The Alfred Dodge Cole Memorial Library

in the

Mendenhall Laboratory of Physics

Ohio State University

The Ohio State University
Columbus, Ohio
The Alfred Dodge Cole Memorial Library
of Physics

The Purpose

TO create a perpetual memorial to unselfish and effective service and to encourage and develop further the important work to which Professor Alfred Dodge Cole devoted his life, it is proposed to establish a memorial library in the Mendenhall Laboratory of Physics at the Ohio State University.
Alfred Dodge Cole

Professor Alfred Dodge Cole, in whose memory the departmental library of Men- denhall Laboratory of Physics is being established, was a distinguished graduate of Brown University, of the Class of 1884. After a year of graduate study at Johns Hopkins under the great Rowland, he joined the faculty of Denison University, serving for sixteen years as a professor and later for many years as a trustee, a position he held at the time of his death.

In 1901 Professor Cole came to the Ohio State University as professor of physics, serving continuously until his death, except for one year at Vassar College in 1907-1908. In 1908 he came back from Vassar to the chairmanship of the department, a position he held until within a few months of his death. His teaching and scientific life covered forty-two years.

Just as in his undergraduate days when honors came to him deservedly, so in later years they continued to come. He was elected at various times to high official position in the Ohio Academy of Science, the American Physical Society, and the American Association for the Advancement of Science. Professor Cole was the author of numerous scientific papers, especially in the fields of electrical oscillations, infra-red radiation, and thermionic relays. He was one of the early workers as a student of Rubens at Berlin to show the anomalous dispersion of ethyl alcohol to the then newly discovered Hertzian waves.

With Professor Cole material interests were always secondary to things of the mind and heart. Always easy of approach, he was universally found to be a loyal friend and delightful companion. That university is fortunate indeed which keeps men like Professor Cole in positions of influence and leadership over the lives of its students.
Importance of Physics

When Professor Cole returned to Ohio State in 1908, the physics department had a teaching staff of nine men. Today this number has almost tripled, and the number of students taking work in the department has increased more than four-fold.

The growth of the science of physics during the past twenty-five years has been nothing short of phenomenal, and the part played by the physical sciences in the civilization of the present age has been equally marvelous. Less than twenty years ago men of vision in the industrial world had to defend their efforts to establish research laboratories within their own organizations. Today industrial executives recognize how ephemeral their manufactured product would be were it not for the daily improvements and new discoveries coming from their own scientific laboratories and from those of the universities. The Mendenhall Laboratory of Physics is playing an important part in furnishing well-trained scientists and engineers to the nation’s great industries.

But the part played by the Mendenhall Laboratory of Physics in this vital work is perhaps best shown by the rapid growth of its work, especially of its graduate work.
Since 1926 the department of physics has been preparing undergraduates in the college of engineering to go into the development and research divisions of the industries. More important still, over a much longer period, it has been sending graduate students forth with master's and doctor's degrees to positions of leadership in the industries as well as in the universities. During the past three years this rapid development of the higher reaches of the work of Mendenhall Laboratory is indicated by the accompanying chart.

In this development of the work of Mendenhall Laboratory, Professor Cole played a significant part. Graduate study at its best can be fostered only when such a laboratory has as the center of its intellectual interest a large and well-organized library. Professor Cole's own private collection of valuable books has been given to the Ohio State University as a nucleus of such a library; and it is fitting that such a library, named in honor of Professor Cole, be established in the Mendenhall Laboratory of Physics.

The Future of Physics

The undersigned national committee is accordingly undertaking to raise a fund of $50,000 to endow the Alfred Dodge Cole Memorial Library in the Mendenhall Laboratory of Physics. The State of Ohio guarantees 6 per cent interest on all such funds given to the State. Within a few years this library would be among the best in America, thus enabling the Mendenhall Laboratory of Physics to fulfill to a much higher degree its avowed mission of supplying its quota of well-trained men and women to a scientific age.

