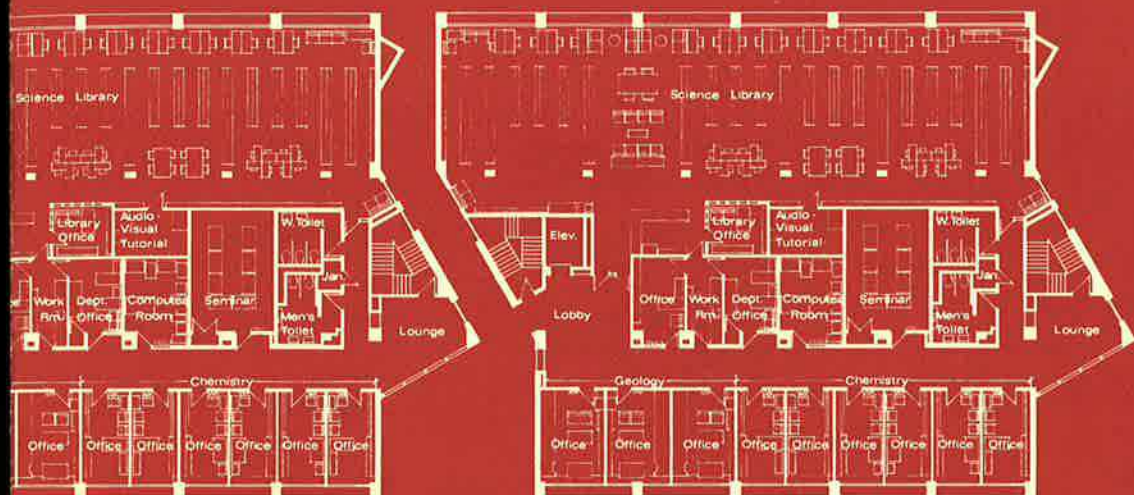


# Seeley G. Mudd Hall of Science



**Dedication Ceremony October 4, 1975**  
**Carleton College**

## Dedication Program

<b>Presiding</b>	Howard R. Swearer President, Carleton College
<b>Welcome</b>	David Lilly Chairman of the Board of Trustees
<b>Presentation</b>	Dr. Carl M. Franklin Seeley G. Mudd Fund
<b>Acceptance</b>	Howard R. Swearer President, Carleton College
<b>Cornerstone Ceremony</b>	Laura Weiss '76, chemistry major James Evans '76, geology major
<b>Dedication Address</b>	Laurence McKinley Gould President Emeritus, Carleton College

*The Seeley G. Mudd Hall  
of Science will be open for  
inspection following the  
ceremony.*

## Seeley G. Mudd Hall of Science

The Seeley G. Mudd Hall of Science for chemistry and geology addresses the continued development of a science education enhanced by close communication between students and faculty and cooperation between departments. It combines an efficient and flexible use of science facilities compatible with the needs of students working toward science careers as well as the needs of non-science majors.

