

# The Flyleaf

Friends of Fondren Library

Vol. 30

No. 2

Summer 1980

## PATENTS

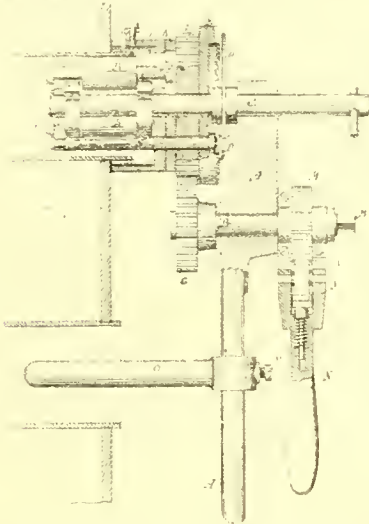
RICE UNIVERS

GRANTED DEC. 18, 1888

10 1981

LIBRARY

1359-1,754-1. MACHINE FOR EXPANDING AND TRIMMING TUBES  
 JACOB ANDERSEN Long Island City N. Y. Filed June 8, 1888. Serial  
 No. 275,484. No model.



*Claim*—1. In a machine for expanding and trimming boiler tubes the shaft C having the cams C<sup>1</sup> and handle H, in combination with the rollers R, disks F and I and handle A, as and for the purposes herein shown and described.

2. In a machine for expanding and trimming boiler tubes the cup shaped disk I, having the cutters L, in combination with the bolts S, gears R, and gear H, substantially as and for the purposes herein shown and set forth.

3. In a machine for expanding boiler-tubes, the shaft C with the rollers R, the disk F, and cam C<sup>1</sup> in combination with the rollers R, gears G, and shaft B, handle A, and arm D, substantially as herein shown and described.

1359-1,754-2. TOP-PROP. LES ANDERSON Paris Tex. assignor of two-thirds to E. B. Norman and J. L. Terrill. Filed Sept. 28, 1888. Serial No. 290,037. No model.



1. In a top prop, the combination with the stud A of a block secured thereon, and an arm E, pivoted in the block and extending from the block.

2. In a top prop, the combination with the plate D provided with a hub C, and lug G, of plate C, provided with opening B, and an arm E, mounted upon the hub.

3. In a top prop, the combination of a block, a supporting arm

mounted thereon, and a strap passing about the arm, the strap being secured to the block.

4. In combination with plate C, provided with a recessed hub F and lug G, plate C, provided with an opening B, and with an arm E, provided with a seat C, and with a circular opening to fit upon the hub, and a bolt or screw, all arranged substantially as shown.

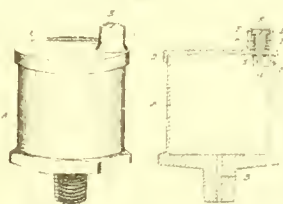
1359-1,755 (1). FRUIT PICKER. FRANK ANSLEY and GEORGE W. ANSLEY Medical Lake Wash. Filed May 7, 1888. Serial No. 273,067. No model.



*Claim*—The combination with the pole the ferrule, the movable head C, and the fingers loosely connected with the said head of the cap, closing the end of the ferrule and having openings to permit the passage of the fingers, and having notches on its inner side substantially as described, and for the purpose specified.

2. The combination of the pole the ferrule, the movable head having an annular collar, the fingers having a hinged connection with the head by having their ends passed through openings in the said collar and bent about its edge and the cap having radial notches on its inner side, and having radial openings in its end and vertical slots in its rim, substantially as set forth.

1359-1,755 (2). OIL-CUP. LUTHER B. BAILEY, London Ontario, Canada. Filed Aug. 27, 1887. Serial No. 248,082. No model. Patented in Canada June 7, 1887. No. 26,895.



*Claim*—The body A, having a passage, B, in combination with cover C, formed with flange D, and having case G, stud-pin E, formed with shoulders E<sup>1</sup> E<sup>2</sup>, and spring F, substantially as described and for the purpose specified.

1359-1,755-2. PNEUMATIC CASE-CARRIER APPARATUS. MARTIN BARKI, Cambridge, Mass., assignor by mesne assignments to the Meador Despatch Company, Portland, Me. Filed Oct. 6, 1887. Serial No. 251,831. No model.

*Claim*—1. The combination with a pneumatic tube for transmission therethrough of a carrier or other article, provided with an opening in the side of said tube for the insertion and removal of the carrier or other article, of a spring in said tube opposite to said opening, substantially as and for the purpose specified.

2. The combination, with a pneumatic tube for transmission therethrough of a carrier or other article, provided with an opening in the side of said tube for the insertion and removal of the carrier or other article, and a door or covering to said opening, adapted to slide up and down over said opening, of a valve adapted to open and close said tube to the air from the operating bellows or other air source.

U. S. G. P. O.



RICE UNIVERSITY  
FONDREN LIBRARY

Founded under the charter of the university dated May 18, 1891, the library was established in 1913. Its present facility was dedicated November 4, 1949, and rededicated in 1969 after a substantial addition, both made possible by gifts of Ella F. Fondren, her children, and the Fondren Foundation and Trust as a tribute to Walter William Fondren. The library recorded its half-millionth volume in 1965; its one millionth volume was celebrated April 22, 1979.

THE FRIENDS OF  
FONDREN LIBRARY

The Friends of Fondren Library was founded in 1950 as an association of library supporters interested in increasing and making better known the resources of the Fondren Library at Rice University. The Friends, through members' dues and sponsorship of a memorial and honor gift program, secure gifts and bequests and provide funds for the purchase of rare books, manuscripts, and other material which could not otherwise be acquired by the library.

THE FLY LEAF

Founded October 1950 and published quarterly by The Friends of Fondren Library, Rice University, Houston, Texas 77001, as a record of Fondren Library and Friends activities, and of the generosity of the library's supporters.

Lauren Brown, Acting Editor; Joe Roquemore, Associate Editor. Editorial Committee: Dr. David Minter, Chairman; Mrs. Mary Woodson Dennis; Mrs. Diana Hobby; Mrs. Sally McQueen Smith. Photographs by James Aronovsky and Jenny Taylor.

FRIENDS OF FONDREN LIBRARY

*Board of Directors, 1980-81*

Mr. Walter S. Baker, Jr., President  
Mrs. Vernon Knight, Vice-President, Membership  
Mr. Thomas D. Smith, Vice-President, Programs  
Mrs. Sally M. Smith, Secretary  
Mr. John T. Cabaniss, Treasurer  
Dr. Samuel M. Carrington, Jr., University Librarian (ex-officio)  
Dr. William E. Gordon, Vice-President and Provost (ex-officio)  
Dr. Walter W. Isle, Chairman, University Committee on the Library (ex-officio)

*Members at Large*

Mrs. Victor H. Abadie, Jr.	Mr. Frank G. Jones
Mr. Berry D. Bowen	Dr. Allen J. Matusow
Mrs. Mary W. Dennis	Dr. Larry V. McIntire
Mrs. David J. Devine	Dr. David L. Minter
Dr. Wilfred S. Dowden	Mrs. Robert E. Moore
Mr. John F. Heard	Mrs. Richard O. Wilson
Mrs. William P. Hobby, Jr.	

*COVER: Part of the December 18, 1888 issue of the Official Gazette of the United States Patent Office. This page reflects the wide diversity of inventions recorded by the U.S. Patent and Trademark Office.*

A L E T T E R T O T H E F R I E N D S

Dear Friends,

If we look back on our past year's service to the library we can, with a large measure of satisfaction, count many achievements in our efforts to support the Fondren. Thanks to the hard work, imagination, and generosity of our members we have increased our endowment fund, enhanced the library's resources through our members' dues and our memorial and honor gift program, and increased both university and community awareness of the many services provided by the Fondren through our sponsorship of a splendid variety of programs and special events.

Today, in a time of straitened budgets and increased operating costs, our work for the library is more important than ever before. And as our Annual Report for last year indicates (*Flyleaf*, 30:2, p. ), we have grown to a point of transition—to a stage in our efforts on behalf of the library at which we must define clearly both our immediate goals and the direction our association will follow in the future. From a wide array of tasks we must decide which ones are appropriate or possible for the Friends of Fondren to undertake.

To define and assess the possibilities open to us we will work with other friends organizations and study their specific accomplishments and failures—their diverse activities, which are valuable sources of information and new ideas. In the months ahead, we will also try to diversify our own membership and work to foster a climate of cooperation and mutual activity between the Friends and other support groups on campus.

The coming months, then, offer us an exciting opportunity to rededicate ourselves to our long tradition of service to the Library and to make the Friends an even stronger, more effective organization. I look forward to working with you to make this year a memorable one for all of us and for the Fondren Library.

Yours sincerely,

Walter S. Baker, Jr.  
President

C O N T E N T S

2  
Report to the Members of  
the Friends of Fondren Library, 1979-1980  
*Sally McQueen Smith*

6  
The Tasks at Hand: A New Board  
with a Program for the Year  
*Joe Roquemore*

8  
The Property of Creative Minds:  
A Look at Patents, Trademarks, &  
Copyrights  
*Barbara Kile*

12  
Gifts to the Fondren Library

# REPORT TO THE MEMBERS OF THE FRIENDS OF FONDREN LIBRARY, 1979-1980

Sally McQueen Smith

*Sally McQueen Smith is the new Secretary for the Friends' Board of Directors.*

The following report summarizes the Friends' services to the Fondren Library at Rice University for the 1979-80 year. The Friends were established thirty years ago for the purpose of enhancing and making better known the resources of the library. Our efforts have focused on sponsoring activities in the library, providing direct financial support through our dues account and the gifts and memorials fund, participating in university-sponsored fund-raising efforts on behalf of the library, and publishing *The Flyleaf* to provide a record of Friends' and library activities.

