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Guide to the George S. Bailey Papers, 1969-2004

Title

George S. Bailey Papers (MSS Bailey)

Dates

1969-2004 (inclusive)
1986-2000 (bulk)

Creator

Bailey, G. S. (George Samuel)

Summary

The George S. Bailey Papers document research conducted by Bailey and several research faculty, graduate students, and postdoctoral researchers working under his direction on dietary cancer prevention agents. Bailey was a Professor of Environmental and Molecular Toxicology at Oregon State University from 1979 until his retirement in 2008.

Quantity

30 cubic feet, including 207 photographs (30 boxes)

Restrictions on Access

Collection is open for research.

Oregon State University Libraries, University Archives
121 The Valley Library
Oregon State University
Corvallis, OR 97331-4501
Phone: 541-737-2165
Email: archives@oregonstate.edu
Web: <http://osulibrary.oregonstate.edu/archives>

Finding aid prepared by Karl McCreary and Elizabeth Nielsen, 2010.

Biographical Note

George Samuel Bailey joined the faculty of the Oregon State University Department of Food Science and Technology in 1979 to research the role of dietary phytochemicals in inhibiting cancer growth using both trout and human models. Bailey continued studies begun at Oregon State in the 1960s on the carcinogen aflatoxin and rainbow trout; his major contribution was the discovery that chlorophyllin acts to inhibit aflatoxin uptake in the body. Bailey served as director of the OSU Marine and Freshwater Biomedical Sciences Center from 1985 to 2002 and served on the faculty advisory committee that assisted with establishment of the Linus Pauling Institute at OSU in 1996. Bailey was recognized for his research and service with his appointment as Distinguished Professor of Environmental and Molecular Toxicology in 1998. He retired in 2008.

Bailey earned a BS in chemistry at the University of Southern California (1965) and Ph.D. in biochemistry from the University of California at Berkeley (1969). During his research career, he published more than 150 papers in peer-reviewed scientific journals and mentored many graduate students at Oregon State University.

Content Description

The George S. Bailey Papers document research conducted by Bailey and several research faculty, graduate students, and postdoctoral researchers working under his direction on dietary cancer prevention agents. The research focused on the mechanisms whereby chlorophylls (specifically chlorophyllin) and indoles inhibit the carcinogens Aflatoxin B1 and Dibenz(a,h)pyrene (DBP) in trout. Research with zebrafish is also reflected in the records.

The Papers include research and laboratory notebooks, correspondence, drafts of articles, manuals, photographs, reference materials, research data, and theses. The research and laboratory notebooks include research data, laboratory procedures (such as PCR), and reference materials. The research data include sequenced gels containing DNA information. The photographs consist of color slides of trout specimens, chlorophyll, charts and graphs of research data, and researchers at work in the laboratory.

Graduate students and researchers whose work comprise a substantial component of the papers include Vibeke Breinholt, R.H. Dashwood, Patricia M. Loveland, Patricia O'Neal-Tragen, Ashok P. Reddy, and Lijing You. Aflatoxin research conducted prior to Bailey's arrival at OSU in 1979 is available in the research notebooks of Patricia Loveland, Norman E. Pawlowski, and David Jones.

Preferred Citation

George S. Bailey Papers, Oregon State University Archives, Corvallis, Oregon.

Acquisition Information

The papers were donated to the Archives by Bailey in 2009.

Processing Note

This collection is not fully processed; this guide is preliminary.

Additional Reference Guides

[Preliminary container list](#) available online. The list provides, for each box, the researcher who generated the materials as well as the types of materials, research topic, and original titles on notebooks or folders.

Related Material

The Archives holdings include the [Environmental Health Sciences Center Records \(RG 155\)](#) as well as the Biochemistry and Biophysics Department Records (RG 178). The [John L. Fryer Papers](#) document Fryer's microbiology research on the diseases of fish.

Subjects

This collection is indexed under the following headings in the OSU Libraries Catalog. Researchers desiring materials about related topics, persons, or places should search the catalog (<http://oasis.oregonstate.edu>) using these headings.

Organizations

Oregon State University--Research.

Topics

Aflatoxins.

Biochemistry--Research.

Rainbow trout--Diseases--Prevention.

Rainbow trout--Metabolism.

Rainbow trout--Molecular genetics.

Toxicology--Research.

Forms of Materials in the Collection

Slides.

Other Creators

Breinholt, Vibeke.

Dashwood, R. H.

Loveland, Patricia M.

O'Neal-Tragen, Patricia.

Reddy, Ashok P.

You, Lijing.