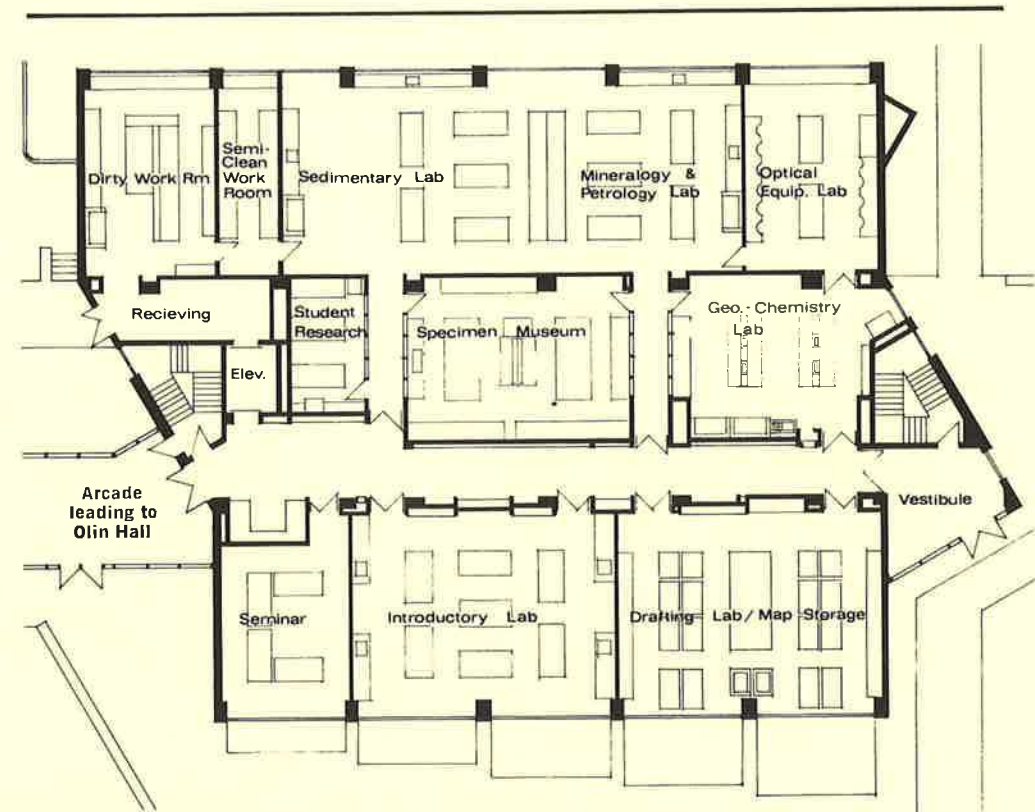
The science hall functions as an integrated whole with Olin Hall for biology and physics, bringing the four sciences into close proximity. A transparent walkway links the buildings on two levels, providing shared access to a multi-disciplinary science library, seminar rooms, audio-visual center and computer facilities in Seeley G. Mudd, and the auditorium, lecture hall and classrooms in Olin. Shared use of these facilities encourages communication between students and faculty and interaction between the science departments.

Space in Seeley G. Mudd is arranged to suit the specific needs of the geology and chemistry departments and to allow future growth and change in curriculum, teaching methods and faculty development. Faculty will conduct research in labs shared by students, rather than in private space, promoting direct collaboration with students and maximum use of facilities. While labs are directed toward specific curriculum areas and/or introductory or advanced study, they are also designed to supply space for students to develop individual projects.

Serious efforts have been made throughout this building to conserve energy. Its physical shape reduces energy requirements; heat recovery equipment has been introduced; and windows make maximum use of the sun to conserve heat.

## Ground Floor / Geology

On the ground level, the sedimentary, mineralogy-petrology, and introductory laboratories are designed to meet the needs of the geology curriculum. Each lab contains storage for its own projects and can function as a complete unit. A receiving area and "dirty" workroom allow for return from field trips, rock grinding and specimen sifting. The centrally located museum serves as a working research lab for advanced students and faculty, and special cases display mineral collections in the corridors. Separate areas for the optical lab, drawing room and map storage, student research and seminar room exemplify an efficient use of work and study space.