We believe that the past year has been a good one for the Friends and for the Fondren Library—the Friends have added to their membership, expanded their services to the Fondren, and increased their financial support of the library. Such progress would not have been possible, however, without the generous efforts of Dr. Samuel M. Carrington, the Fondren Library staff, and members of the faculty and university administration—their interest and support have been invaluable.

## *Programs and Activities*

The Friends' programs in the past year highlighted a variety of disciplines served by the Fondren. Our Christmas program featured a performance by the Shepherd Singers, led by Shepherd School Dean Allan Ross. In a February lecture, Dr. John Freeman of the university's space physics department addressed one of our nation's most serious problems—how to meet America's energy needs. He outlined for the Friends the joint research projects on solar power being conducted by Rice with N.A.S.A.

The Friends held other traditional programs during the year. Early in the fall, the board hosted an afternoon reception for the Fondren staff. A homecoming reception in the Woodson Research Center brought together friends and other homecoming alumni for a Saturday morning brunch and a look at the Rice memorabilia kept in the Fondren's archives. The Friends also assisted the Fondren staff in sponsoring the library's thirtieth birthday party and held a year-end business meeting to introduce next year's board.

Perhaps the most exciting of our programs last year was our spring benefit. Several committees of volunteers organized and promoted "Fondren Saturday Night," an open house held on April 12 in the library to honor Rice writers. Over three hundred people attended the party, which raised \$3,700 for the Friends' endowment fund. The fund was established in 1977 by Mr. and Mrs. H. Malcolm Lovett, whose generous support of the Fondren is well known to the Rice community. Highlights of the evening included a performance by a Shepherd School string quartet, a concert version of the Wiess Tabletop Theater's 1980 production of George Greanias' "Hello, Hamlet," and a drawing to award signed copies of the writers' works as door prizes. Writers attending the party and donating copies of their works for the drawing were novelists Max Apple, June Davis Arnold, William Goyen, and David Westheimer; essayist and writer of fiction John Graves; poet and literary critic Monroe K. Spears; and emeritus professor of English George G. Williams. Writers unable to attend the party—playwright George Greanias, poet John Irwin, novelist Larry McMurtry, and novelist and playwright J.P. Miller—donated copies of their works for the drawing. Novelist Jerome Charyn also donated a copy of his most recent work for auction.

In the coming year we hope to continue to draw diverse audiences to Friends' programs, our chief means of making known the Fondren's resources and services. We plan also to co-sponsor a number of programs with other university affiliate organizations of varied interests. We believe that such programs will acquaint other committed alumni and friends of Rice with our work to support the library. Finally, the Friends hope to sponsor a volunteer program to administer in the library regular book sales, which will replace our periodic past sales.

## *Membership*

We added eighty-nine new names this year to the Friends' membership roster, which currently totals five hundred and nineteen members. The membership drive—which solicited donations in six giving categories, from \$10 Rice student memberships to \$500 benefactor memberships—totaled \$21,945 as of June 30. This figure represents an increase of \$8,483 over last year's \$13,462 in membership donations. Much of our

success in encouraging membership renewals and in expanding our roster stems from our new policy of issuing library cards to members who do not already have them. The Fondren's new computerized circulation made the change practical, and the Friends have responded well to their opportunity to use the library: circulation records show that the Friends are making good use of the library's resources. One additional change also deserves notice: for the first time, the Friends have published their membership list in *The Flyleaf* to acknowledge publicly their members' generosity. We also hope that by introducing our members to one another through publication of the list we will let them know which of their friends we have not invited to join us in our work to support the Fondren Library. Experience has shown us that the most successful membership drives begin with lists of people who especially appreciate a good library. With the help and suggestions of Friends' members we will con-

tinue to increase our membership. Finally, we will be changing to a revolving membership program so that all memberships will be good for a full year from the date of joining. This last change will afford us greater flexibility in soliciting new members throughout the year instead of just in the fall.

#### *Gifts from the Membership Fund*

This year the Friends donated substantially from their membership fund to help individual Friends purchase the Julian Sorell Huxley Papers for the Fondren. Sir Julian Huxley (1887-1975), whose *Evolution: The Modern Synthesis* is the seminal work for neo-Darwinian evolutionary research, was a member of President Edgar Odell Lovett's original faculty at Rice's opening in 1912. A brilliant theoretical and practical thinker in diverse fields—embryonic development, cancer research, ecology, and the philosophical



*Part of the membership assembled at the Friends' Annual Meeting (June 8, 1980).*

implications of science, for example—Huxley planned and organized Rice's first biology department. Huxley left Houston for England in 1916 to fight in World War I, but he maintained his ties to Rice throughout his career. Individual donations from Mr. and Mrs. John F. Heard and Mr. and Mrs. C.M. Hudspeth—as well as gifts from Mrs. Hardin Craig, Jr. and Mr. Harris Masterson, III—were combined with a two-year, \$10,000 gift from the Friends to purchase this truly outstanding collection.

#### *Gifts and Memorials Fund*

The Friends' gifts and memorials fund received \$68,849 this year, compared to \$53,800 in 1978-79. Expenditures from the fund are summarized below in the financial section, but two commitments from the fund are particularly noteworthy: this year the fund issued challenge grants to the Jones School of Admin-

istration and the Shepherd School of Music for \$5,000 and \$10,000, respectively. These amounts were committed to building the business and music collections in the Fondren on the condition that the business and music schools raise equal sums of money for the same purpose.

#### *The Flyleaf*

Final alterations in the new format of *The Flyleaf*, the Friends' quarterly journal, were completed this year, and we are pleased to note that *The Flyleaf* won two awards from the Council for the Advancement and Support of Education. They include an achievement award from CASE's regional competition and an "Exceptional Achievement" award in the national competition. Soon after the fall semester begins both awards will be displayed in the exhibit case of the Fondren's first floor foyer.

## FINANCIAL SUMMARY

### MEMBERSHIP ACCOUNT

Receipt of membership dues		\$ 21,945
Less expenditures:		
Staff and student salaries	\$ 8,487	
Publications	2,611	
Gifts	5,065	
Programs	6,400	
Membership drive	1,510	
Library circulation cards	2,500	
Office supplies	<u>1,091</u>	<u>27,664</u>
Expenditures over receipts		5,719
Account balance, July 1, 1979		<u>9,360</u>
Account balance, July 1, 1980		<u><u>\$ 3,641</u></u>

### GIFTS AND MEMORIALS

Receipt of gifts		\$ 68,849
Less expenditures and commitments:		
Book purchases authorized by Librarian	\$73,139	
Woodson Research Center	12,290	
Reference books fund	6,037	
Johnston endowment for English literature	<u>12,110</u>	<u>103,576</u>
Expenditures over receipts		34,727
Account balance, July 1, 1979		<u>87,514</u>
Account balance, July 1, 1980		<u><u>52,787*</u></u>

\*A \$10,000 challenge grant, issued for the purpose of building the Fondren's music collection, has been accepted by the Shepherd School of Music.

Respectfully submitted,

The Board of Directors

July 21, 1980

## THE TASKS AT HAND: A NEW BOARD WITH A PROGRAM FOR THE YEAR

Joe Roquemore

If an early start bodes well for new projects, the Friends' Board of Directors has opened the year well: during September the Board approved a full calendar of activities and plans for 1980-81. Led by Mrs. Vernon Knight, the membership committee has begun efforts to build on last year's dramatic increase in Friends' memberships. This fall the committee will adopt a year-long revolving program of monthly membership renewal and solicitation and will ask all of the Friends for names of people who might wish to join us in our support of the library.

Program plans for the year should promote Mrs. Knight's goal of increasing the scope and diversity of Friends' memberships. Under the direction of Thomas D. Smith, the program committee has planned a series of events that will emphasize the library's function as a center for a wide variety of stimulating activities that will foster lasting ties with other support groups on campus. On the morning of November 8, the Friends and the Rice Engineering Alumni will host a homecoming reception in the Woodson Research Center to honor Jennings A. Massingill (Electrical Engineering, Class of 1942), this year's recipient of Rice's Outstanding Engineering Alumnus Award. The Friends and the library staff, working with local representatives of the General Electric Corporation, have arranged an exhibit depicting the evolution and future of electricity as a major source of energy and chronicling Mr. Massingill's central role in the development of steam turbine generators. On November 23, the Friends will sponsor a lecture focusing not on the present state of technology but on its origins in the distant past. Walter M. Widrig, Associate Professor of Art History, will describe Rice's archaeological project in Italy, which has uncovered an unbroken history—spanning six centuries—of suburban life in ancient Rome. Supervised by Dr. Widrig and his colleague, Professor Philip Oliver-Smith, Rice students perform most of the actual excavation during the summer each year.

On Sunday afternoon, January 25, the Friends and the Shepherd Society will present a musicale featuring selections from Gilbert and Sullivan operas performed by students from the Shepherd School of Music. The Friends wish to co-sponsor a similar program with the Shepherd Society each year and hope that this mutual effort will become a traditional part of each group's annual calendar.

Finally, in late March or early April the Friends will again offer a spring benefit to raise money for the Friends' Endowment Fund and to generate public interest in the many resources and services provided by the library. The event will be similar in scope to last year's benefit, but will be organized around a different theme.

