

**Gray, George W. (George Willlam), 1886-
Papers, 1910-1960.**
91 linear ft. (ca. 87,300 items in 198 boxes).

Biography: Journalist. Gray was the author of many articles and books on science for the layman.

Summary: Correspondence, notes, manuscripts, photographs, reprints, and subject files. The files consist primarily of note and manuscript material for his books, particularly *The Advancing Front of Medicine* (1941) and *Science at War* (1943); and of extensive subject files of notes, clippings, and correspondence used in the preparation of a wide variety of articles and stories.

Organization: Arranged.

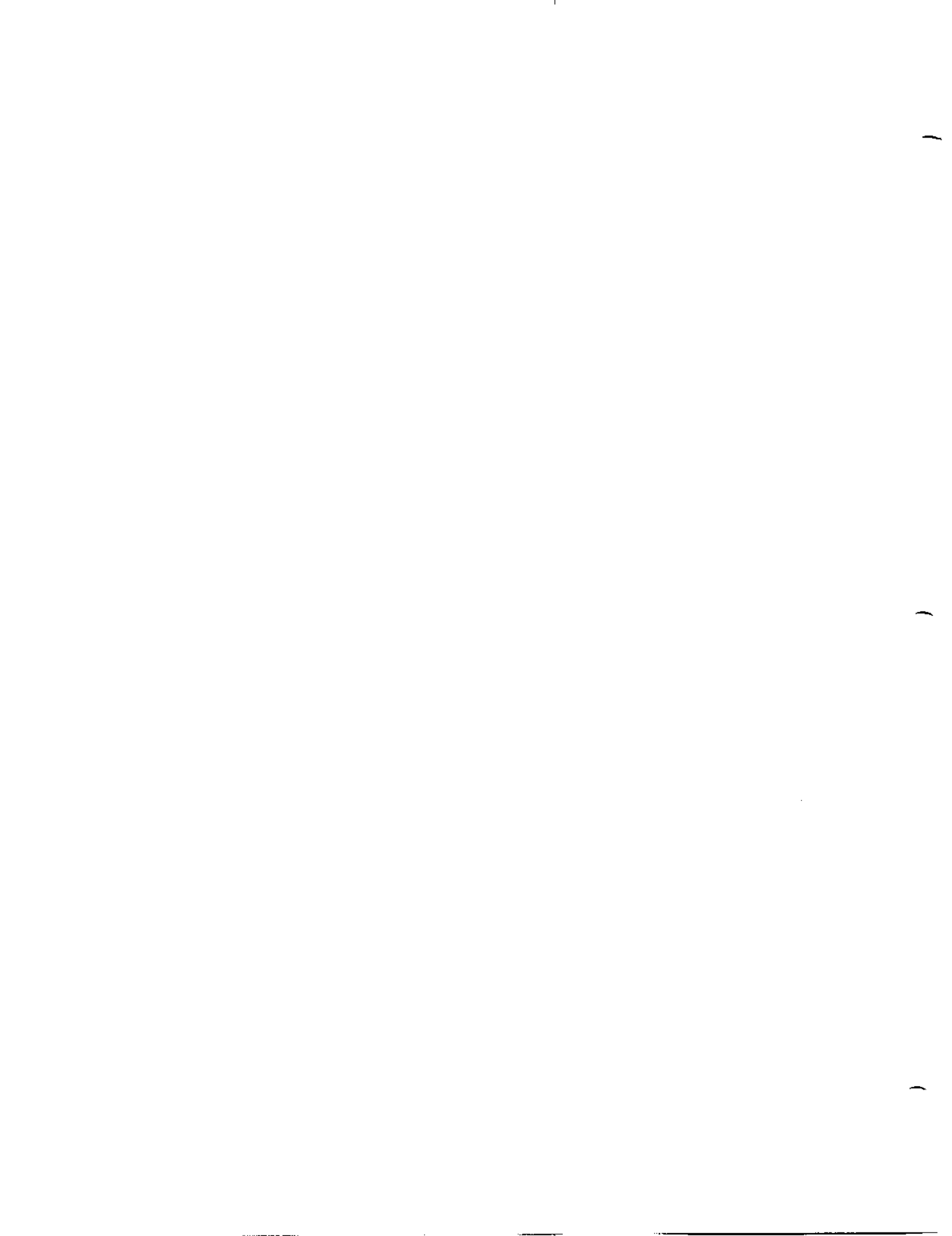
Finding aids: Contents list, 13p.

