Engineers Loyal to Alumni Fund

Loyalty of our Engineering Alumni to the University and their continued interest in its functions is evidenced by the more than fivefold growth of the school's giving to the Annual Tulane Alumni Fund. The fund has come to play an important part in the University's financial picture and is recommended for your serious consideration. Begun in 1947, the fund is now in its ninth year. Engineers have contributed as follows:

<table>
<thead>
<tr>
<th>Year</th>
<th>Contributions</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>1946-47</td>
<td>107</td>
<td>$3,588.42</td>
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<tr>
<td>1947-48</td>
<td>298</td>
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<td>1949-50</td>
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<td>1952-53</td>
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<td>17,657.24</td>
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<td>1953-54</td>
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</table>

Last year the overall percentage of all the schools was 26.4%. Engineering was 28.2%. Only Medicine and Law surpassed Engineering in percent participation. However, Engineering outstripped all schools except Medicine in amount contributed by several thousand dollars. Being engineers and delvers into matters mathematic, we need not tell you how much additional endowment the University would have required at current interest return to earn nearly $20,000. If you have not done so yet, send in your gift right now. The amount is secondary—your participation is the primary consideration.

Advisory Committee Reports on Curricula

J. Bres Eustis, President of the Society of Tulane Engineers, elected at Homecoming, 1954.

J. Bres Eustis was graduated from Tulane in 1934 with a B. E. in chemical engineering. He specialized in soil mechanics and foundation engineering at the Waterways Experimental Station of the United States Corps of Engineers in Vicksburg from 1934 to 1946. Mr. Eustis did postgraduate work at Massachusetts Institute of Technology in 1939. He then attended Harvard University in 1940-41, where he obtained a Masters Degree in Civil Engineering.

He founded the Eustis Engineering Company, consulting foundation engineers, in Vicksburg in 1946. The company has been consolidated in New Orleans since 1950.

The Advisory Committee of the Society, a standing committee composed of Bernard A. Grehan, Chairman; J. Robert Rembach, Vice-Chairman; James P. Ewin, William F. King, Henri J. Molaison, Waldemar Nelson, Murdock Snellings and Mario Zervigon, has made a fine report in its review of the “Curricula of the Engineering School at Tulane.” The report also contains a supplement which includes certain comments as individually expressed by some of the committee members. Too lengthy to include in its entirety in this publication, the report has been abstracted to point up its highlights and major recommendations. The report commented on the paramount importance of the faculty of the school and stated, “It is, therefore, essential that the objective at Tulane be to obtain top level men, proven as outstanding in their fields, in almost every major field of engineering covered in the curricula.” A number of suggestions were offered including high salaries for top men, consulting, the use of part-time professional men, and active participation of faculty in national society affairs. Excessive in-breeding was regarded with disfavor.

The belief was emphasized over and over again that Tulane should be for “better-than-average” students. It suggested strengthening entrance requirements and commended the establishment of an honors program for gifted students.

(Continued on Page 4)
Tulane Engineers Active in Agricultural Research

The Southern Regional Research Laboratory at New Orleans was authorized by Congress in 1938 as one of four regional laboratories to develop new and extended outlets for farm crops and to improve the processing and utilization of these crops. The Southern Laboratory and the six field stations associated with it comprise the Southern Branch of the U. S. D. A. Agricultural Research Service. The crops studied are cotton lint, cottonseed, rice, sweet potatoes, sugarcane, peanuts, citrus fruit, cucumbers, tung fruit, and pine gum. The program of the Southern Laboratory includes fundamental and applied research and pilot-plant development.

Engineers at the Southern Laboratory and its field stations are engaged in many activities at various professional levels. These activities include preliminary studies of each development to show that the development is technologically possible and economically possible in that the product can be made and sold at a profit; pilot-plant development to confirm the possibility of essential operation, and prepare product for evaluation; design of equipment and preparation of specifications for the purchase or construction thereof; and preparation of publications presenting the results of the development.

Tulane engineers who are now members of the Southern Laboratory staff include:

E. A. GASTROCK has been head of the Engineering and Development Section of the Southern Laboratory since 1939. A native of New Orleans, Louisiana, he received the B. E. degree in Chemical Engineering from Tulane University in 1918. As head of the Engineering and Development Section he is responsible for all chemical engineering utilization research of the Engineering and Development Section and the Branch. Under Mr. Gastrock's charge are the four units of the Engineering and Development Section: Industrial Analysis, Process Development, Product Development and Cotton.

L. F. MARTIN, after graduating from Tulane with a B. S. in 1924 and a B. E. and M. S. in 1925, received his Ph.D. degree in organic chemistry at Illinois in 1927. He is now head of the Sugarcane Products Section at the laboratory.

HENRY L. E. VIX is supervisor of the Process Development Unit, Engineering and Development Section of the Southern Laboratory. A native of New Orleans, Louisiana, he received a B. E. in Chemical Engineering from Tulane in 1934. In the Process Development Unit there are six professional chemical engineers who are engaged in fundamental chemical engineering research and development work on scaling up laboratory methods and achievements into processes for commercial adoption.

E. L. D'AQUIN, a native of New Orleans, Louisiana, received the B. E. degree in Chemical Engineering from Tulane in 1927. Prior to coming to the Southern Laboratory in 1941, he was employed at the Southern Cotton Oil Company, Gretna, Louisiana, as chemist and chemical engineer in process control and development. At the Southern Laboratory he has been engaged in engineering and process development research in vegetable oil, rubber, starch, sweet potatoes and feed byproducts fields.