1980-1981, then, presents the Friends and the Board of Directors with a busy and demanding agenda. But in their efforts to support the Fondren and work with other university organizations, the Friends will benefit this year from the commitment, imagination, and varied experience of six new board members.

Mr. Berry D. Bowen (B.A., 1975; B.F.A., 1977), who will serve on the membership committee, is an associate in the Trial Law Section of Andrews Kurth Campbell & Jones. Mr. Bowen is new to the Friends, but his undergraduate career and recent graduate work here have provided him with valuable understanding of the library's many strengths as well as a strong commitment to meeting its future needs and goals. In addition to his work for the Friends, he is a co-chairman of the Houston Symphony Society Fund Raising Drive and a member of Volunteer Lawyers and Accountants for the Arts.

Mrs. Mary Woodson Dennis (B.A., 1961) brings to the Board a long family tradition of service to Rice and to the library as well as broad experience from her work in several community organizations. Her work as travel editor for *Houston Home and Garden* makes her a valuable addition to the *Flyleaf* editorial committee. A Rice University Associate, she is a Bayou Bend Docent and has served as an Annual Fund volunteer.

Mrs. David J. Devine (Carolyn, B.A., 1952) an active participant in university and Friends' affairs, will surely strengthen the program committee's efforts to increase community appreciation of the library. She supervised preparations for "Fondren Saturday Night," last spring's highly successful benefit honoring Rice writers. A member of the Owl Club since its inception and of the Society of Rice University Women, she is also a Junior League volunteer and does extensive work for various church and community organizations in Houston. Mrs. Devine has enduring ties to Rice through her family, which counts three generations of Rice alumni and a son who is currently a junior in Wiess College and a letterman on the Owl baseball team.



Mr. John F. Heard (B.A., 1940), a partner with Baker & Botts, is a long-time Friends member and a generous Fondren Library donor. A member of the Founder's Club and a Rice University Associate, he has served on the executive committee of the Rice University Fund Council and is Past President of the Alumni Association. In addition to his work on the Friends' planning and finance committee, Mr. Heard serves on the Board of Directors of the St. Joseph's Hospital Foundation, is a member and former Vice-President of the National Association of Railroad Trial Counsel (Southwest Region), and a former Chairman of the Harris County March of Dimes.

Mr. Frank G. Jones (B.A., 1963), a new member of the Friends, is a Board Certified Specialist in civil trial law and a partner with Fulbright & Jaworski. Mr. Jones's family has a long history of association with Rice—his mother, brother, and sister are all Rice alumni. A member of the American Bar Association, the State Bar of Texas, and a Fellow of the Texas Bar Foundation, he will serve on the membership committee.

Dr. Larry V. McIntire, Professor of Chemical Engineering, has been at Rice since 1966 and is an Adjunct Professor of Internal Medicine at the University of Texas Medical School in Houston. One of Rice's most distinguished faculty members, he brings to the

Board an ongoing dedication to maintaining the excellence of the Fondren Library: for three years he served on the University Committee on the Library and was chairman in 1976. Dr. McIntire—who will serve on the Friends' membership committee—is an advisor to the Undergraduate Student Chapter of the American Institute of Chemical Engineers, a member of the University Committee on Admissions, and serves on the Executive Board of the Rice University Faculty Club.

Finally, Mrs. Sally McQueen Smith, a Member at Large of last year's Board, is the new secretary for the Board and will serve on the Friends' executive committee. She holds a B.A. in English from Vassar College, and as a contributing editor of *Houston Home and Garden* she brings rigorous training and practical experience to the *Flyleaf* editorial committee. Mrs. Smith also serves on the Board of directors of Houston's Child Guidance Center and is Secretary for the Plumeria Society of America.

The new Board certainly faces a year of hard work and challenges, but it is a year of opportunity as well—the opportunity to support further the library's efforts to extend its services to an expanding university and an ever-widening circle of people from the Houston community.



New members of the Friends' Board of Directors. From left to right: Mr. Berry D. Bowen; Mr. Frank G. Jones; Mrs. Mary Woodson Dennis; Mr. John F. Heard; Dr. Larry V. McIntire, Jr. (not pictured: Mrs. Carolyn J. Devine)

# THE PROPERTY OF CREATIVE MINDS: A LOOK AT PATENTS, TRADEMARKS, & COPYRIGHTS

Barbara G. Kile

*Barbara Kile is the Government Documents and Microforms Librarian at the Fondren Library.*

The ideas, thoughts, and creations issuing from the human mind are expressed in an almost infinite number of ways. They surface as writings, paintings, sculpture, and—to include a few other possibilities—as mechanical inventions, films, advertisements, and ornaments. Once these ideas are expressed they are considered “intellectual property” and enter an area of the law where their legal status usually takes the form of copyright, patent, or trademark.

Two hundred years ago the framers of the U.S. Constitution realized the importance of protecting intellectual property and wrote in Article I, Section 8, Clause 8 of the Constitution that the “Congress shall have Power . . . to promote the Progress of Science and useful Arts, by securing for limited Times to Authors and Inventors the exclusive Right to their respective Writings and Discoveries.” Congress, accordingly, has enacted copyright, patent, and trademark laws to encourage disclosure of creative effort and thus promote progress. But legal protection of an individual’s “exclusive right” to benefit from “Writings and Discoveries” can create a form of monopoly that limits production of many useful products. Congress, therefore, has needed to balance the individual’s right to benefit from creative efforts against the consumer’s right to benefit fully from the disclosure of new ideas. Thus, copyrights, patents, and trademarks are granted for a limited time only.

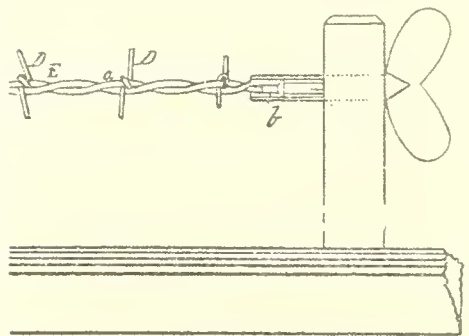
To the writers, inventors, thinkers, and manufacturers who wish to be rewarded for their labor and ingenuity, it sometimes appears that they must operate in a world which has become baffling and full of bureaucratic red tape. Perhaps H.E. Martz’s resigned, weary remark most succinctly describes that world: “He who builds a better mousetrap these days runs into material shortages, patent-infringement suits, work stoppages, collusive bidding, discount discrimination—and taxes.” All of this raises the questions, what exactly is a patent or copyright or trademark and is the entire field of government documents really the pointless, bureaucratic briar patch that Martz’s complaint implies?

At times it does seem that these forms of protection for intellectual property are pushing one into a bureaucratic briar patch, but if they are examined more closely some logic and reason can be discerned.

Patents, for example, did not begin with the U.S. Government. The first patents were granted to cooks in southern Italy in 600 B.C. as an incentive to create new recipes and tastier dishes. In the fifteenth century the Venetian Republic enacted an ordinance relating to patents and the first English patents statute was enacted in 1624. In America, the first U.S. Patent Act was adopted in 1790; soon afterward, George Washington granted the first patent to one Samuel Hopkins—for a process of making soap.

Since 1790, numerous patents have had a crucial impact on American life. They include the cotton gin by Eli Whitney, Cyrus McCormick’s reaper, the revolving gun by Samuel Colt, the sewing machine by Elias Howe, the manufacture of iron and steel by Henry Bessemer, Alexander Graham Bell’s telephone, the zipper by Whitcomb T. Judson, and the telegraph by Guglielmo Marconi. One might also mention the phonograph by Thomas Edison, the internal combustion engine by Rudolf Diesel, the airplane by the Wright brothers, and the rocket by Robert Goddard. A glimpse of an invention familiar to all of us is shown as it first appeared in the *Official Gazette of the United States Patent Office*:

157.124. WIRE-FENCES. Jos. F. Glidden.  
De Kalb, Ill. [Filed Oct. 27, 1873.]



A twisted fence-wire having the transverse spur-wire *D* bent at its middle portion about one of the wire strands *a* of said fence-wire, and clamped in position and place by the other wire strand *z*, twisted upon its fellow, substantially as specified.

*Jos. F. Glidden's barbed wire (from the November 24, 1874 issue)*

In the nineteenth century most patents were granted for farm tools, industrial machinery, and railroad equipment. Such well-known figures as Abraham Lincoln and Mark Twain were also granted patents. Lincoln's patent (no. 6,469) for an "Improved method of lifting Vessels over Shoals" was granted in 1849. He described the use of expansible buoyant chambers placed at the sides of a vessel to float it over shoals. Patent no. 121,992 was granted in 1871 to Mark Twain for an "Adjustable and Detachable Strap for Garments." The first woman to receive a patent was Mary Kies of Connecticut, who invented a device for weaving straw with silk or thread.

Twentieth-century patent activity has centered around sporting goods and toys, plastics and packaging, data processing, and pollution control. Today patents are moving from energy utilization devices (labor-saving) to energy conservation devices.

Patents can be assigned by statute for "any new and useful process, machine, manufacture or composition of matter or any new and useful improvement thereof." "Useful" in this context means the subject matter has a useable purpose and is operative; patents are not granted for perpetual motion machines. "Process" is defined as means for production rather than the resulting product. "Machine" is a means of attaining a certain result, i.e., an apparatus. The article or end product is covered by "manufacture". "Composition" of matter refers to chemical compositions, which may include mixtures of existing ingredients as well as new compounds.