Publications: Gray, George William. *The Advancing Front of Medicine*. New York : McGraw-Hill Book Company, inc., 1941. Gray, George William. *Science at War*. New York : Harper & Brothers, 1943.

Restrictions on use: Collection shelved offsite & requires 48 hours for access.
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Permission to publish materials must be obtained in writing from the Librarian for Rare Books and Manuscripts.

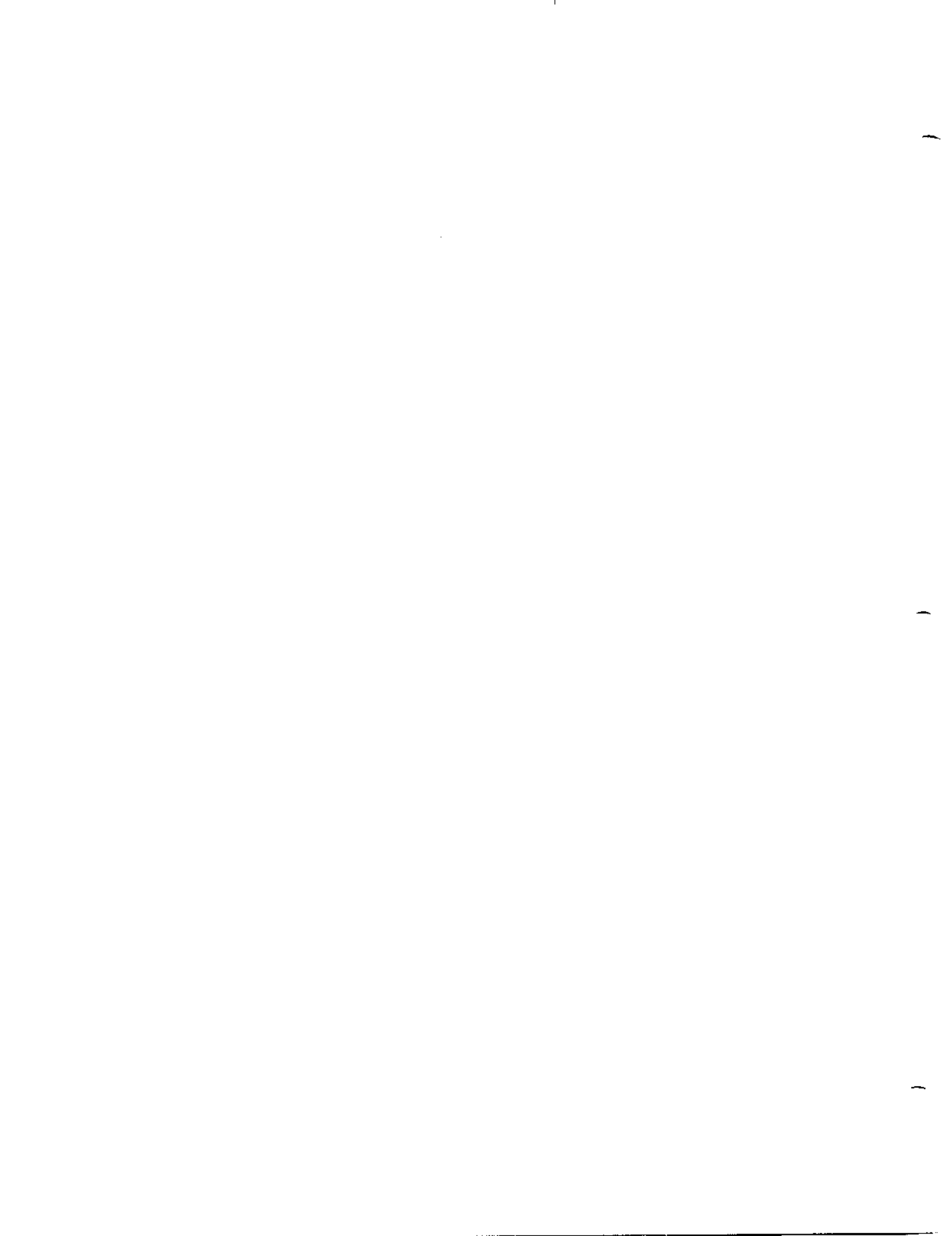
1. Technical writing. 2. Science. 3. Medicine. 4. Journalism, Medical. 5. Journalism, Scientific. 6. Photoprints.
7. Journalists. 8. Authors.

