixed Materials** 26 (Box)

**Container** 7 (Folder)

### **Archea Articles**

**Unit ID** /repositories/2/archival\_objects/180923

**Unit Date** 2000s

**Mixed Materials** 26 (Box)

**Container** 8 (Folder)

### **Astrobiology Information and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180924

**Unit Date** 2011 - 2012

**Mixed Materials** 26 (Box)

**Container** 9 (Folder)

### **Article - "Self-Structuring on the Autocatalytic Network" by Pan-Jun Kim and Hawoong Jeong**

**Unit ID** /repositories/2/archival\_objects/180925

**Unit Date** 2004

**Mixed Materials** 26 (Box)

**Container** 10 (Folder)

**Articles on Autotrophs**

**Unit ID** /repositories/2/archival\_objects/180926

**Unit Date** 2007 - 2010

**Mixed Materials** 26 (Box)

**Container** 11 (Folder)

**Information and Articles on Autotrophs**

**Unit ID** /repositories/2/archival\_objects/180927

**Unit Date** 2007

**Mixed Materials** 26 (Box)

**Container** 12 (Folder)

**Information, Notes, and Articles on Amino Acids**

**Unit ID** /repositories/2/archival\_objects/180928

**Unit Date** circa 1960s, 2007

**Mixed Materials** 26 (Box)

**Container** 13 (Folder)

**SFI Update - March/April 2016 - "Ready Hydrothermal Reactions from Carbon Dioxide to Methane"**

**Unit ID** /repositories/2/archival\_objects/180929

**Unit Date** 2013, 2016

**Mixed Materials** 26 (Box)

**Container** 14 (Folder)

**Article and Report by Morowitz**

**Unit ID** /repositories/2/archival\_objects/180930

**Unit Date** 1953, 1972

**Mixed Materials** 26 (Box)

**Container** 15 (Folder)

**Articles Authored/Co-authored by Rogier Braakman**

**Unit ID** /repositories/2/archival\_objects/180931

**Unit Date** 2012 - 2014

**Mixed Materials** 26 (Box)

**Container** 16 (Folder)

**Articles and Workshop Materials on Catalysis**

**Unit ID** /repositories/2/archival\_objects/180932

**Unit Date** 2003 - 2008

**Mixed Materials** 26 (Box)

**Container** 17 (Folder)

**Articles on Citric Acid**

**Unit ID** /repositories/2/archival\_objects/180933

**Unit Date** 2000, 2009

**Mixed Materials** 27 (Box)

**Container** 1 (Folder)

**Articles on Amino Acid Code**

**Unit ID** /repositories/2/archival\_objects/180934

**Unit Date** 1981, 2006

**Mixed Materials** 27 (Box)

**Container** 2 (Folder)

**Articles on Coenzymes and Cofactors**

**Unit ID** /repositories/2/archival\_objects/180935

**Unit Date** 2003 - 2008

**Mixed Materials** 27 (Box)

**Container** 3 (Folder)

**Articles and Information on Cofactors**

**Unit ID** /repositories/2/archival\_objects/180936

**Unit Date** 2006 - 2010

**Mixed Materials** 27 (Box)

**Container** 4 (Folder)

**Correspondence on Issue of Complexity (Journal) that Morowitz Edited**

**Unit ID** /repositories/2/archival\_objects/180937

**Unit Date** 2000 - 2001

**Mixed Materials** 27 (Box)

**Container** 5 (Folder)

**Articles and Information on Consciousness**

**Unit ID** /repositories/2/archival\_objects/180938

**Unit Date** 1997 - 2011

**Mixed Materials** 27 (Box)

**Container** 6 (Folder)

**"Cultural Literacy 20th Century" - HNRS 353 Reading Lists**

**Unit ID** /repositories/2/archival\_objects/180939

**Unit Date** 2014

**Mixed Materials** 27 (Box)

**Container** 7 (Folder)

**Articles by Christian de Duve**

**Unit ID** /repositories/2/archival\_objects/180940

**Unit Date** 2003, 2007

**Mixed Materials** 27 (Box)

**Container** 8 (Folder)

**History of Construction of the Dhow**

**Unit