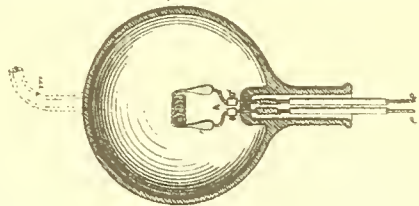
For an invention to be patented, it must be both original and useful. To meet these requirements, the subject matter must be substantially different from what has been used or described before. Substitutions of one material for another or changes in size do not meet these requirements. Small advances or changes that would be obvious to a person having ordinary skill in the same field of work are not patentable. Other things that cannot be patented include printed matter, ideas, methods of doing business, scientific principles, and naturally occurring substances.

The U.S. Government grants three types of patents: the utility patent is granted for 17 years in the general and mechanical, chemical, or electrical field; a design patent is granted for 3½, 7, or 14 years and is limited to the ornamental appearance of an object; the plant patent, finally, is granted for 17 years and covers inventions or discoveries or the asexual reproduction of any distinct and new varieties.

Since the first patent was granted in 1790, the U.S. Patent and Trademark Office has issued over four million patents. Included in this number are many interesting patents which have been granted to Rice faculty and alumni. For example, Herbert Allen (Class of 1929 and former Chairman of the Board of Trustees of Rice) holds many patents related to the oil

industry; he has generated much publicity with his new patent for the "Screwpull" corkscrew. Sam Worden (Class of 1935) holds the patent for the Worden Gravity Meter. Dr. Norman H. Ricker (Class of 1916 and former faculty member) was granted several patents for inventions related to electromagnetic exploration. He also invented the paper cone loud-speaker used in movie theaters and television and radio receivers all over the world. As recently as September 2, 1980, Larry Russel (Class of 1964) was issued patent no. 4,220,176 for "Methods and Apparatus for Controlling Fluid Flow."

223,898. ELECTRIC LAMP. THOMAS A. EDISON, Menlo Park, N. J. Filed Nov. 4, 1879.



(Claim.—1. An electric lamp for giving light by incandescence, consisting of a filament of carbon of high resistance, made as described, and secured to metallic wires, as set forth.

Thomas A. Edison's electric lamp (from the January 27, 1880 issue)

Copies or abstracts of all of these patents are available for anyone to use at Fondren Library. Fondren has been designated as a depository library of the U.S. Patent and Trademark Office; as a result all the material necessary to conduct a patent search is available on the Rice campus. This is important not only for saving patrons of the Fondren Library a significant amount of time and expense, but also because patents are valuable research tools, providing information on a particular scientific or technological development, and serve to indicate prior state-of-the-art as a context for new development.

Trademarks also protect intellectual property. The basis for trademark laws is Article I, Section 8, Clause 3—the Commerce Clause of the U.S. Constitution: "The Congress shall have power . . . to regulate Commerce with foreign Nations, and among the several States, and with the Indian Tribes."

Early marks on goods included Etruscan cheese with the sign of the moon, pottery found at archaeological sites and the trademark granted to George Washington for his own brand of flour.

The basic federal legislation in the area of trademarks is the Lanham Trademark Act of 1946. It defines trademark as "any work, name, symbol, or device or any combination thereof adopted and used by a manufacturer or merchant to identify his goods and distinguish them from those manufactured or sold

by others." Only marks used in interstate commerce can be protected with a federal trademark.

Trademarks are granted by the U.S. Patent and Trademark Office in three forms. Service marks are used to identify services and include such familiar names as "McDonalds," "TWA," "Delta," "Hertz," and "Avis." Certification marks identify goods or services meeting certain qualifications. "Underwriters Lab" is an example of a certification mark. Goods, services, or members of a collective organization are covered by collective marks—for example "AFL-CIO" or names and insignia of Greek letter fraternities and sororities.

Registrations are maintained by filing a declaration of use during the sixth year after registration and by renewal every twenty years as long as the mark is in use. Non-use of the mark for two years is considered abandonment.



TAYLOR & TAYLOR  
SAN FRANCISCO

*The San Francisco firm of Taylor & Taylor enjoyed a distinguished reputation for book designing, printing, and publishing during the first half of the twentieth century. The company's trademark, designed by Frederic W. Goudy in 1915, was inspired by the work of French and Spanish printers of the late fifteenth and early sixteenth centuries.*

One of the most important methods used for protecting intellectual property is the copyright. The first recorded copyright was granted to John of Spira in Venice in 1469 for the five-year right to print the epistles of Cicero and Pliny. Until the invention of printing, there was no difficulty in limiting copying. The task of copying manuscripts was so laborious, it limited itself. Copying was truly "a labor of love."

As publishing by means of the printing press became widespread in Europe, however, it became necessary to protect the rights of authors. The first definitive copyright statute in England, the Statute of Anne (1710), provided authors legal protection for their works. It has been the basis of most copyright legislation since that time.

In 1790 the U.S. Government enacted the first copyright law which covered maps, charts, and books. This law was amended several times to include additional subject matter—musical compositions, photographs and art work. In 1909 the law was rewritten to consolidate the previous law and amendments and added coverage to other works. This law remained on the books until 1976 when the Copyright Revision Act was Passed. The new copyright law provides protection from the moment of creation and does away with the old system, which allowed for both common law and federal law protection.

The new act states that "original work of authorship fixed in any tangible medium of expression" may be covered. There are seven broad categories of works: literary works; musical works plus accompanying words; dramatic works plus accompanying music; pantomines and choreographic works; pictorial, graphic, and sculptural works; motion pictures, and other audiovisual works; and sound recordings.

A work must be creative, original, and fixed in some tangible form in order to meet statutory requirements for copyright. Protection continues until fifty years after the author's death, and fifty years from the death of the last author in a joint work. In works for hire or anonymous works in existence before 1978, protection lasts for seventy-five years from publication or one hundred years from the creation of the work, whichever is the shorter period of time.

The 1976 revision of the Copyright Law has had an impact on libraries and their patrons: it restricts the number of copies of publications that can be made and their use. However, since government publications themselves are not copyrighted, they may be used and copied freely.

Returning to H.E. Martz's remark, there are indeed many steps in securing protection for one's own intellectual property. However, patents, trademarks, and copyrights allow for the wide dissemination of one's creative efforts, and by providing a window to the world for these creative efforts, they do much to promote progress and future development.

## FONDREN'S GOVERNMENT DOCUMENTS DEPARTMENT

Research on patents, trademarks, and copyrights is centered in the Government Documents and Microforms Department, located on the mezzanine of the Fondren Library. Fondren's strong holdings in this field of research is based on its status as a government depository library.

As a government depository library, Fondren receives selective publications from the federal government and Texas state government. Fondren does not pay for these publications but agrees to certain conditions concerning access and maintenance of the collection. Among the agency publications received by Fondren are those from the U.S. Department of

Energy, the U.S. Geological Survey, the U.S. Environmental Protection Agency, topographic maps from the Defense Mapping Agency, Congressional materials—and in particular the publications of the U.S. Patent and Trademark Office.

The staff of the Government Documents and Microforms Department is prepared to instruct users in the handling of various reference sources and microfilm readers associated with research on patents, trademarks, and copyrights. Barbara Kile, the Head of Government Documents and Microforms, is shown below using the technical reports from the U.S. Department of Energy.



# GIFTS TO THE FONDREN LIBRARY

February 1, 1980—  
July 31, 1980

The Friends sponsor a gifts and memorials program for the Fondren Library which provides their members and the community at large a way to remember or honor friends and relatives. It also provides the Fondren a way to acquire books and collections beyond the reach of its regular budget. All gifts to the Fondren through the Friends' gift program complement the library's university subsidy.

Funds donated through the Friends are acknowledged by the library to the donor and to whomever the donor indicates. Gifts can be designated in honor or memory of someone or on the occasion of some signal event such as birthdays, graduation or promotions. Bookplates are placed in volumes before the volumes become part of the library's permanent collection.

For more information about the Friends' gift program, you can call Gifts and Memorials or the Friends' office (527-4022). Gifts to the Friends of Fondren qualify as charitable donations.

The Friends and the Fondren Library are grateful to acknowledge the following gifts, donations to the Friends' fund and donations of books, periodicals, and other materials to the Fondren. All gifts enhance the quality of the library's collection and enable the Fondren Library to serve more fully an ever-expanding university and Houston community.