Physics is the oldest experimental science and the one in which the truly scientific method is developed to the highest degree. Amazing as was its development during the period covered by the scientific life of Professor Cole, more recent advances—such as the new wave mechanics, with its astounding insight into the ultimate nature of matter and energy—are an earnest of still greater progress to be made during the next half century. In that development the Alfred Dodge Cole Memorial Library can mean much to Ohio and the nation.
THE MEMORIAL COMMITTEE

THE personnel of the committee attests the esteem in which Professor Cole was held and of the value of a library such as it is proposed to establish. The committee follows:


F. C. BLAKE, Professor of Physics, Ohio State University, Columbus, O.

H. B. BROOKS, Physicist, Bureau of Standards, Washington, D. C.

H. C. BUMPUS, Consulting Director, Buffalo Museum of Science and President Mount Desert Island Biological Laboratory.

GEORGE H. CALKINS, Manager, General Electric Co., Buffalo, N. Y.

EDWARD A. DEEDS, 52 Wall St., New York, N. Y.

A. C. FIELDNER, Chief Engineer, Division of Experiment Stations, United States Bureau of Mines, Washington, D. C.

W. E. FORSYTHE, Director Nela Research Laboratory, Cleveland, O.

FRANK P. GRAVES, President of the University of the State of New York, Albany, N. Y.

E. A. HITCHCOCK, Dean of the College of Engineering, Ohio State University, Columbus, O.

W. H. JOHNSON, Editor, Columbus Dispatch, Columbus, O.

F. E. KESTER, Professor of Physics, University of Kansas, Lawrence, Kans.

CHARLES F. KETTERING, Vice President and Director of Research, General Motors Corporation, Detroit, Mich.

PAUL M. LINCOLN, Director, The School of Electrical Engineering, Cornell University, Ithaca, N. Y.

J. R. LOVEJOY, Vice President, General Electric Co., Schenectady, N. Y.

C. F. MARVIN, Chief U. S. Weather Bureau, Washington, D. C.

WM. MCPHERSON, Dean of the Graduate School, Ohio State University, Columbus, O.

D. C. MILLER, Professor of Physics, Case School of Applied Science, Cleveland, O.

ROBERT A. MILLIKAN, Director, Norman Bridge Laboratory of Physics, Pasadena, Calif.

D. H. MORRIS, Vice President, The Ohio Bell Telephone Co., Cleveland, Ohio.

EDWARD ORTON, Jr., Manufacturer, Columbus, Ohio.

MICHAEL I. PUPIN, Inventor, Professor of Electro-mechanics, Columbia University, New York City.

CHARLES F. SCOTT, Chairman of the Department of Electrical Engineering, Yale University, New Haven, Conn.

CHARLES SHEARD, Director, Laboratory of Biophysics, Mayo Clinic, Rochester, Minn.

W. H. SIEBERT, Research Professor in History, Ohio State University, Columbus, O.

CARL E. STEBB, Secretary, Board of Trustees, Ohio State University, Columbus, O.

JULIUS F. STONE, Chairman, Board of Trustees, Ohio State University, Columbus, O.

GEORGE B. THOMAS, Personnel Director, The Bell Laboratories, New York, N. Y.

W. O. THOMPSON, President Emeritus, Ohio State University, Columbus, O.
The Alfred Dodge Cole Memorial Library
IN
MENDENHALL LABORATORY OF PHYSICS

In consideration of the gifts of others and for the educational purposes described, I, (or we) hereby give, (pledge) ______________ dollars to The Alfred Dodge Cole Memorial Library, the same to be administered by the Ohio State University, and the income therefrom to be available annually for the sole purpose of purchasing books for that library, thereby fostering better teaching and research at Mendehall Laboratory of Physics.

Make checks or money orders payable to Carl E. Steeb, Treasurer, and mail to him at the Ohio State University.
New library hours cut studying time

By JACK GONZALEZ
Latern staff writer

Some students using resources at six campus libraries are finding it harder to complete assignments because of shorter library hours brought about by the university's cost containment program.