ID** /repositories/2/archival\_objects/180941

**Unit Date** 2009

**Mixed Materials** 27 (Box)

**Container** 9 (Folder)

**Article - "Thermochemistry of the Biochemical Reaction" by Robert N. Goldberg and Yadu B. Tewari**

**Unit ID** /repositories/2/archival\_objects/180942

**Unit Date** 2002

**Mixed Materials** 27 (Box)

**Container** 10 (Folder)

**"Electrostatics" Notes and Information**

**Unit ID** /repositories/2/archival\_objects/180943

**Unit Date** circa 1986

**Mixed Materials** 27 (Box)

**Container** 11 (Folder)

**Articles on Enzymes and Catalysis**

**Unit ID** /repositories/2/archival\_objects/180944

**Unit Date** 2004 - 2009

**Mixed Materials** 27 (Box)

**Container** 12 (Folder)

**Articles on Extremophiles**

**Unit ID** /repositories/2/archival\_objects/180945

**Unit Date** 2006 - 2007

**Mixed Materials** 27 (Box)

**Container** 13 (Folder)

**"Garlic: molecular basis of the putative 'vampire-repellant' action and other matters related to heart and blood" by Mehendra Kumar Jain and Rafael Apitz-Castro - Correspondence from Jain**

**Unit ID** /repositories/2/archival\_objects/180946

**Unit Date** 1989

**Mixed Materials** 27 (Box)

**Container** 14 (Folder)

**Correspondence with Victor M. Glasberg on Potential Eviction**

**Unit ID** /repositories/2/archival\_objects/180947

**Unit Date** 2010 - 2014

**Mixed Materials** 27 (Box)

**Container** 15 (Folder)

**Glossary of Scientific Terms - Morowitz's January 2005 Schedule**

**Unit ID** /repositories/2/archival\_objects/180948

**Unit Date** 2005

**Mixed Materials** 27 (Box)

**Container** 16 (Folder)

**"Hammond Report" - Study on Smoking**

**Unit ID** /repositories/2/archival\_objects/180949

**Unit Date** 1970s

**Mixed Materials** 27 (Box)

**Container** 17 (Folder)

### **Articles by Hyman Hartman**

**Unit ID** /repositories/2/archival\_objects/180950

**Unit Date** 1980s - 2000s

**Mixed Materials** 27 (Box)

**Container** 18 (Folder)

### **"Hydration" Notes and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180951

**Unit Date** 1952 - 1954

**Mixed Materials** 27 (Box)

**Container** 19 (Folder)

### **Articles on Hopane**

**Unit ID** /repositories/2/archival\_objects/180952

**Unit Date** 1992 - 2007

**Mixed Materials** 27 (Box)

**Container** 20 (Folder)

### **Information Theory and Other Concepts**

**Unit ID** /repositories/2/archival\_objects/180953

**Unit Date** 2014

**Mixed Materials** 27 (Box)

**Container** 21 (Folder)

### **International Chemical Identifier Information**

**Unit ID** /repositories/2/archival\_objects/180954

**Unit Date** circa 2013

**Mixed Materials** 27 (Box)

**Container** 22 (Folder)

### **Articles on Iron Complexes**

**Unit ID** /repositories/2/archival\_objects/180955

**Unit Date** 1990s

**Mixed Materials** 27 (Box)

**Container** 23 (Folder)

### **Immanuel Kant Information**

**Unit ID** /repositories/2/archival\_objects/180956

**Unit Date** 2005

**Mixed Materials** 27 (Box)

**Container** 24 (Folder)

### **Articles on Consciousness**

**Unit ID** /repositories/2/archival\_objects/180957

**Unit Date** 2000s

**Mixed Materials** 28 (Box)

**Container** 1 (Folder)

### **Articles and Notes on Judaica**

**Unit ID** /repositories/2/archival\_objects/180958

**Unit Date** 1980s - 2000s

**Mixed Materials** 28 (Box)

**Container** 2 (Folder)

### **"What Shall We Make of Henry Margenau? A Religion-and-Science Pioneer of the Twentieth Century" by William A. Durbin**