## GIFTS IN KIND

*Gifts of books, journals, manuscripts  
and records were received from*

Arthur R. Amuedo  
Mrs. John Beck  
Mrs. Maurice P. Bellis  
L. Berkhoudt  
Col. (Ret.) & Mrs.  
Raymond C. Bishop

Aubrey B. Calvin  
Mrs. J. Pickens Coleman  
T. T. (Tex) Collins  
James E. Connor  
Chris & Barbara Counts  
Paul E. Craven  
Anna W. Crull  
Nancy Daly  
Jean-Claude De Bremaecker  
Rt. Rev. Msgr. Anton J. Frank  
Mrs. Nancy Ritter Fridlund  
Julie Gianelloni  
Fidel J. Gonzales, Jr.  
Arthur Gottschalk  
Burke Haymes  
Dick Hedges  
Friedrich G. Helfferich  
Ruth Hickey  
The Hogg Foundation  
John Hunter  
William B. Hunter, Jr.  
Harold M. Hyman  
John L. Jobling  
Rabbi Samuel E. Karff  
Bill Kudrle  
Theodore N. Law  
Barry R. Lee  
Stephen Majoros  
Harris Masterson  
R. Bruce Menke  
Mrs. Harry W. Merritt  
Kathleen Much  
Mrs. William M. Nathan  
Dr. & Mrs. V.R. Neal  
Mrs. William Roeber  
Glenn Ruiz  
Noel Shenoi  
Monroe K. Spears  
Charles Szalkowski  
Virgil W. Topazio  
Mrs. Ruth Tvedt  
J.L. Vandenboom  
Mrs. George Westerfield  
Mrs. Henry Wilkins  
Miss Nell Willmann  
Mrs. D. Withers

*Gifts were received in memory of*

**Thomas G. Craddock**, by  
Mrs. E.E. Sheffield

**Gilbert Leslie Hermance**, by  
Prof. Charles Garside, Jr.

**Robert L. Tilly**, by  
Mary & Fred Shelton

## GIFTS FOR THE PURCHASE OF BOOKS

### *Unrestricted gifts*

Edtex, Inc.  
Ron Eisenberg  
EXXON Education Foundation  
George H. Hoemann  
Dr. Louis S. Meharg  
Owen Wister Literary  
Society Alumnae  
Society of Rice University  
Woman  
Rice Women's Club

### *Restricted Gifts*

American Society of  
Mechanical Engineers,  
South Texas Section,  
to be used for the  
purchase of books relating  
to Mechanical Engineering

Foley's, to be used for  
the Milton Berman Collection  
in Contemporary American  
Literature

Miss Mary Elizabeth Johnston,  
to be used to establish an endowment,  
The Winifred Graham Johnston  
Memorial Fund for English Literature

Rice University Student Association, to be used for the Friends of Fondren Endowment Fund

Edwin M. Schorr, to be used for purchasing for the Art Library

*Gifts in honor of*

**Anthony Gresham Adler**, on the occasion of his birthday, by Mrs. Arthur Boice

**Herbert Allen**, on the occasion of his birthday, by Mrs. Elizabeth Sloan Bainum

**Mrs. Margaret Sullins Alsobrook**, on the twenty-fifth anniversary of her association with Rice University, by W.A. Kirkland

**Mr. & Mrs. Loren Keith Baldwin**, on the occasion of their fiftieth wedding anniversary, by David Farnsworth

**Ms. Susan Johnston Barnes**, on the occasion of the receipt of her M.A. Degree, by W.B. & Lynda L. Crist

**Mrs. Katie Brooks**, in appreciation for her performance at "Fondren Saturday Night", 12 April 1980, by the Friends of Fondren

**Joseph C. Brown**, on the occasion of his birthday, by Mr. & Mrs. James L. Whitcomb

**Dr. William K. Brown**, on the occasion of his birthday, by Mr. & Mrs. James L. Whitcomb

**Dr. & Mrs. John E. Chappellear**, on the occasion of their twenty-fifth wedding anniversary, by Dr. & Mrs. Herman J. Schultz & family

**Mrs. Ruby Sue Clifton**, on the occasion of her retirement as Associate Superintendent for Board Services, Houston Independent School District, by Mr. & Mrs. John E. Joiner

**Mr. & Mrs. William E. Daniels**, on the occasion of their twenty-fifth wedding anniversary, by Mr. & Mrs. Pat H. Moore

**Mr. & Mrs. Carl Arthur Davis**, on the occasion of their twenty-fifth wedding anniversary, June 14, by Mr. & Mrs. Julian L. Shapiro

**Mrs. W.W. Fondren**, on the occasion of her one hundredth birthday, by Miss Alice Britton General & Mrs. Maurice Hirsch Mrs. Carl W. Schumacher

**Mrs. Max Freund**, by Mr. & Mrs. Louis Kestenber

**James Ward Hargrove**, by Mrs. Kemerton Dean

**Mr. & Mrs. John F. Heard**, on the occasion of their fortieth wedding anniversary, by David Farnsworth

**Mr. & Mrs. Allen Wilford Joiner**, on the occasion of their fiftieth wedding anniversary, by Mr. & Mrs. John E. Joiner

**Mr. & Mrs. Charles C. Keeble**, on the occasion of their twenty-fifth wedding anniversary, by Mr. & Mrs. John E. Joiner

**Mr. & Mrs. Homer E. Ley**, on the occasion of their fiftieth wedding anniversary, by Mr. & Mrs. George D. Blocher

**Mrs. Dorothy Kelly McGee**, outgoing President O.W.L.S. Alumnae, by Owen Wister Literary Society Alumnae

**Ms. Martha Marks**, in appreciation for her performance at "Fondren Saturday Night" 12 April 1980, by the Friends of Fondren

**Harris Masterson**, on the occasion of his birthday, by Mrs. Ronick Cravens

**Dr. Paul E. Pfeiffer**, by Mr. & Mrs. Albert G. Laverty

**Mr. & Mrs. W.B. Pieper**, on the occasion of their silver wedding anniversary, by Mr. & Mrs. Pat H. Moore

**Louis Roberts**, in appreciation for his performance at "Fondren Saturday Night" 12 April 1980, by the Friends of Fondren

**Mr. & Mrs. P.H. Robinson**, on the occasion of their fiftieth wedding anniversary, by Mrs. E. Joe Shimek

**Mr. & Mrs. William Frank Russell, Sr.**, on the occasion of their twenty-fifth wedding anniversary, by Mr. & Mrs. John E. Joiner

**Ms. Marcia Ryan**, in appreciation for her performance at "Fondren Saturday Night" 12 April 1980, by the Friends of Fondren

**Dudley Crawford Sharp**, on his seventy-fifth birthday, March 16, by Mr. & Mrs. H. Malcolm Lovett

**Mr. & Mrs. Allen G. Weymouth**, on the occasion of their twenty-fifth wedding anniversary, by Mr. & Mrs. John E. Joiner

**Mr. & Mrs. David R. Wintermann**, on the occasion of their forty-fifth wedding anniversary, February 21, by Mr. & Mrs. H. Malcolm Lovett

**Mr. & Mrs. Benjamin N. Woodson**, on the occasion of their fiftieth wedding anniversary, by Mr. & Mrs. Philip C. Koelsch

*Gifts in memory of/given by*

**Elia Aboujaoude**

Mrs. Kathryn D. Gregory

**Dr. Guy Adriance**

Fred & Mary Shelton

**David D. Allen**

Mr. & Mrs. Benjamin Brewer, Jr.

Mr. & Mrs. George R. Brown

Mrs. Julian S. Burrows

Mr. & Mrs. H.J. Chavanne

Mr. & Mrs. J. Thomas Eubank

David Farnsworth

Mr. & Mrs. David Hannah, Jr.

Mr. & Mrs. Carl Illig

Miss Mary Elizabeth Johnston

Mr. & Mrs. H. Malcolm Lovett

John T. Maginnis

H. Russell Pitman

Mr. & Mrs. Cooper K. Ragan

Mr. & Mrs. W.B. Symonds

Mr. & Mrs. James U. Teague

**Harris Hayes Allen**

Mr. & Mrs. Sam E. Dunnam

**D.C. Anderson**

Ralph S. O'Connor

**Mrs. Olivia H. Anderson**

Mr. & Mrs. Charles M. Hickey

**Abe I. Axelrod**

Mr. & Mrs. Raymond Brochstein

**Elizabeth Hill Baird**

Mrs. Andrew Jackson Adams, Jr.

Mr. & Mrs. W.H. Cocke, Jr.

Ms. Joy Z. Anastos

Ms. Sheila Cohen

Donald G. Austin

Mr. & Mrs. E.G. Byers

The Edward Campbell family

Mr. & Mrs. Victor N. Carter

Mr. & Mrs. R.J. Chambers

Mrs. Jesse W. Couch

Mrs. William K. Davis

Mr. & Mrs. Frank G. Eidman

Mary Jo Peckham

Mr. & Mrs. William M. Ferguson

Mr. & Mrs. Richard P. Ganchan

Casper Geaccone, Jr.

Mr. & Mrs. Pat Gilbert

Mr. & Mrs. R.C. Graham

Dr. & Mrs. Carlos R. Hamilton, Jr.

**Harris County Juvenile**

Probation Department

Mr. & Mrs. Harry Holmes

Mrs. Ray H. Horton

Mr. & Mrs. C.M. Hudspeth

Mr. & Mrs. William J. Hudspeth

Lucy B. & Claude Justus

Mr. & Mrs. A. Bruce Keckley

Frances Kelly

Mr. & Mrs. William A. Langden

Mr. & Mrs. Paul Loman

Ms. Mary Nan Meyer

Mrs. Thomas W. Moore

Mr. & Mrs. Henry H. Mudd

Mr. & Mrs. Walter D. Murphy

Hugo V. Neuhaus, Jr.

Roy & Evelyn Nolen

Mr. & Mrs. Robert E. Paine, III

Mr. & Mrs. T.T. Player, Jr.

Mrs. Lawrence S. Reed

Mr. & Mrs. James I. Riddle

Sandbox Group, Methodist Hospital

Donna Shults

Mr. & Mrs. Howard T. Tellepsen

Dr. & Mrs. Fred P. Thomas

Mr. & Mrs. J. Gib Thompson

Mr. & Mrs. James E. Thompson

Mr. & Mrs. James D. Watson

Mr. & Mrs. John T. Watson

Mr. & Mrs. J.D. Weaver, Jr.

**John Q. Baldrige**

Miss Bonnie Sue Wooldridge

**Mrs. John B. Bean**

Mr. & Mrs. V.P. Ringer

**Ruben Benson**

Mr. & Mrs. Frank Zumwalt, Jr.