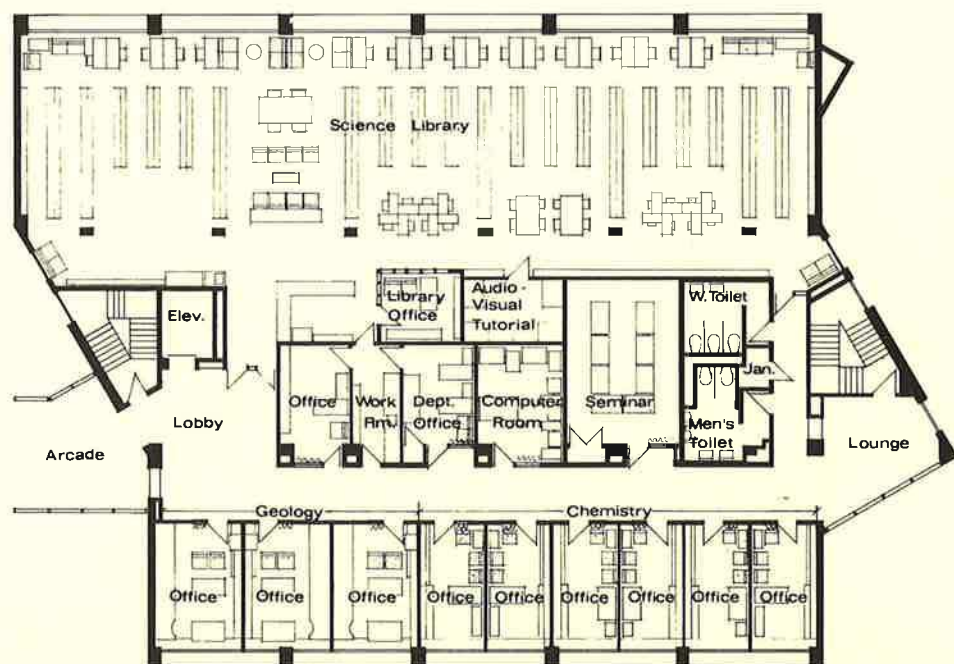


## First Floor / Shared

A science research library, extending the entire length of the building's east side, is the main focus of the first floor. The library houses the major portion of science journals and technical books for the four natural sciences, thus centrally locating some 8700 volumes previously scattered throughout the campus in science departmental libraries, laboratories and the main Carleton library. The science library will seat 50 persons at tables and study carrels.

Offices for geology and chemistry faculty overlook the campus on the west. Their location near the central entrance to Seeley G. Mudd from Olin and opposite the library enhances opportunities for communication between students, faculty and departments.

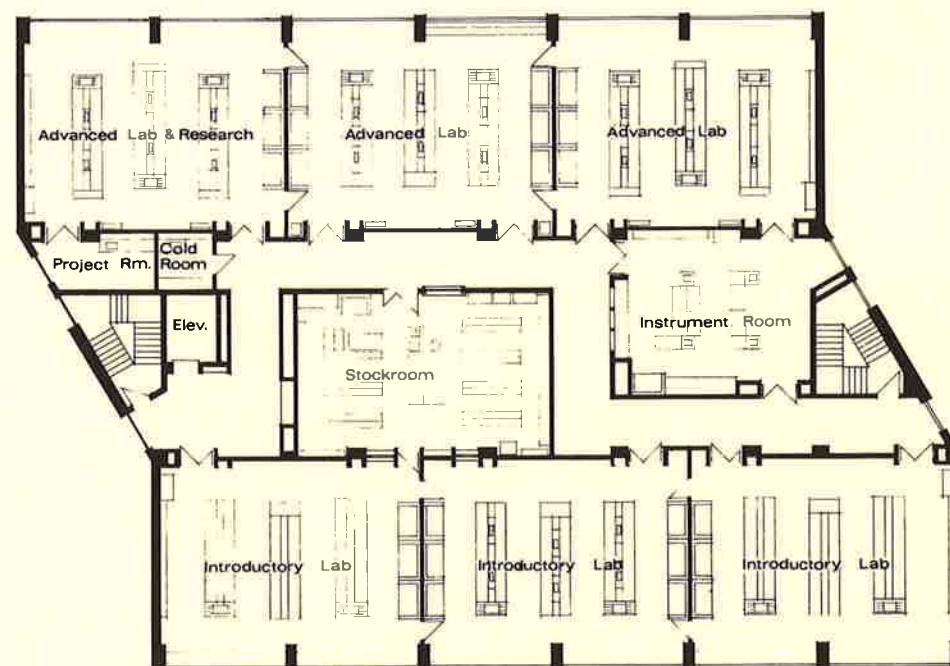
The computer room on this floor makes remote terminal computer facilities available to the four science departments, while the audio-visual/tutorial room allows departments to cooperate in the development of individualized teaching materials.



## Second Floor / Chemistry

Chemistry laboratories occupy the top floor. Three advanced labs for upper level classes are designed for great flexibility in their use of space, with all work tables movable. Faculty researchers work side by side with students in the advanced labs, rather than in traditional isolated and private areas.

The introductory and intermediate labs are planned to accommodate a variety of teaching methods and to fit future curriculum developments. An instrument laboratory on this floor provides enlarged space for regular use of apparatus, semi-permanent set-up of advanced instruments, and a secure, protected area for sophisticated equipment. The central stockroom is easily accessible from all labs.



## In Appreciation

The Seeley G. Mudd Hall of Science symbolizes Carleton's tradition of excellence in science education, an excellence exemplified in the scholarship of students and faculty who participate in a liberal arts education stressing quality rather than specialization.