Students who work full-time and have night classes have little time to study, said Bryan Bruder, a senior marketing and finance major who uses the Business Library in Page Hall.

The six libraries with reduced hours are the Fine Arts Library, Music Library, Physics Library, Business Library, Education/Psychology Library and Engineering Library, said Jay Ladd, assistant director of department and undergraduate libraries.

Each library is cutting its hours differently.

Bruder said he tried to go through the channels to get the libraries to change their schedules.

"I talked to Jennings' office; I talked to the provost's office; I talked to Associate Dean Racster (of the College of Business)," Bruder said, "I was told talk to everyone and their brother."

Bruder will present a petition with almost 800 signatures of students concerned with the shortened library hours to USG Wednesday night, he said.

"People are eager to sign," Bruder said, "There are a lot of disgruntled people. They just didn't know where to direct their energies."

The petition asks for the reinstatement of the former library hours, Bruder said.

The Business Library alone has been cut back 22 hours a week.

The library cutbacks are part of the university's cost containment program, Ladd said.

"Those were the libraries that we were given special funding in 1985. They did not have these extended hours until we got the special funding, and so that's why we cut them back," Ladd said.

The shortened library hours will save the university approximately $50,000 annually, Ladd said.

Reduced hours at the Engineering Library have decreased the number of hours that the library is open by 20 hours a week, said Mary Jo Arnold, head of the Engineering Library.

Arnold said her library has received some complaints about the time changes. She said the shorter hours forces books to remain unshelved longer now, making the library less efficient.

Jim Negro, a junior from Youngstown, who uses both the Physics and Engineering Libraries, said shorter hours will be an inconvenience, especially on Sunday when he does most of his studying.

Jackie Bores, a senior from Strongsville, who also uses the Business Library, said shorter library hours means adjusting her schedule to fit the library's, she said.

"I do most of my studying on the weekend ... and shorter hours on the weekends means less studying," Bores said.

Brian Daher, circulation supervisor of the Education and Psychology Library, said most of his complaints come when the library closes for the night.

"We couldn't justify keeping the library open on the weekends because the number of library employees outnumbered the number of patrons," Daher said.
Petition successful,

By JACK GONZALEZ
Lantern staff writer

The six campus libraries that had their hours cut because of the university's Cost Containment Program will have partial restoration of their hours.

"We will put the hours into effect as quickly as we can," said William Struder, director of libraries.

The libraries will restore their hours as soon as they can find people to work the extended hours, Struder said.

Bryan Bruder, a senior majoring in marketing and finance, who collected over 1,200 signatures on a petition asking for the restoration of former library hours, was shocked after hearing that the libraries' hours would be extended.

"I didn't think the wheel could turn that fast, it is too big a wheel," Bruder said.

"I'm pleased to see that the administration is heeding the voices of the students," he said.

The new hours were decided upon by a meeting with the heads of the libraries involved and are based on their recommendations, Struder said.

They are the people who are closest to the situation and have had the most involvement with the situation with patrons and administrators in their areas, he said.

Extended hours will give students who work more opportunities to use the libraries, said Charles Popovich, head librarian of the Business Library.

Funding for the restored hours will come from the library administration, adding to its wage budget deficit spending, Struder said.

A large amount of the libraries' wages are funded through salary vacancy credits, Struder said. This is when a permanent staff position is open because of turnover.

There is always a period of time when the position is vacant and the salary that would have been paid is returned to the libraries' budget as cash, Struder said.

In the administration's judgment, this is the best way to handle the problem and still meet its cost containment goal, Struder said.

"We just couldn't afford to jump to full restoration at one time and I think in some respects that probably isn't necessary, but we'll see," Struder said.

The six libraries that will have their hours extended are: the Fine Arts Library, Music Library, Physics Library, Business Library, Education Library and Engineering Library.

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<thead>
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<th>Library</th>
<th>Mon-Thurs</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
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<td>Business</td>
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Library supervisors scramble

By NANCY SUTTON
Lantern staff writer

The reinstated hours at several libraries on campus have library supervisors scrambling to find student employees to work during finals week.