**Milton S. Berman**

Mr. & Mrs. H. Malcolm Lovett

Mrs. James R. Morris

Rice University Associates

**Mrs. Ethel W. Berryman**

Mr. & Mrs. Charles M. Hickey

**Robert L. Berryman**

Dr. & Mrs. Ed F. Heyne, III

Mr. & Mrs. Charles M. Hickey

**Mr. Bessinger**

Mrs. Fred L. Williams, Jr.

**John Bertetto**

Clifford L. Lawrence

**Ed Beylotte, Jr.**

Mr. & Mrs. Frank Zumwalt, Jr.

**Albert H. Black, II**

Mrs. Willoughby Williams

**John Blackford**

William J. Hudspeth

**Frances Ely Bluestein**

Mr. & Mrs. Gus Schill, Jr.

**David Blum**

Mr. & Mrs. Julian L. Shapiro

**Mary Florensia Bogue**

Mrs. Mildred B. McStravick

**Noel Boston**

Mr. & Mrs. Sidney Schafer

**W. Stewart Boyle**

Mr. & Mrs. H. Malcolm Lovett

Mr. & Mrs. Dan M. Moody

**Dr. Hubert E. Bray**

Mrs. Gilbert L. Hermance

**Margaret Cooper Britton**

Mr. & Mrs. George Hartung

Mr. & Mrs. Charles M. Hickey

Mr. & Mrs. Roy Needham

**Mrs. Alfred J. Brown**

Charles M. Hickey

**Judge Walter Buenger, Sr.**

Gilbert Cuthbertson

**Mrs. Marylyn Perkins Buie**

Mr. & Mrs. John E. Joiner

**J.W. Bush**

Emma J. Smith

**Mrs. E. Dell Butcher**

Dave Chapman

Mr. & Mrs. Harry J. Chavanne

Cape G. DeWitt

Mr. & Mrs. G. Harris Emig

Mr. & Mrs. J. Thomas Eubank

David Farnsworth

Miss Sarah Gordon

Mrs. Kegham S. Gregory & family

Mr. & Mrs. Frank C. Guthrie

Mr. & Mrs. David Hannah, Jr.

Mr. & Mrs. John F. Heard

Mr. & Mrs. C.M. Hudspeth

Mr. & Mrs. Lebbeus C. Kemp, Jr.

W.A. Kirkland



Mr. & Mrs. Wendel D. Ley  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. S.I. Morris  
Mr. & Mrs. Ralph S. O'Connor  
Mr. & Mrs. Haylett O'Neill, Jr.  
H. Russell Pitman  
Mrs. J.N. Rayzor  
Rice University Associates  
Mr. & Mrs. James U. Teague

**Mrs. Edward L. Byers**  
Mr. & Mrs. Phillip B. Costa  
Mr. & Mrs. David B. Daviss  
Mr. & Mrs. Kraft W. Eidman  
Mr. & Mrs. C.M. Hudspeth

**J.J. Callender**  
Mr. & Mrs. Charles M. Hickey

**Carl B. Calloway**  
Mr. & Mrs. Claude T. Fuqua, Jr.

**Mrs. Paul H. Cambeilh, Sr.**  
J. Niland

**Nathan Donald Canterbury**  
Mr. & Mrs. A. Emil Adler  
Marco Gresham  
Miss Nell Willmann

**Mrs. Josephine Dawson Carlton**  
Mr. & Mrs. Victor N. Carter  
General & Mrs. Maurice Hirsch  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. V.P. Ringer  
Mr. & Mrs. John F. Staub  
Miss Nell Willmann

**Joiner Cartwright**  
John T. Maginnis

**Lon D. Cartwright, Jr.**  
Mr. & Mrs. Cooper K. Ragan  
Mrs. Edward Wilkerson

**Wilbert O. Catterton**  
Mr. & Mrs. Carl Illig

**Maurine Halsell Catto**  
Mr. & Mrs. James E. Crowther

**Dalton B. Chapman**  
Mr. & Mrs. David S. Howard, Jr.

**William Clark**  
Mr. & Mrs. Dan M. Moody

**Mrs. Edith Coffman**  
Mr. & Mrs. David S. Howard, Jr.

**Mrs. George S. Cohen**  
Mrs. Gilbert L. Hermance

**Mrs. Lela Wright Connally**  
Mr. & Mrs. George R. Brown

**Dr. Thomas Coor, Sr.**  
Dr. & Mrs. William K. Brown

**Charles Allen Coskey, Sr.**  
Mr. & Mrs. David S. Howard, Jr.  
Ray & Priscilla Skaggs

**Mrs. Clarissa L. Craze**  
Mr. & Mrs. David S. Howard, Jr.

**Mrs. Eileen Crumpton**  
Mrs. Lillian H. Hermance

**A. Barnett Cummings**  
Mr. & Mrs. Philip C. Cezeaux

**Mrs. Irma H. Currie**  
Mrs. H. Merlyn Christie  
Mr. & Mrs. H. Malcolm Lovett

**J.W. (Jake) Cutbirth**  
Mr. & Mrs. Sam E. Dunnam  
Highland Resources, Inc.,  
Employees & Friends

**Mrs. Maribel K. Daffan**  
Cleo Barkley  
Mr. & Mrs. Kenneth M. Moore, Jr.  
Richard H. Perrine  
Emma J. Smith

**Albert M. Dashiell, M.D.**  
Mr. & Mrs. D.E. Van Steenberg  
Mary H. Van Steenberg

**Morgan J. Davis**  
Mrs. J.S. Burrows  
Mr. & Mrs. Carl Illig  
William S. Kilroy  
Evelyn Shimek  
Mr. & Mrs. W. McIver Streetman

**Mrs. Ruth Blackwell Davis**  
Beatrice Harrison

**Vivian Dean Davis**  
Mr. & Mrs. Philip C. Cezeaux

**Kemerton Dean**  
General & Mrs. Maurice Hirsch

**Mrs. Myrtle Dippel**  
Mr. & Mrs. James E. Crowther

**Carl Ditta**  
Dan Rogers Farmer

**Leland V. Dolan**  
Mr. & Mrs. Charles M. Hickey  
Mr. & Mrs. J.W. Hoover

**Dale Holbrook Dorn**  
Mr. & Mrs. George R. Brown  
General & Mrs. Maurice Hirsch

**Mrs. Marjorie A. Dorrance**  
Mr. & Mrs. Ralph S. O'Connor

**Dan B. Dunn**  
R.L. Stevenson

**Mrs. W.E. Dyche, Jr.**  
Mr. & Mrs. V.P. Ringer

**Richard T. Eastwood, Ph.D.**  
Miss Bonnie Sue Wooldridge

**James Doak Elliott**  
Mr. & Mrs. David S. Howard, Jr.

**B. Frank Ellis**  
Mr. & Mrs. Charles M. Hickey

**F.W. "Chuck" Eubank**  
David Farnsworth

**Robert Davis Farish**  
Miss Nell Willmann

**Clarence Felger**  
Ms. Edna May Vaughan

**Mrs. Minnie D. Ferrell**  
Mr. & Mrs. Charles M. Hickey

**Dr. Julian J. Fertitta**  
Mr. & Mrs. Charles Puccio  
Mr. & Mrs. Harold E. Mortimer

**William C. Fisher, III., M.D., F.A.C.S.**  
Dr. & Mrs. Charles K. Bruhl

**Mrs. Annie Oma Fleming**  
Mr. & Mrs. Walter G. Boone  
Owen Wister Literary  
Society Alumnae

**Hardy B. Fowler**  
Madeline, Melita, Lisa  
& Bill Murphy

**Mrs. Jere Freel**

Mr. &amp; Mrs. Fred Chisholm

**John H. Freeman**Mr. & Mrs. Ben Brewer, Jr.  
Mr. & Mrs. W. Winthrop Carter  
Lloyd Jones Brewer  
& Associates, Inc.  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Dan M. Moody**N.W. (Dick) Freeman**Mr. & Mrs. George R. Brown  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Ralph S. O'Connor**Dr. Max Freund**Mr. & Mrs. C.M. Hudspeth  
Mr. & Mrs. Louis Kestenberg  
Richard H. Perrine**Miss Louise Garwood**General & Mrs. Maurice Hirsch  
Mr. & Mrs. H. Malcolm Lovett**Mrs. Annie B. Davis Gay**

Mr. &amp; Mrs. Howard I. Mason

**DeWitt Ratliffe Gayle, Jr.**Mr. & Mrs. Benjamin E. Brewer, Jr.  
Mrs. Elda Brewer  
Raymond & Susan Brochstein  
Dr. & Mrs. William K. Brown  
Mr. & Mrs. Hudson D. Carmouche  
Mrs. Herman Detering  
Katherine B. Dobelman  
David Farnsworth  
Mrs. Robert L. Gorden and family  
Mr. & Mrs. Hugh E. Gragg  
Mr. & Mrs. David Hannah, Jr.  
Mr. & Mrs. Walter Hebert  
Mr. & Mrs. James P. Jackson  
Mr. & Mrs. Edmund Langwith  
Mr. & Mrs. Walter Murphy  
Mr. & Mrs. K.E. Ross  
Mrs. B.B. Smith  
Mr. & Mrs. Robert M. Williams  
Mr. & Mrs. W.J. Williamson  
The Jean M. Worsham family**Gus J. Geyer**