The science hall, moreover, symbolizes the generosity of the Seeley G. Mudd Fund and its concern for science education in a small private institution such as Carleton. While plans for this building have been on the drawing board for a decade, it was not until the Seeley G. Mudd Fund of Los Angeles offered a grant of \$1,035,000 that the science hall could become a reality. This initial gift was especially timely, because it came at an early moment in a major fund-raising campaign, in which Carleton's effort to improve educational facilities for chemistry and geology was among the highest priorities. The gift also came at a time when enrollment in science courses and the number of geology and chemistry majors was rising, a trend which continues today: more students now elect the chemistry major in preparation for medical school; enrollment in geology courses has doubled over the last five years; and Carleton students entering the medical profession, science teaching and research maintain an outstanding record.

Increased interest in science and inadequate quarters in Leighton Hall necessitated a new science facility. The generosity of the Seeley G. Mudd Fund has made it possible, a generosity that will be appreciated by Carleton students and faculty for years to come.

## Seeley G. Mudd (1895-1968)

Widely known as a medical educator, Seeley G. Mudd demonstrated outstanding generosity toward higher education throughout his lifetime. Before his death in 1968 he gave over 10 million dollars to institutions of higher learning. In his will he established the Seeley G. Mudd Fund, with assets of 40 million dollars. The Fund is to be used for grants to "leading" private colleges and universities for construction of buildings bearing his name. Grants have already been made to such schools as the Harvard Medical School, Princeton, MIT, Duke University, Oberlin College and Washington University in St. Louis.



Dr. Mudd graduated *cum laude* from the Harvard School of Medicine in 1924. He first worked as house officer and resident physician in cardiology at Massachusetts General Hospital and then became research scientist in cancer and radiation at the California Institute of Technology in Pasadena.

He served as Dean of the University of Southern California School of Medicine from 1941 to 1943 and was a member of the University's Board of Trustees for 42 years, and vice-president of the Board for 32 of those years. Dr. Mudd also served as a trustee of the Carnegie Institution of Washington, D.C., Stanford University, the California Institute of Technology, and Pomona College, and was president and director of the Good Hope Medical Clinic of Los Angeles.

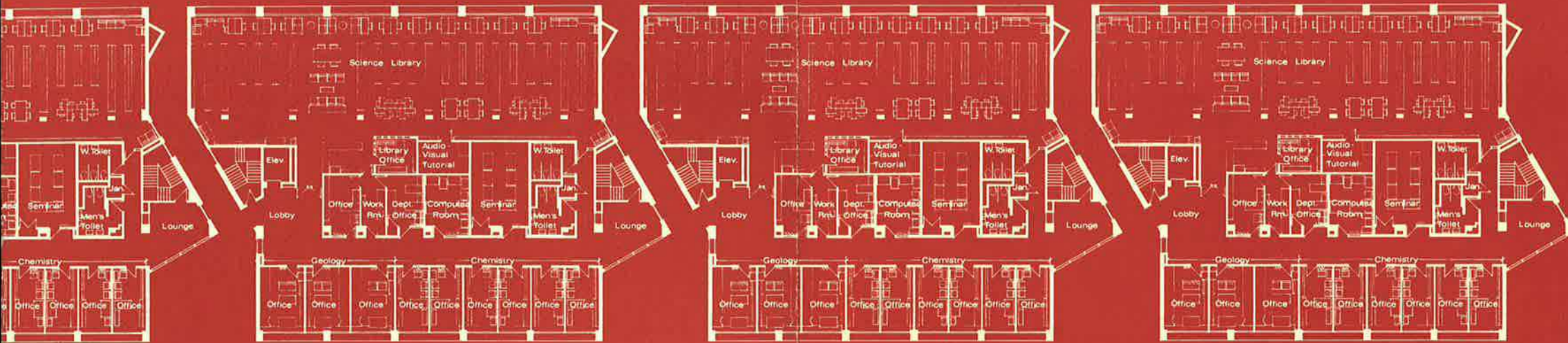
The Seeley G. Mudd Hall of Science reflects precisely the kind of educational opportunity Dr. Mudd wished to create. It allows Carleton to continue its tradition of quality in the teaching of science, and provides students with exceptional facilities and opportunities as they shape their futures.

## **Toward the 21st Century**

A sealed copper box is nestled behind the cornerstone of the Seeley G. Mudd Hall of Science. Faculty and students from the geology and chemistry departments have deposited within it selected items for investigation by colleagues and students in the year 2025, when the box will be removed and opened. Then, 21st century teachers, scientists and students may examine these items, which include the histories and philosophies of today's Carleton chemists and geologists, their predictions for the future, and scientific mementos of the 20th century.

This magnificent new facility holds great promise for students and teachers in their pursuit of enlightenment.

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