**Unit ID** /repositories/2/archival\_objects/180959

**Unit Date** March 1999

**Mixed Materials** 28 (Box)

**Container** 3 (Folder)

### **William Martin Correspondence and Articles**

**Unit ID** /repositories/2/archival\_objects/180960

**Unit Date** 2012 - 2013

**Mixed Materials** 28 (Box)

**Container** 4 (Folder)

### **Matrix School Information**

**Unit ID** /repositories/2/archival\_objects/180961

**Unit Date** 2014

**Mixed Materials** 28 (Box)

**Container** 5 (Folder)

### **Joan McCord Articles and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180962

**Unit Date** 1970s - 1990s

**Mixed Materials** 28 (Box)

**Container** 6 (Folder)

### **"Mineral Ecology: Chance and Necessity in the Mineral Diversity of Terrestrial Planets" by Robert M. Hazen, et al - Correspondence from Hazen**

**Unit ID** /repositories/2/archival\_objects/180963

**Unit Date** 2014

**Mixed Materials** 28 (Box)

**Container** 7 (Folder)

### **Immanuel Kant Information**

**Unit ID** /repositories/2/archival\_objects/180964

**Unit Date** 2013 - 2014

**Mixed Materials** 28 (Box)

**Container** 8 (Folder)

### **"Non Enzymatic Synthesis" Information**

**Unit ID** /repositories/2/archival\_objects/180965

**Unit Date** 1990s

**Mixed Materials** 28 (Box)

**Container** 9 (Folder)

**Neuroscience Research Program Bulletin****Unit ID** /repositories/2/archival\_objects/180966**Unit Date** July - August 1964**Mixed Materials** 28 (Box)**Container** 10 (Folder)**National Science Foundation Correspondence and Information****Unit ID** /repositories/2/archival\_objects/180967**Unit Date** 2007 - 2008**Mixed Materials** 28 (Box)**Container** 11 (Folder)**Science Articles****Unit ID** /repositories/2/archival\_objects/180968**Unit Date** 1970s - 1990s**Mixed Materials** 28 (Box)**Container** 12 (Folder)**"Organocatalysis Lost" Information, Correspondence, and Related Articles****Unit ID** /repositories/2/archival\_objects/180969**Unit Date** 2007 - 2009**Mixed Materials** 28 (Box)**Container** 13 (Folder)**"Umar Khayyam And His Age" by Otto Rothfeld - 1922****Unit ID** /repositories/2/archival\_objects/180970**Unit Date** circa 1980s**Mixed Materials** 28 (Box)**Container** 14 (Folder)**Articles on Origin of Life****Unit ID** /repositories/2/archival\_objects/180971**Unit Date** 1960s - 2000s**Mixed Materials** 28 (Box)**Container** 15 (Folder)**Articles by Lars Onsager****Unit ID** /repositories/2/archival\_objects/180972**Unit Date** 1930s - 1960s**Mixed Materials** 28 (Box)**Container** 16 (Folder)**Patentability Search - Production of Petroleum Compounds from Natural Gas****Unit ID** /repositories/2/archival\_objects/180973**Unit Date** 1990**Mixed Materials** 28 (Box)**Container** 17 (Folder)

### **Articles on Philosophy**

**Unit ID** /repositories/2/archival\_objects/180974

**Unit Date** 2009 - 2012

**Mixed Materials** 28 (Box)

**Container** 18 (Folder)

### **Information and Notes on Pathogens**

**Unit ID** /repositories/2/archival\_objects/180975

**Unit Date** 2000s

**Mixed Materials** 29 (Box)

**Container** 19 (Folder)

### **Information and Articles on Peptides**

**Unit ID** /repositories/2/archival\_objects/180976

**Unit Date** 1970s

**Mixed Materials** 29 (Box)

**Container** 20 (Folder)

### **"Principal Semantic Components of Language and the Measurement of Meaning" by Alexei V. Samsonovich and Giorgio A. Ascoli**

**Unit ID** /repositories/2/archival\_objects/180977

**Unit Date** 2000s

**Mixed Materials** 29 (Box)

**Container** 21 (Folder)

### **Philosophy of Neuroscience Papers, Articles, and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180978

**Unit Date** 2015

**Mixed Materials** 29 (Box)

**Container** 22 (Folder)

### **Articles and Information on Phosphates**

**Unit ID** /repositories/2/archival\_objects/180979

**Unit Date** 1970s - 1980s

**Mixed Materials** 29 (Box)

**Container** 23 (Folder)

### **"The Conservation of Homochirality and the Prebiotic Synthesis of Amino Acids" by Morowitz - "Musings" by F.H. Westheimer**