Mr. &amp; Mrs. W.L. "Dutch" McKinnon

**Frank E. Gill**David Y. Cunningham  
Clifford L. Lawrence**Robert L. Gorden**

Katherine B. Dobelman

**Mrs. John E. Gragg**

Mr. &amp; Mrs. Hugh E. Gragg

**Guinn M. Granbury**

Mr. &amp; Mrs. H. Malcolm Lovett

**James Henry Gray**

J.E. Niland

**Kane Greenleaf**

Mr. &amp; Mrs. Sidney Schafer

**Roger Greenwood**

Bernice Stephenson

**Mrs. Mabel Hedricks Gregg**

Miss Harriet M. Stewart

**C.B. Grote**

Mr. &amp; Mrs. Charles M. Hickey

**W. Riley Hale**

Mr. &amp; Mrs. William J. Hudspeth

**Christopher Richard Halphen**Mrs. J.H. McKinney  
Mrs. D.E. Van Steenberg**Ray Harrell**

Dr. &amp; Mrs. Ed F. Heyne, III

**Herbert Bridges Harris**

Mr. &amp; Mrs. John E. Joiner

**Mrs. Jennie Harrison**

The Budget Dozen

**Goldie Ried Hartshorn**

Mrs. Gertrude Barnstone

**Fred Hartung**

Mr. &amp; Mrs. Charles M. Hickey

**Mrs. Martha Louise Hickey  
Hedrick**Mrs. Mary K. Cariker  
L.M. Hermes, Jr.  
Mr. & Mrs. Charles M. Hickey  
Mary Ruth Hickey  
Mr. & Mrs. Frederick M. Johnston  
Mrs. May H. Maria**G. Riley Hettick**

Mrs. Martha K. Smith

**Anthony Hoagland**

Mr. &amp; Mrs. John H. Meyers

**W.A. Horne**

Mr. &amp; Mrs. David L. Stirton

**John N. Hunt**

Mr. &amp; Mrs. H. Malcolm Lovett

**Mrs. Mary Catherine Jacob  
Hutcheson**Dr. & Mrs. Jack Brannon  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. John H. Meyers  
Mrs. Henry Safford, Jr.  
Mr. & Mrs. W. McIver Streetman  
Mrs. Fred L. Williams, Jr.  
Miss Nell Willmann**John W. Inkster**John & Maribel McCleary  
Mr. & Mrs. W.L. McKinnon**Garnet L. Jackson**

Mrs. O.W. Paine, Jr.

**Dr. Howard W. Jacobs**

David Farnsworth

**Ronald Jarrett**

Mr. &amp; Mrs. M.K. Craig

**Harold R. Jarvis**

Mr. &amp; Mrs. Ernest L. Vogt, Jr.

**Harry R. Jones**Mr. & Mrs. George R. Brown  
Mr. & Mrs. Carl Illig  
Mr. & Mrs. Cooper K. Ragan  
Mr. & Mrs. T. Philip Scott  
Mr. & Mrs. Bruce W. Wallace**Catherine Regina King**

Mr. &amp; Mrs. Phillip B. Costa

**Mrs. Judith Winans King**Mr. & Mrs. Hugh E. Gragg  
Mr. & Mrs. C.M. Hudspeth  
Mr. & Mrs. Robert H. Singleton**J.L. (Roy) Kirkpatrick**

Mr. &amp; Mrs. Milton K. Eckert

**John F. Klotz**  
Mr. & Mrs. H. Malcolm Lovett

**W.E. Knickerbocker**  
Mr. & Mrs. Victor N. Carter  
Mr. & Mrs. W.J. Hudspeth  
Mr. & Mrs. Carl Illig  
Mr. & Mrs. Wendel D. Ley  
John T. Maginnis

**Freda Kornfeld**  
Emma J. Smith

**G.W. Kuenstler**  
Miss Alice Britton

**Otto Kuss**  
Mr. & Mrs. David L. Stirton

**Mrs. Land**  
Mrs. Fred L. Williams, Jr.

**William H. Lane**  
Mr. & Mrs. James L. Britton, III  
Mr. & Mrs. George R. Brown  
E.D. Butcher  
Mr. & Mrs. H.J. Chavanne  
David Farnsworth  
Mr. & Mrs. David Hannah, Jr.  
Mr. & Mrs. H. Malcolm Lovett  
Rice University Associates

**Mrs. Aileen Stewart Langham**  
Geferal & Mrs. Maurice Hirsch  
Mrs. Fred L. Williams, Jr.

**Mrs. Rheba Lapin**  
Raymond & Susan Brochstein

**Chester Lauck**  
Alvin S. Moody

**Daniel C. Lawrence**  
H. Blandin Jones  
Mrs. Elmer L. Summers

**Mrs. Elsie Mann Lear**  
Mrs. Dorothy Z. Bowman  
Mr. & Mrs. Emory T. Carl  
Mrs. Hardin Craig, Jr.  
Mr. & Mrs. Roy D. Demme  
Beth W. Fitzgerald  
Mr. & Mrs. S.W. Higginbotham  
Mrs. William Houston  
Mr. & Mrs. C.M. Hudspeth

**Frank Lee**  
Mr. & Mrs. David D. Itz

**Ray Allen Lemmon, II**  
Mr. & Mrs. Ben Love

**Eugène G. Léonardon**  
Dr. & Mrs. André Bourgeois

**Janice Marie Lester**  
Mr. & Mrs. James U. Teague

**Tom Lester**  
J.R. Lyne, Jr.  
Ray & Priscilla Skaggs

**George H. Lewis, Jr.**  
Mr. & Mrs. H. Malcolm Lovett

**Mrs. Irene Lindler**  
Meredith H. James, Jr.

**Dr. Walter E. Lipscomb**  
Mrs. Kegham S. Gregory

**Ray & Inez Littlefield**  
Mr. & Mrs. Charles M. Hickey

**Jerry Long**  
Mrs. Gilbert L. Hermance

**Mrs. Ralph Looney**  
Mrs. Hubert E. Bray  
Mr. & Mrs. William B. Spencer  
Mrs. Elmer L. Summers & sons

**Howard Loyd**  
W.B. & Lynda L. Crist

**I.M. Lurie**  
Dr. & Mrs. Edward C.M. Chen

**Virginia McCray**  
Evelyn Shimek

**Harold M. McCullough**  
Mr. & Mrs. H. Malcolm Lovett

**Helen Louise McCullough**  
Mr. & Mrs. Milton K. Eckert

**Mrs. Lucile Wooten McCullough**  
Mrs. Arthur Boice  
Mr. & Mrs. George R. Brown

**Jerry Abel McFaddin**  
Mr. & Mrs. George D. Blocher  
George D. Blocher, Jr.  
Thomas A. Blocher, M.D.

**Professor Alan D. McKillop**  
Dr. Thomas E. Sample, Jr.  
Charles Ingoldsby McLean, Jr.  
Miss Lennie E. Hunt  
Mrs. Edward W. Kelley  
Mr. & Mrs. Philip C. Koelsch  
Mr. & Mrs. W. McIver Streetman  
Mrs. Edward Wilkerson  
Miss Nell Willmann

**K. Sewall McMahon**  
Ray & Priscilla Skaggs

**Ernest MacWilliams**  
Mrs. Marion Jordan

**Edward Maher**  
Mr. & Mrs. Claude T. Fuqua, Jr.

**Mrs. Helen Poteat Marshall**  
Mr. & Mrs. George R. Brown  
Mr. & Mrs. James E. Crowther

**E.E. "Mark" Miller**  
Clifford L. Lawrence

**Mr. & Mrs. John W. Miller**  
Rice University Associates

**Martin G. Miller**  
Robert W. Maurice  
Richard S. Wilkins

**Paul R. Mills**  
David L. Sturton

**Mrs. Jeanette Mintz**  
Mr. & Mrs. Philip C. Cezeaux

**Mrs. Julia Alice Mohr**  
Mr. & Mrs. Russell J. Simon

**J.K. Moore**  
Maribel & John McCleary

**Mrs. Margaret Hunt Moore**  
Dan Rogers Farmer

**J.D. Motheral**  
Mr. & Mrs. Raymond H. Moers

**W. Oscar Neuhaus**  
Dr. & Mrs. Bobby R. Alford  
Ralph A. Anderson, Jr.  
Mr. & Mrs. Walter S. Baker, Jr.  
Mr. & Mrs. John C. Berryman  
John B. Brock, III  
Mr. & Mrs. Richard N. Carrell  
Mr. & Mrs. W.T. Carter, III  
Mr. & Mrs. Henry W. Hoagland  
Mrs. James P. Houstoun, Jr.  
Mr. & Mrs. David S. Howard, Jr.  
Mr. & Mrs. James P. Jackson  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Dan M. Moody  
Mr. & Mrs. S.I. Morris  
Mr. & Mrs. Ralph S. O'Connor  
Rice University Associates  
Mr. & Mrs. John C. Ridley  
Mr. & Mrs. John F. Staub  
Mr. & Mrs. W. McIver Streetman  
Mrs. Edward Wilkerson  
Miss Nell Willmann

