

# **E. H. Vestine Papers**

## **A Finding Aid to the Collection in the Library of Congress**



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Prepared by Manuscript Division Staff

## Collection Summary

**Title:** E. H. Vestine Papers

**Span Dates:** 1932-1968

**ID No.:** MSS16501

**Creator:** Vestine, E. H. (Ernest Harry), 1906-1968

**Extent:** 3,900 items ; 17 containers plus one oversize ; 6.8 linear feet

**Language:** Collection material in English

**Location:** Manuscript Division, Library of Congress, Washington, D.C.

**Summary:** Physicist. Correspondence, reports, writings, printed matter, and miscellaneous material focusing on Vestine's career as a physicist and his work on geomagnetics, seismology, and cosmic rays.

## Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### People

Vestine, E. H. (Ernest Harry), 1906-1968.

### Organizations

Carnegie Institution of Washington.

International Scientific Radio Union.

National Research Council (U.S.). Committee for International Year of the Quiet Sun.

National Research Council (U.S.). Geophysics Research Board.

Rand Corporation.

World Magnetic Survey Board.

### Subjects

Cosmic rays.

Electromagnetic fields.

Geomagnetism.

Geophysics--International cooperation.

International Geophysical Year, 1957-1958.

International Years of the Quiet Sun, 1964-1965.

Physics.

Science--International cooperation.

Scientists--Australia--Correspondence.

Scientists--England--Correspondence.

Scientists--Japan--Correspondence.

Scientists--Soviet Union--Correspondence.

Seismology.

### Occupations

Physicists.

## Administrative Information

### Provenance

The papers of E. H. Vestine, physicist, were given to the Library of Congress by his wife, Mrs. E. H. Vestine, via the Rand Corp. in 1968-1969.

### Processing History

The Vestine Papers were housed and listed circa 1970. The finding aid was revised in 2011.

## Other Repositories

Other papers of E. H. Vestine are held by the Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.

## Copyright Status

The status of copyright in the unpublished writings of E. H. Vestine is governed by the Copyright Law of the United States (Title 17, U.S.C.).

## Access and Restrictions

The papers of E. H. Vestine are open to research. Researchers are advised to contact the Manuscript Reading Room prior to visiting. Many collections are stored off-site and advance notice is needed to retrieve these items for research use.

## Preferred Citation

Researchers wishing to cite this collection should include the following information: Container number, E. H. Vestine Papers, Manuscript Division, Library of Congress, Washington, D.C.

## Biographical Note

<i>Date</i>	<i>Event</i>
1906, May 9	Born, Minneapolis, Minn.
1908	Moved to Alberta, Canada
1931	B.A., University of Alberta, Edmonton, Canada
1932	Joined Canadian Meteorological Office, Toronto, Canada Led expedition to Meanook in northern Alberta to establish a magnetic observatory
1937	Doctorate in mathematics, University of London, London, England
1938	Assistant, Department of Terrestrial Magnetism, Carnegie Institution of Washington, Washington, D.C.
1946	Appointed head, Section on Theoretical Geophysics, Carnegie Institution of Washington, Washington, D.C.
1957	Joined Rand Corp.; performed work relating to International Geophysical Year
1964-1968	President, Geomagnetism Section, American Geophysical Union
1968, July 18	Died, Santa Monica, Calif.

## Scope and Content Note

The papers of Ernest Harry Vestine (1906-1968) span the years 1932-1968 and consist of correspondence, reports, writings, printed matter, and miscellaneous material focusing on Vestine's career as a physicist and his work on geomagnetics, seismology, and cosmic rays with the Carnegie Institution of Washington and the Rand Corporation. Much of the correspondence is international, including with scientists from the Soviet Union, England, Japan, and Australia on technical or organizational subjects. The collection contains meeting material, reports and writings relating to organizations and committees such as the World Magnetic Survey Board, the International Scientific Radio Union, the National Research

Council (U.S.) Geophysics Research Board, and the National Research Council (U.S.) Committee for International Year of the Quiet Sun. A focus is on the International Years of the Quiet Sun, 1964-1965, and the International Geophysical Year, 1957-1958.