**Unit ID** /repositories/2/archival\_objects/180980

**Unit Date** 2000s

**Mixed Materials** 29 (Box)

**Container** 24 (Folder)

### **Science Articles**

**Unit ID** /repositories/2/archival\_objects/180981

**Unit Date** 1980s - 2000s

**Mixed Materials** 29 (Box)

**Container** 25 (Folder)

### **Essay and Submission Response**

**Unit ID** /repositories/2/archival\_objects/180982

**Unit Date** 1976

**Mixed Materials** 29 (Box)

**Container** 26 (Folder)

### **Reduction Potential Information**

**Unit ID** /repositories/2/archival\_objects/180983

**Unit Date** 2012

**Mixed Materials** 29 (Box)

**Container** 27 (Folder)

### **"Relations Among Rate Constants in Chemical Networks" by Morowitz, "Computer Aided Organic Synthesis: Development and Implementation of a Complete Synthetic Strategy" by Edward S. Blurock**

**Unit ID** /repositories/2/archival\_objects/180984

**Unit Date** 1970s - 1980s

**Mixed Materials** 29 (Box)

**Container** 28 (Folder)

### **Ribosomal RNA Information**

**Unit ID** /repositories/2/archival\_objects/180985

**Unit Date** 2014

**Mixed Materials** 29 (Box)

**Container** 29 (Folder)

### **Correspondence on Religion**

**Unit ID** /repositories/2/archival\_objects/180986

**Unit Date** 1980s

**Mixed Materials** 29 (Box)

**Container** 30 (Folder)

### **Marco Rolandi Correspondence and Related Materials**

**Unit ID** /repositories/2/archival\_objects/180987

**Unit Date** 2011

**Mixed Materials** 29 (Box)

**Container** 31 (Folder)

### **Walter Rosen Memorial Materials and Correspondence**

**Unit ID** /repositories/2/archival\_objects/180988

**Unit Date** 2006

**Mixed Materials** 29 (Box)

**Container** 32 (Folder)

### **Science Articles**

**Unit ID** /repositories/2/archival\_objects/180989

**Unit Date** 2000s

**Mixed Materials** 29 (Box)

**Container** 33 (Folder)

### **Articles About and By Oktay Sinanoglu**

**Unit ID** /repositories/2/archival\_objects/180990

**Unit Date** 1970s - 2000s

**Mixed Materials** 29 (Box)

**Container** 34 (Folder)

### **Correspondence with Temple Smith**

**Unit ID** /repositories/2/archival\_objects/180991

**Unit Date** 1980s - 1990s

**Mixed Materials** 29 (Box)

**Container** 35 (Folder)

### **Surface Tension Information**

**Unit ID** /repositories/2/archival\_objects/180992

**Unit Date** 2014

**Mixed Materials** 29 (Box)

**Container** 36 (Folder)

### **Santa Fe Institute - Report of the Matrix of Biological Knowledge Workshop - Held by Morowitz and Temple Smith**

**Unit ID** /repositories/2/archival\_objects/180993

**Unit Date** July 13 - August 14, 1987

**Mixed Materials** 29 (Box)

**Container** 37 (Folder)

### **Science Articles**

**Unit ID** /repositories/2/archival\_objects/180994

**Unit Date** 2009

**Mixed Materials** 29 (Box)

**Container** 38 (Folder)

### **Articles and Information on Spore Radiation**

**Unit ID** /repositories/2/archival\_objects/180995

**Unit Date** 1950s - 1960s

**Mixed Materials** 30 (Box)

**Container** 1 (Folder)

### **Articles and Correspondence by Sasa Svetina**

**Unit ID** /repositories/2/archival\_objects/180996

**Unit Date** 1990s - 2000s

**Mixed Materials** 30 (Box)

**Container** 2 (Folder)

### **STEM Summer Program Materials**

**Unit ID** /repositories/2/archival\_objects/180997

**Unit Date** 2011

**Mixed Materials** 30 (Box)

**Container** 3 (Folder)

**Stem Cell Research Materials**

**Unit ID** /repositories/2/archival\_objects/180998

**Unit Date** 2003 - 2005

**Mixed Materials** 30 (Box)

**Container** 4 (Folder)

**The International System of Units-Fundamental Constants and Conversion Factors by E.A. Mechtly**

**Unit ID** /repositories/2/archival\_objects/180999

**Unit Date** 1977

**Mixed Materials** 30 (Box)

**Container** 5 (Folder)

**Articles, Correspondence, and Information on Tardigrades**

**Unit ID** /repositories/2/archival\_objects/181000

**Unit Date** 2008 - 2012

**Mixed