ID: NYCR89-A355



George W. GRAY Papers - Contents List

	Box Numbers
Correspondence	1 - 3 Shelved off-site
Manuscripts	
Diaries and notebooks, 1911 - 1960	4 - 6 Shelved off-site
Books - notes, manuscripts and proofs	
New World Picture (1936)	7 - 14 Shelved off-site
Advancing Front of Science (1937)	15 - 17 Shelved off-site
Advancing Front of Medicine (1941)	18 - 34 Shelved off-site
Education on an International Scale (1941)	35
Science at War (1943)	Shelved off-site 36 - 46 and oversize
Frontiers of Flight (1948)	47 Shelved off-site
This Tremendous Scene (1959 - unpublished)	48 - 54 Shelved off-site
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Documents - Financial and legal	60 - 63 Shelved off-site
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Series II - see attached list	111 - 193 Shelved off-site
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Articles and reprints by George W. Gray	196 - 197 Shelved off-site
Articles and reprints by others	198 Shelved off-site




DRAWER A Shelved off-site

ASTRONOMY

Astronomical Equipment and Photos
Astronomical Literature - Book titles, Quotes, etc.
Telescopes - 1920's-1930's
New Observatories
Harvard College Observatory - 1932
" " " - 1934
Harlow Shapley - 1927
1929
1931
Anna Jump Cannon - H.C.O.
New Eyes - Draft of Chapter I
Abbe Georges Lemaitre
World Bubble - Chapter VIII
Mechanical Universe - Chapter II
World Structure - Chapter VII
World Stuff - Chapter VI
Dr. E. P. Hubble - 1934
Dr. H. P. Robertson - Princeton
The Relativist Universe - Chapter III
Albert Einstein
Rotation of the Galaxy
Astronomical Societies
Astronomical Society of the Pacific
American Interplanetary Society
Gravitation - Newton and Einstein
Size of the Universe
Age of the Universe
Harlan T. Stetson - 2 folders
Eclipse of 1925
" " 1937
The Sun - including solar power
Charles G. Abbot - interviews
W. H. Pickering - correspondence
The Moon - notes - 2 folders
Article on the Moon - Mss.
Comets
Meteors
Mars
Solar System
Saturn
Transneptunian Planets
Life on the Planets
Variable Stars
American Association of Variable Star Observers

Boxes
64 - 67

AERONAUTICS - General File on  Box 67

ATOMIC ENERGY - General File

- Research at University of Chicago
- " " University of California
- " " Argonne Laboratory
- Visit to E. O. Lawrence, 1946
- Atomic Bomb - general
 - personal
 - Wm. L. Lawrence
 - Moral and Political
 - Theoretical and Technical
 - History
 - RF connection

Boxes
68 - 69

- Hydrogen Bomb
- Atomic Energy - Applications
- Betatrions
- Cyclatrions
- Linear Accelerators
- Synchrotrons
- Power for Aircraft
- Medical Applications

PHYSICS - General File

- The Ultimate Particles
- Particles of the Atom
- Creation of Matter
- Bainbridge and Street
- Spin of the Particle
- John A. Wheeler - interview
- Brookhaven Laboratory
- Interchange of Nuclear Parts
- Nuclear Forces

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70 - 71

Unlisted Subject Files,
Primarily on Atomic Physics

Boxes 72 - 73

DRAWER C *Shelved off-site*

CHILD RESEARCH COUNCIL - 3 folders — Boxes 77 - 78

FEAR - Psychological Study of
Fear of Battle
Fear of Surgery
Voodoo Fear
Sudden Death of Mental Patients — Boxes 76 - 77
Chemical Aspects
Cortin Treatment
Foster Kennedy - correspondence
Elton Mayo - interview
E. A. Straker