Terry Lloyd, a supervisor at the Business Library said, "We are operating with the new reinstated hours. They told us we could operate the new extended hours, if we had people to work them.

We just happened to have enough people to cover the new extended hours." Hours were cut earlier this quarter as part of the university's cost containment plan in six libraries; Fine Arts, Music, Business, Education, Engineering and Physics.

After receiving petitions with almost 1,200 signatures, new hours were reinstated by library officials Nov. 16.

Linda Thompson, a student employee at the Engineering Library said, "At first it was a problem. We did find people to work the extended shifts; however, weekends are a problem sometimes, especially Saturdays.

"We had a little difficulty with finals and the end of the quarter, but we are making it. I am glad the hours were returned," said Duke Morgan, the evening supervisor at the Engineering Library.

Paul Bailey, evening supervisor at the Business Library, said, "We are following to cover extra hours

the new hours. We had enough people, but we had to ask a lot of students to adjust their schedules. A lot of them didn't really want to. We also had to increase the supervisors shifts on weekends."

Lisa Harsh, a student employee at the Physics Library said, "I am glad the hours were extended. It gave me a few more hours I needed to work. There was not a problem getting people to work here and quite a bit of students are using the extended hour time span."

Kelley Steinbugl, a student employee in the Music Library said they did have some difficulty trying to get students to work the extended shift on weekends. Approximately five students work during the extended hours.

"They asked me to work those extra shifts, but it was a conflict for me," Steinbugl said.
PHYSICS LIBRARY

Location: 1011 Alpheus W. Smith Laboratory
          174 West 18th Avenue
          Telephone: 292-7894

Hours
1991/92
  79 hours per week
  Mon - Thurs  8 a.m. - 10 p.m.
  Friday      8 a.m. -  5 p.m.
  Saturday    12 noon -  6 p.m.
  Sunday      2 p.m. - 10 p.m.

Primary Patrons: Undergraduates, graduates, and faculty of the Physics and Astronomy Departments. FTE: Upper Division 270, Graduates 107, Faculty 48.

Collection:
July 1, 1991
  55,923 cataloged volumes
  330 serial titles
  2.4% increase in 1990/91
  2.5% increase in 1989/90

Materials Budget:
1990/91
  $ 29,156 book expenditures
  186,108 serials
  $215,264

Circulation:
  91,175 1990/91
  113,572 1989/90

Total LCS
Terminal Usage:
  326,193 1990/91
  328,622 1989/90

Number LCS Terminals: Four (Three Public)

Size:
  9,702 square feet
  182 seats

Staff:
1990/91
  1.00 professional head
  2.00 library assistants
  1.29 library assigned students
  1.45 work study students

Personnel Budget:
1990/91
  $108,397
PHYSICS LIBRARY

Location: 1011 Alpheus W. Smith Laboratory
          174 West 18th Avenue
          Telephone 292-7894

Hours 95 hours per week
   1989/90
      Mon. - Thurs.  8 a.m. - 12 midnight
      Friday        8 a.m. - 8 p.m.
      Saturday      10 a.m. - 6 p.m.
      Sunday        12 noon - 11 p.m.

Primary Patrons: Undergraduates, graduates, and faculty of the
                 Physics and Astronomy Departments. FTE: Upper
                 Division 232, Graduates 100, Faculty 45.

Collection: 53,280 cataloged volumes
            323 serial titles
            3.1% increase in 1988/89
            2.4% increase in 1987/88

July 1, 1989

Materials Budget: $27,520 book expenditures
                  $168,072 serials
                  $195,592

1988/89

Circulation: 98,083 1988/89
              90,923 1987/88

Total LCS Terminal Usage:
   331,421 1988/89
   332,421 1987/88

Number LCS Terminals: Four (Three Public)

Size: 9,702 square feet
      182 seats

Staff:

   1988/89
   1.00 professional head
   2.00 library assistants
   1.34 library assigned students
   1.15 work study students

Personnel Budget: $98,319

1988/89