Materials** 30 (Box)

**Container** 6 (Folder)

**Articles, Notes, and Information on Thermal Destruction**

**Unit ID** /repositories/2/archival\_objects/181001

**Unit Date** circa 1980s, 2006

**Mixed Materials** 30 (Box)

**Container** 7 (Folder)

**"The Thermodynamics of the Krebs Cycle and Related Compounds" by Stanley L. Miller and David Smith-Magowan**

**Unit ID** /repositories/2/archival\_objects/181002

**Unit Date** 1990

**Mixed Materials** 30 (Box)

**Container** 8 (Folder)

**Information on Toxicology**

**Unit ID** /repositories/2/archival\_objects/181003

**Unit Date** 1980s

**Mixed Materials** 30 (Box)

**Container** 9 (Folder)

**List of Scientific Terms in Verb Form**

**Unit ID** /repositories/2/archival\_objects/181004

**Unit Date** circa 1980s

**Mixed Materials** 30 (Box)

**Container** 10 (Folder)

**"Life in the Second and Third Periods; or Why Phosphorus and Sulfur for High-Energy Bonds?" by George Wald**

**Unit ID** /repositories/2/archival\_objects/181005

**Unit Date** circa 1960s

**Mixed Materials** 30 (Box)

**Container** 11 (Folder)

**Articles and Correspondence by Douglas C. Wallace**

**Unit ID** /repositories/2/archival\_objects/181006

**Unit Date** 2011

**Mixed Materials** 30 (Box)

**Container** 12 (Folder)

**Articles and Correspondence by Thomas G. Waddell**

**Unit ID** /repositories/2/archival\_objects/181007

**Unit Date** 1990s - 2000s

**Mixed Materials** 30 (Box)

**Container** 13 (Folder)

**Articles by Carl R. Woese**

**Unit ID** /repositories/2/archival\_objects/181008

**Unit Date** 1980 - 2012

**Mixed Materials** 30 (Box)

**Container** 14 (Folder)

**Articles on Neural Systems**

**Unit ID** /repositories/2/archival\_objects/181009

**Unit Date** 2013 - 2015

**Mixed Materials** 30 (Box)

**Container** 15 (Folder)

**Articles by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181010

**Unit Date** 1950s

**Mixed Materials** 30 (Box)

**Container** 16 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181011

**Unit Date** 1960s

**Mixed Materials** 30 (Box)

**Container** 17 (Folder)

**"Census of Hawaiian humpback whales (*Megaptera novaeangliae*) by individual identification" by Morowitz and James D. Darling**

**Unit ID** /repositories/2/archival\_objects/181012

**Unit Date** 1985

**Mixed Materials** 31 (Box)

**Container** 1 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181013

**Unit Date** 1960s

**Mixed Materials** 31 (Box)

**Container** 2 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181014

**Unit Date** 1960s

**Mixed Materials** 31 (Box)

**Container** 3 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181015

**Unit Date** 1970s

**Mixed Materials** 31 (Box)

**Container** 4 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181016

**Unit Date** 1970s

**Mixed Materials** 31 (Box)

**Container** 5 (Folder)

**"The emergence of symbiosis through the kinetic optimization of growth" by Rogier Braakman**

**Unit ID** /repositories/2/archival\_objects/181017

**Unit Date** August 15, 2015

**Mixed Materials** 31 (Box)

**Container** 6 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181018

**Unit Date** 1980s

**Mixed Materials** 31 (Box)

**Container** 7 (Folder)

**"An Automated Adsorption Isotherm Device" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181019

**Unit Date** 1976

**Mixed Materials** 31 (Box)

**Container** 8 (Folder)

**"Correspondence - Radiation Inactivation of Oxidative Phosphorylation" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181020

**Unit Date** 1977

**Mixed Materials** 31 (Box)

**Container** 9 (Folder)

**"Perspectives on Thermodynamics and the Origin of Life" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181021

**Unit Date** 1977

**Mixed Materials** 32 (Box)

**Container** 1 (Folder)

**"A Hydrodynamic Theory of Ion Conductance Through Ohmic Pores" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181022