SEX RESEARCH - 3 folders — Box 76

CONSTITUTIONAL MEDICINE - 3 folders — Box 75
George Draper
E. Sheldon
He Who Gets Sick

COSMIC RAYS - 16 folders — Boxes 74 - 75

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PHOTOSYNTHESIS -

- Box 79

Harper's article
Burk and Warburg
Daniel I. Arnon
Carnegie Lab - Stacy French

BIOCHEMISTRY

University of Texas, R. J. Williams
Overly, Arthur S. Schade

WATER - Smith of Brooklyn Polytechnic
CHEMISTRY - 1937-1942

ERSATZ

~~HELIUM~~ - 1937 Helium

SILICONES

PROTEINS AND AMINO ACIDS

SULFUR - INDUSTRIAL - Biological

PHYSICAL CHEMISTRY

University of Chicago - Hogness
Harvard, E. J. Cohn - 3 folders

ARTHUR C. LANGMUIR - Notes and Correspondence

Boxes 80 - 82

Yerkes Labs -

Boxes 83 - 84

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NOBEL PRIZES - 9 folders + - Boxes 89 - 90
HARVARD COMMITTEE TO VISIT THE DEPARTMENT OF PHYSICS - 3 folders
AAAS Centennial Meeting
WESTINGHOUSE AWARD FOR 1949
RADIO SCRIPTS FOR U.S. RUBBER - 3 folders
CORRESPONDENCE WITH MR. HACKENGER
HOW TO TALK SCIENCE
FASTASIA IN F
~~NEVER NEVER LAND~~ - Transferred to "Never Say Never"
USELESS SCIENCE
NEW GADGETRY OF SCIENCE
THAT 10-YEAR HOLIDAY
FORTUNATE ACCIDENTS
SCIENTIFIC CONTROVERSIES
INTUITION IN RESEARCH
PRIZES
POSSIBLE FUTURES
THE SCIENTIFIC MIND
FILE OF G.E. QUESTIONS ON SCIENCE
YALE REVIEW
GERALD WENDT - Correspondence
IDEAS FOR HARPER'S
IDEAS FOR THIS WEEK
IDEAS FOR CORONET
TECHNOLOGY REVIEW - J. R. KILLIAN
THE COMMENTATOR
WASHINGTON TRIP - December, 1936
IDEAS FOR ARTICLES - 4 folders
REVIEWS OF SCIENCE BOOKS
OWI BROADCASTS DURING W.W. II
GWG ARTICLES - clippings of

& several miscellaneous folders.

Boxes
85 - 88

DRAWER G Shelved off-site

POWER - 2 general folders
Steam - Orrick and others
Electric Power
Water Power
Wind Power
Gas Power
Power
Rocket Power
Atomic Power

by Wireless

Boxes 91 - 92

RUBBER

Natural
Quayule
General
Publications

GEOLOGY

Geological Survey
Earthquakes
Mountain Movements
Geophysics
Earth's Rotation Changing

X-RAYS

RADIUM

DR. PAUL R. HEYL - 2 folders

GRAVITATION

ELECTRONICS

RADIO MARTS - Stetson

E. H. ARMSTRONG

ARTIFICIAL LIGHT - Lamps

GEORGE R. HARRISON - Spectroscopy

INFRARED LIGHT

TEMPERATURES - Heat of Flames

COLD LIGHT - Newton Harvey

CLOCKS - JEWELS - THE COMPASS

PERPETUAL MOTION

LIGHTNING

TELEVISION

Boxes 93 - 94

LIFE

Biological Applications of Physics and Chemistry
Radiation and Life - Harper 1934 article
Electricity and Life - Harper 1943 article
Electrodynamic Theory of Life - H. S. Burr
Electrical Basis of Life - follow-up material