## **Arrangement of the Papers**

The collection includes an addition and oversize material and is organized by name of organization or type of material.

# Container List

<i>Container</i>	<i>Contents</i>
BOX 1	Professional correspondence
BOX 1	1940-1965
BOX 2	1966-1968, undated
BOX 3	American Geophysical Union, correspondence and reports, 1959-1968
BOX 3	<i>Bartels-Handbuch</i> , article on Sq, correspondence and drafts, 1957
BOX 3	Committee on Cosmic Terrestrial Relationship, correspondence and reports, 1957-1961
BOX 3	Encyclopedia articles, correspondence, drafts, and galley proofs, 1958
BOX 4	Institute of Theoretical Geophysics, correspondence, 1955-1956
BOX 4	Kyoto Conference, Kyoto, Japan, correspondence, drafts, programs, and reports, 1961
BOX 4	Magnetic storms, correspondence and drafts, 1958
BOX 4	Medical, correspondence, drafts, and report on radiation and fields, 1959
BOX 5	Navy Ordnance Development Award, correspondence and articles, 1945-1946
BOX 5	Rocket Panel, correspondence, list of members, memorandum, proposal, and report, 1957-1961
BOX 5	International Scientific Radio Union, minutes of spring 1959 meeting and list of members
BOX 5	World Magnetic Survey Board, memoranda, reports, drafts, minutes of meetings, and proceedings, circa 1960-1967 <i>See also Container 11, same heading</i>
BOX 6	National Research Council (U.S.) Geophysics Research Board, memorandum, minutes of meetings, reports, list of committees and members, 1961-1968
BOX 6	National Research Council (U.S.) Committee for International Year of the Quiet Sun, reports and memoranda, circa 1964-1967
BOX 6	Report of United States delegation on the St. Gall, Switzerland, meeting of International Association of Geomagnetism and Aeronomy, XIVth General Assembly of International Union of Geodesy and Geophysics, 1967, Sept. 25-Oct. 7
BOX 6	United States National Committee for International Geophysical Year, program and budget estimate by project, 1956, Aug. 1
BOX 7	Committee on Polar Research, 21st meeting, 1967, May 22
BOX 7	Doctoral thesis, "The Magnetic Disturbance Field in Auroral Regions"
BOX 8	Articles, drafts, and reports
BOX 8	Notes on articles by contemporaries
BOX 8	Articles reviewed and commented on by Vestine
BOX 9	Reprints of articles by Vestine, 1932-1968
BOX 10	Old reports, pre-Rand Corp., circa 1949-1951
BOX 10	Unsorted research notes
BOX 10	Articles, abstracts, and reports by contemporaries, circa 1950-1967
BOX 11	World Magnetic Survey Board, notes and instruction manual, 1964-1967
BOX 11	Department of Terrestrial Magnetism, Carnegie Institution of Washington, Reports, 1943-1944
BOX 11	Rand Corp. research memoranda and pamphlets
BOX 11	1957-1963
BOX 12	1960-1964
BOX 13	College course notes
BOX 14	College course notes

## Container List

<i>Container</i>	<i>Contents</i>
BOX 14	Programs of meetings
BOX 15	Programs of meetings
BOX 15	Miscellaneous memoranda, 1955-1967
BOX 15	Miscellany, including programs, newsletter, bibliography, form letter, biographical outline, job data, outlines, notes, invoice, map of Moscow, USSR, tentative plans for articles, regulations for presentation and publication of papers, and <i>Icarus, International Journal of Space Navigation</i> <u><i>See also Container OV 1, Oversize statistical data and graphs</i></u>
BOX 16	Printed matter
BOX 16	Plates regarding earth's magnetic fields
BOX 17	Addition
BOX 17	Professional correspondence, 1959-1968
BOX 17	Reports, 1961-1963
BOX 17	Designation as delegate to 30th General Assembly of the International Union of Geodesy and Geophysics, Berkeley, Calif., 1963, Aug.19-31
BOX OV 1	Oversize statistical data and graphs