**Unit Date** 1978

**Mixed Materials** 32 (Box)

**Container** 2 (Folder)

**"ATP Synthetase Associated with the Nitrogenase of Azotobacter Vinelandii" by Morowitz and Lucille Morowitz**

**Unit ID** /repositories/2/archival\_objects/181023

**Unit Date** 1978

**Mixed Materials** 32 (Box)

**Container** 3 (Folder)

**"Histograms of Conductance Fluctuations Induced by Alamethicin in Black Lipid Membranes" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181024

**Unit Date** September 22, 1978

**Mixed Materials** 32 (Box)

**Container** 4 (Folder)

**"Molecular mechanisms for proton transport in membranes" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181025

**Unit Date** October 3, 1977

**Mixed Materials** 32 (Box)

**Container** 5 (Folder)

**"Dilatometry of Biological Membranes" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181026

**Unit Date** 1973

**Mixed Materials** 32 (Box)

**Container** 6 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181027

**Unit Date** 1970s

**Mixed Materials** 32 (Box)

**Container** 7 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181028

**Unit Date** 1990s

**Mixed Materials** 32 (Box)

**Container** 8 (Folder)

**"The Biological Time Scale" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181029

**Unit Date** circa 1970s

**Mixed Materials** 32 (Box)

**Container** 9 (Folder)

**Matrix of Metabolism CD-ROM**

**Unit ID** /repositories/2/archival\_objects/181030

**Unit Date** February 2007

**Mixed Materials** 32 (Box)

**Container** 10 (Folder)

**"The Chemical Composition and Submicroscopic Morphology of Mycoplasma gallisepticum, Avian PPLO 5969" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181031

**Unit Date** 1961

**Mixed Materials** 32 (Box)

**Container** 11 (Folder)

**"Lipid Composition and Synthesis in the Pleuropneumonia-Like Organism Mycoplasma Gallisepticum" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181032

**Unit Date** 1963

**Mixed Materials** 32 (Box)

**Container** 12 (Folder)

**"Separation of Peptides by Paper Electrophoresis and Chromatography" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181033

**Unit Date** 1962

**Mixed Materials** 32 (Box)

**Container** 13 (Folder)

**"The Irradiation of the Pleuropneumonia-Like Organism A5969 with Cobalt-60 Gamma rays" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181034

**Unit Date** 1960

**Mixed Materials** 32 (Box)

**Container** 14 (Folder)

**Scientific American Article - "The Smallest Living Cells" Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181035

**Unit Date** March 1962

**Mixed Materials** 32 (Box)

**Container** 15 (Folder)

**"A Connexion between S-S Bond Breakage and Inactivation by Radiation of a Dry Enzyme" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181036

**Unit Date** April 23, 1960

**Mixed Materials** 32 (Box)

**Container** 16 (Folder)

**"The Effect of Charged Particle Irradiation on Germination of Bacillus subtilis" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181037

**Unit Date** 1960

**Mixed Materials** 32 (Box)

**Container** 17 (Folder)

**"Microsome Distribution During Germination of Bacterial Spores" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181038

**Unit Date** October 12, 1959

**Mixed Materials** 32 (Box)

**Container** 18 (Folder)

**"Enumeration of Pleuropneumonia-Like Cultures" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181039

**Unit Date** December 3, 1959

**Mixed Materials** 32 (Box)

**Container** 19 (Folder)

**Physics Today - "Opportunities in Biophysics" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181040

**Unit Date** March 1960

**Mixed Materials** 32 (Box)

**Container** 20 (Folder)

**"Amino Acid Composition of the Positive, Neutral, and Negative Peptides of Trypsin-Digested Escherichia Coli Protein" by Morowitz, et al**

**Unit ID** /repositories/2/archival\_objects/181041

**Unit Date** June 22, 1960

**Mixed Materials** 32 (Box)

**Container** 21 (Folder)

**"Molecular Physics of Living Cells" by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181042

**Unit Date** 1960

**Mixed Materials** 32 (Box)

**Container** 22 (Folder)

**Krasnow Institute - Evolution, Neurobiology and Behavior - 1995 Workshop**

**Unit ID** /repositories/2/archival\_objects/181043

**Unit Date** May 31 - June 4, 1995

**Mixed Materials** 32 (Box)

**Container** 23 (Folder)

**Santa Fe Institute - Report of the Matrix of Biological Knowledge Workshop - Held by Morowitz and Temple Smith - July 13 - August 14, 1987**