Boxes 95 - 96

E. J. LUND INTERVIEWS 1931, and article
BIO-ELECTRICITY

ENTROPY - Downstream

LIFE IN THE WORLD

1937 BIOLOGY

EFFECTS OF SPEED ON LIFE

NATURE OF PROTOPLASM

CURRENT MEDICAL RESEARCH - 1940's

ENDOCRINE GLANDS

MENTAL HYGIENE - War Neuroses

THE WAR OF NERVES - ms

GENETICS

X-ray experiments, G.E. Laboratory

H. J. Muller, 1931, University of Texas

The Atom of Heredity

Carnegie Reprints

Boxes 97 - 98

RADIATION AND BIOLOGY

DEAN BURK - 2 folders

HAROLD MESTRE

DR. H. A. SPOEHR - Plant Physiology

DR. KENNETH COLE, Columbia University

ORIGIN OF LIFE

CHEMICAL ELEMENTS OF LIFE

HIBERNATION

BIOLOGY - General folder - 1930's

VICTOR HAMBURGER - Interview of 1942

TYPHUS - notes and mss.

MAN - notes for chapter XI of Post Newtonian World

Box 99

1962

DRAWER J Shelves off-site

- ANTIBIOTICS - 14 folders - Boxes 99 - 100
- ELECTROPHORESIS - 4 folders - Box 101
- ULTRACENTRIFUGE - 6 folders - Boxes 101 - 102
- CANCER - 1 folder } Box 102
- COMMISSION ON RELIGION AND HEALTH }
- BRAIN FUNCTION - The Great Raveled Knot - 13 folders Box 103

DRAWER L

Shelved off-site

UNIVERSITY OF TEXAS MAGAZINE - 1902-05
" " " CACTUS - 1903 and 04
VERSE MSS.

Boxes 104 - 105
(Excluding Texas material -
not in drawer)

CALDWELL, TEXAS
HOUSTON - early days
THEMES WRITTEN AT UNIVERSITY OF TEXAS - Griffith and Campbell
TEXAS STATE HISTORICAL ASSOCIATION
MOTHER, APRIL, 1946
HOUSTON - illustrated booklet of 1930
E. J. LUND OUSTED BY UNIVERSITY OF TEXAS
TEXAS BOOKLETS
Austin
San Antonio
New Orleans
FILE OF TEXAS SPECTATOR for swl years
HARVARD TERCENTENARY sup. to Boston Herald
THEMES WRITTEN AT HARVARD FOR BRIGGS
VERSES WRITTEN AT HARVARD - advocate
NEW YORK WORLD

UNIVERSITY OF TEXAS CENTENARY
THE I. PRYOR CORRESPONDENCE
LONNE MORROW - 1930 article
W. G. PECKHAM CORRESPONDENCE
BOB WESON
ELMER RAWLINGS
TRIANGLE CLUB - FRANK ROSSI
SEAWELL GENEALOGY
TEXAS TRIP - 1925
GRANDMOTHER CALDWELL - LOST ISLAND
GRANDFATHER'S DIARY - 1845

PHYSICS

Box 106

Electron (first draft NWP)
Uncertainty
Indeterminney Principle
Heisenberg - Matrix Mechanics
Schroedenger - Wave Mechanics
Kernel of Nature - Nuclear Physics
G. B. Breit - Interview with
Nuclear Mechanics - Gamow - London

Box 107

Atomic Mechanism - Bohr, Moseley
Positron
Neutron
P. A. M. Dñane
Time
Chance - Luck - Probability
A. H. Compton - 1932
" - 1933
Cosmic Rays, 1932 - 36
H. C. Urey

Box 108

Tune, Hofstad, and Dahl
Quantum Theory - the Atom of Action
New Discoveries within the Atom
Karl T. Compton
P. W. Bridgman
The Curies - Marie and Irene
A. A. Michaelson
R. A. Millikan
Sir Arthur Eddington
Sir James Jeans
Henry Norris Russell
A. L. Loomis
Dr. F. F. Lucas
Thomas A. Edison
Faraday
Nikola Tesla

BIOLOGY

Box 109

Mathematical and Phtsical Attack on Biology Problems
Vital Aspects of Non-Living - tin disease
Vitalism and Mechanism
~~Dr. Alexis Carrel~~
W. J. V. Osterhont
~~Thinking Machines~~
~~Dr. Clark L. Hull~~

Shelved off-site

BIOLOGY (Continued)

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Biological Models

W. M. Stanley's Crystals - Virus

"Men of Science at Washington University"

Interpretation of Science - 3 volumes

of Conference at Rye, 1938 - 1939

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