**Mrs. C.J. Newby**  
Mrs. J.N. Rayzor

**Walter G. Olin, Jr., M.D.**  
Mrs. George V. Miller  
Ben B. Turner, Jr.

**Mrs. Virginia Overton**  
Mr. & Mrs. Charles M. Hickey  
Dr. & Mrs. Charles S. Matthews

**William Connelly Padon**  
Mr. & Mrs. Julian L. Shapiro

**Mrs. Louise Palmer**  
Mr. & Mrs. John Sellingsloh

**Mrs. Joel Parker**  
Mr. & Mrs. John H. Meyers  
Mrs. Willoughby C. Williams

**Mrs. Lois Williams Parker**  
Mrs. Nancy B. Parker

**Mrs. Sarah Lane Parker**  
Mr. & Mrs. H. Malcolm Lovett

**Mrs. Christine Parks**  
Mr. & Mrs. Charles M. Hickey

**Morris Peaceman**  
Dr. & Mrs. Joseph Cooper

**Dick Peebles**  
Rice University Athletic Department

**Mrs. Frances Sandora Pendarvis**  
Mrs. Bessie Minge Wendt

**George J. Penfield**  
Mr. & Mrs. Howard I. Mason

**John D. Penry**  
Mr. & Mrs. H. Malcolm Lovett  
Robert H. Shutt

**Mrs. Maude Philbrook**  
Mrs. Fred L. Williams, Jr.  
Mr. & Mrs. C.M. Hudspeth

**Clyde Phillips**  
Mrs. Kegham S. Gregory

**Frank Martin Platter**  
Mrs. Arthur Boice

**Mrs. Henry Van Every Platter**  
Mrs. Arthur Boice

**Lydia & Northern Powers**  
Sherry & Dan Cecil  
Joel & Letha Meier

**Thomas W. Quaidy**  
Lynda L. Crist  
Mr. & Mrs. Harold M. Hyman  
Mr. & Mrs. H. Malcolm Lovett

**Samuel Rachlin**  
Mr. & Mrs. B.F. Kessler

**Mrs. Elsie M. Rain**  
Mr. & Mrs. John E. McCleary

**C.L. Rawson**  
Mr. & Mrs. D.E. Van Steenbergh

**Jack H. Reeves**  
Professor & Mrs. André Bourgeois

**Charles E. Richards**  
Mr. & Mrs. Arthur J. Hartsook  
Mr. & Mrs. Haylett O'Neill, Jr.  
Mrs. John C. Ridley  
Mr. & Mrs. J.U. Teague

**The Right Reverend  
J. Milton Richardson**  
Mrs. Arthur Boice  
Mr. & Mrs. George R. Brown  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. John H. Meyers

**Mrs. F. Parker Robbins**  
Mr. & Mrs. Neal B. Heaps

**Hubert Roussel**  
Mrs. Arthur Boice  
David Farnsworth  
Mr. & Mrs. David S. Howard, Jr.  
Mr. & Mrs. H. Malcolm Lovett

**Abe Rubenstein**  
Julian & Ruth Shapiro

**W.O. Rust**  
Mr. & Mrs. W.T. Richard

**Mrs. Winifred Bollons Safford**  
Mr. & Mrs. George R. Brown  
Mr. & Mrs. David S. Howard, Jr.  
Mr. & Mrs. H. Malcolm Lovett

**John B. Saragusa**  
The Kegham S. Gregory family

**Albert C. Sauer**  
Mr. & Mrs. Hubert D. Martin

**Louis H. Schlom**  
Mr. & Mrs. H. Malcolm Lovett

**Richard Schofield**  
Navolne M. Stephenson

**A.M. Schwarz**  
Julian & Ruth Shapiro

**Mrs. Louise Thomson Scott**  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. John F. Staub

**Miss Sarah Shannon**  
Mr. & Mrs. Frank Zumwalt

**Mrs. Juanita Rousseau Shearer**  
Dan Rogers Farmer

**Henry Earl Shields**  
Mr. & Mrs. Claxton Parks

**Dr. Albert O. Singleton, Jr.**  
Mr. & Mrs. H. Malcolm Lovett

**Marguerite M. Skingle**  
W.B. & Lynda L. Crist

**Dr. William J. Snow**  
Mr. & Mrs. J. Thomas Eubank  
Mr. & Mrs. Gus A. Schill, Jr.  
Mr. & Mrs. Bruce W. Wallace

**Caroline S. Snowden**  
Mr. & Mrs. Don Wyatt  
Mrs. Verdery Erwin

**Mrs. Helen Alice Spangler**  
Mr. & Mrs. J.A. Lunsford

**Fred W. Sultan, Jr.**  
General & Mrs. Maurice Hirsch

**Mrs. Dolores Waugh Swift**  
Mr. & Mrs. John E. Joiner

**Mrs. Ingeborg Larsen Tellepsen**  
Mr. & Mrs. George R. Brown  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Dan M. Moody  
Mr. & Mrs. Haylett O'Neill, Jr.

**Joe W. Thigpen**  
Mr. & Mrs. H. Malcolm Lovett

**Mrs. J.R. Thomas**  
Mr. & Mrs. S.W. Higginbotham  
Mr. & Mrs. Bryan Pipes  
Mr. & Mrs. Mark E. Winslow

**Miss Fairy Thompson**  
Mr. & Mrs. H. Malcolm Lovett

**Robert Love Tilly**  
Mr. & Mrs. Walter S. Baker, Jr.  
Mr. & Mrs. H. Malcolm Lovett

**Mrs. Walter M. Todd, Sr.**  
J.E. Niland

**Thomas Stephen Trammell**  
Mr. & Mrs. James I. Riddle  
Mr. & Mrs. J. Gib Thompson

**Mrs. Nancy Pratt Reid Tucker**  
Mr. & Mrs. Samuel E. Sims

**Susan Smith Vandiver**  
Dr. & Mrs. Wallace L. Anderson  
Mrs. Gilbert L. Hermance  
General & Mrs. Maurice Hirsch

**Reuben Von Mosch**  
Mrs. A. Lawrence Lennie

**Mrs. Lillie Waddell**  
Mr. & Mrs. Julian L. Shapiro

**Mrs. Lapsley Watters**  
Miss Lola Taylor Kennerly  
Luddey K. Michal

**Frank A. Watts**  
R.A.J. Dawson

**Martha Miller Waugh**  
Mr. & Mrs. H. Malcolm Lovett

**Judge Presley E. Werlein, Jr.**  
Mrs. Fred L. Williams, Jr.

**Ted Whiteford**  
Frances & Ed Heyne & Erik

**Avis Whitmore**  
R.L. Stevenson

**Dr. Bell I. Wiley**  
Jefferson Davis Association

**Edward A. Wilkerson, M.D.,  
F.A.C.P.**  
Dr. & Mrs. Charles K. Brubl

**Fred E. Williams**  
Mrs. Fred L. Williams, Jr.

**Robert M. Williams**  
David Farnsworth  
Mr. & Mrs. Richard P. Ganchan  
Elizabeth K. Gayle  
Mr. & Mrs. David Hannah, Jr.  
Meredith H. James, Jr.  
Mrs. W.O. King  
Mr. & Mrs. Walter D. Murphy  
Mrs. George B. Powell  
Mrs. May Wilkins

**Mr. & Mrs. Bates F. Wilson**  
William J. Condon

**Wallace Daniel Wilson**  
Louis K. Adler  
Mr. & Mrs. George R. Brown  
Mrs. Julian S. Burrows  
Mr. & Mrs. Victor N. Carter  
David Farnsworth  
Dr. & Mrs. Carlos B. Hamilton, Jr.  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Ralph S. O'Connor  
Mr. & Mrs. Haylett O'Neill, Jr.  
Rice University Associates  
R.H. Shutt  
Mr. & Mrs. John F. Staub  
Mr. & Mrs. James U. Teague  
Mr. & Mrs. Anderson Todd  
Miss Nell Willmann

**Harold E. Winters**  
Mr. & Mrs. Kingsland Arnold  
Mrs. Sharon Ford, Curtis & Angelia  
Wilson J. Pais, Foster Wheeler  
Energy Corporation  
Mr. & Mrs. Minor Marling

**Mrs. Lyndall Finley Wortham**  
Mr. & Mrs. H. Malcolm Lovett  
Mr. & Mrs. Ralph S. O'Connor  
Rice University Associates  
Miss Harriet M. Stewart

**Knox E. Wright**  
Mr. & Mrs. George A. Hartung

**Miss Fannie Neal Yeatman**  
Mildred Cook  
Mr. & Mrs. H.B. Jackson

**Mrs. Ola Heard Zachry**  
Mr. & Mrs. Mike Alford  
Cleo Barkley  
Mr. & Mrs. J.O. Cawfield  
Mrs. Hardin Craig, Jr.  
Fondren Library Staff  
Mr. & Mrs. Henry W. Hoagland  
Mr. & Mrs. W.D. Holloway, Jr.  
Mrs. Nancy B. Parker  
Richard H. Perrine  
Gilberta M. Zingler

**Mrs. Alwine A. Zwerneman**  
Mrs. George V. Miller  
Mrs. Tia Hohl  
W. George Muller

## MEMBERSHIP

Membership in the Friends of Fondren Library is open to all. The membership year usually follows the academic year—beginning in September—and is arranged on a rotating basis. Membership dues are as follows:

Contributor .....	\$25
Sponsor .....	\$50
Patron .....	\$100
Benefactor .....	\$500
Rice University Student .....	\$10
Rice University Staff/Faculty .....	\$20

Members of the Friends will receive *The Flyleaf* and invitations to special programs and events sponsored by the Friends. In addition, members who are not already students, faculty, or staff of the university will receive library circulation privileges.

Checks for membership dues should be made out to the Friends of Fondren Library and should be mailed to Friends of Fondren, Rice University, P.O. Box 1892, Houston, Texas 77001, along with your preferred name and address listing and home and business phone numbers. Dues qualify as charitable donations. Dues, like donations to the gift fund, also help meet the Brown Foundation Challenge Grant which last year, in response to gifts to the university for current operating expenses, added nearly \$2.5 million to the university's permanent endowment. The same opportunity exists this year.





Friends of Fondren Library  
Rice University  
P.O. Box 1892  
Houston, Texas 77001

---

Non-Profit Org.  
U.S. POSTAGE  
PAID  
Permit No. 7549  
Houston, Texas