**Unit ID** /repositories/2/archival\_objects/181044

**Unit Date** October 30, 1987

**Mixed Materials** 32 (Box)

**Container** 24 (Folder)

**"Abstracts - Bioinformatics, Integration of Organismic and Molecular Data Bases, and Use of Expert Systems in Biology"**

**Unit ID** /repositories/2/archival\_objects/181045

**Unit Date** July 9 - 11, 1990

**Mixed Materials** 32 (Box)

**Container** 25 (Folder)

**Correspondence**

**Unit ID** /repositories/2/archival\_objects/181046

**Unit Date** circa 2000s

**Mixed Materials** 32 (Box)

**Container** 26 (Folder)

**Correspondence and CD-ROM From Larry S. Liebovitch, Florida Atlantic University**

**Unit ID** /repositories/2/archival\_objects/181047

**Unit Date** circa April 2002

**Mixed Materials** 32 (Box)

**Container** 27 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181048

**Unit Date** 2000s

**Mixed Materials** 33 (Box)

**Container** 1 (Folder)

**Articles and Research by Morowitz**

**Unit ID** /repositories/2/archival\_objects/181049

**Unit Date** 2011

**Mixed Materials** 33 (Box)

**Container** 2 (Folder)

**Connectivity Information and Research**

**Unit ID** /repositories/2/archival\_objects/181050

**Unit Date** 2006

**Mixed Materials** 33 (Box)

**Container** 3 (Folder)

**Notes and Information on Compounds**

**Unit ID** /repositories/2/archival\_objects/181051

**Unit Date** 2000s

**Mixed Materials** 33 (Box)

**Container** 4 (Folder)

**Correspondence with Students**

**Unit ID** /repositories/2/archival\_objects/181052

**Unit Date** 2003

**Mixed Materials** 33 (Box)

**Container** 5 (Folder)

**Sara Stalman Correspondence and Essay**

**Unit ID** /repositories/2/archival\_objects/181053

**Unit Date** 2015 - 2016

**Mixed Materials** 33 (Box)

**Container** 6 (Folder)

**Copies of Photos of Morowitz****Unit ID** /repositories/2/archival\_objects/181054**Unit Date** 2010 - 2016**Mixed Materials** 33 (Box)**Container** 7 (Folder)**Notebook containing notes by Morowitz****Unit ID** /repositories/2/archival\_objects/181055**Unit Date** circa 1980s**Mixed Materials** 34 (Box)**Container** 1 (Folder)**Rubin, Harry re: Walter Elsasser****Unit ID** /repositories/2/archival\_objects/388331**Unit Date** May 7, 1922, circa 2001**Mixed Materials** 34 (Box)**Container** 2 (folder)**Ulanowicz, Richard E. email re: Walter Elsasser****Unit ID** /repositories/2/archival\_objects/388332**Unit Date** January 2005**Mixed Materials** 34 (Box)**Container** 3 (folder)**"Biographical Memoirs: Walter M. Elsasser" by Harry Rubin, National Academy of Sciences****Unit ID** /repositories/2/archival\_objects/388333**Unit Date** circa 1990s - 2000s**Mixed Materials** 34 (Box)**Container** 4 (folder)**"Discussion Forum: The mechanism of oxidative phosphorylation" by Harold J. Morowitz and R.J.P. Williams, TIBS****Unit ID** /repositories/2/archival\_objects/388334**Unit Date** October 1976**Mixed Materials** 34 (Box)**Container** 5 (folder)**General correspondence****Unit ID** /repositories/2/archival\_objects/388335**Unit Date** 2004-2010**Mixed Materials** 34 (Box)**Container** 6 (folder)**Scope and Contents**

Michael P. Cohen, President, Washington Academy of Sciences; Dr. Geoffrey B. West, President and Distinguished Professor, Santa Fe Institute ; John S. Cummins, Bishop Emeritus, Diocese of Oakland, printed email ; Dr. James Fries, President, New Mexico Highlands University ; Herman Wouk, BSW Literary Agency, Inc.

**PPLO coloring book****Unit ID** /repositories/2/archival\_objects/388336**Unit Date** circa 1980s**Physical Location** Folder in shared manuscript box - R 71, C 1, S 1