HENRY J. MOLAIISON is presently engaged in general engineering design in the Process Development Unit, Engineering and Development Section, of the Southern Laboratory. He has been in charge of engineering design since 1946. He received the degree of B. E. in Chemical Engineering from Tulane in 1952 and was engaged in a variety of engineering work prior to coming to the Southern Laboratory in 1940.

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Alumni Urged To "Talk" Tulane

One of the objectives of all Tulane Engineers should be the recruiting of superior high school students in their communities to attend Tulane. Louisiana Alumni are particularly urged to interest themselves in young men in their local schools who show an engineering bent. Records of the school indicate that the percentage of students from Louisiana—other than metropolitan New Orleans—is very small.

As an example, the Freshmen Engineering Class of 1954 was 56% from New Orleans, 35% from out of the state and only 7% from other parts of Louisiana.

Send us the names and addresses of likely material, and we will be happy to put the University in touch with them. Remember to "talk" Tulane in your community.

Homecoming Reunions

1914—Mr. Pendleton Lehde was in charge of the 40th reunion of the Class of '14 which included Arts and Sciences and Architects. Mr. Lehde entertained the group at a most enjoyable cocktail party at his home after the game on November 6.

1934—Mr. E. Patrick McCloskey spearheaded this 20th reunion. A well-attended cocktail party was held at the Jung Hotel before the Homecoming Dance on November 5, and the class had a table at this dance.

1949—Collaborating in planning a cocktail party at the Coast Guard Officers' Club preceding the dance were Messrs. Emile J. Brinkman, Daniel H. Vliet and Donald E. Lagarde, Jr. The group also had a table at the Homecoming Dance.

Engineers Active in Tulane Affairs

That Engineering Alumni are active in University affairs is readily evidenced by the partial list below of men who have and are taking very active part in things Tulane.

Clifford F. Favrot, Chemical Engineering 1914, is a member of the Board of Administrators of the Tulane Educational Fund, Chairman of the Board's most important Development (Fund Raising) Committee, a past president of the Alumni Association and a Class Agent in the annual Alumni Fund. Mr. Favrot for a number of years was a roofing contractor in New Orleans and later an organizer and the president of the Asbestos Corporation, large manufacturers of asbestos cement products. Recently this business was sold to the National Gypsum Company, which concern has retained Mr. Favrot as a member of its board.

D. B. H. Chaffe, M. and E. 1912, is presently first vice president of the Alumni Association, a member of the Tulane Board of Visitors, co-ordinator for the School of Engineering of the Alumni Fund and class agent for the fund. He is an officer of Southern States Equipment Company, Inc., machinery engineering and machinery rental firm in New Orleans.

A. L. Jung, Jr., Mechanical Engineering 1938, is general chairman of the current Alumni Fund, member of the Tulane Board of Visitors and was chairman of the first (1937-54) New Orleans Personal Solicitation Phase of the annual fund. He is secretary-treasurer of the Crescent Bed Company, Inc., in New Orleans.

Class of '35 Has Unique Distinction

An interesting and certainly unusual commentary on the class of '35 is the fact that two of its members have left the profession to answer the call of their respective churches. The Reverend C. Julian Bartlett, Chemical Engineering '35, was ordained to the Episcopal priesthood on July 3, 1949. His first assignment was at St. Paul's Church in New Orleans. He is now Rector of St. Paul's Episcopal Church, Rock Creek Parish, Washington, D. C.

The Reverend Bartlett was formerly president of Bartlett Chemical Company in New Orleans. He has three children.

The Reverend Leonard R. Swinney, Civil Engineering '35, gave up the operation of R. E. Swinney and Sons, levee and drainage contractors in 1945 to enter Austin Presbyterian Theological Seminary, receiving the Bachelor of Divinity degree in 1948. In 1954 he received a Master of Theology degree.

The Reverend Swinney is pastor of the First Presbyterian Church of Homer, Louisiana, and has been Stated Clerk (secretary) of Presbyterian of Red River since 1951, which Presbytery includes the upper one-third of Louisiana. He is married and has two sons.

Suggestions?

The Tulane Engineer will be happy to learn your reaction to the paper, as well as any suggestions on material you would like included. Let us know what you and your fellow Engineering Alumni are doing.
Curricula Report
(Continued from Page 1)

It was stated that Tulane should lean more toward a basic and scientific type of professional education but certainly combine this with an adequate liberal education for all engineering students. The opinion was expressed that four years were inadequate for preparing a professional engineer and suggested that the possibility of extending the curricula to five years at some time in the future be considered.

The report expressed the belief that emphasis must remain on the development and improvement of the undergraduate curricula but stated that "strong graduate and research programs are necessary to attract top men to the faculty and certainly this is necessary to leading undergraduate curricula." The establishment of the Engineering Research Institute was commended.

The conclusion of the study reads as follows: "This report is intended to outline the sense of the major portion of the deliberations of the committee during the past year. As is obvious herefrom, the scope of the subject is quite broad, and to claim conclusive and comprehensive results from this limited study would be somewhat presumptuous. It is hoped that, if nothing else, the work of this committee has served to provoke an interest and concern on the part of more alumni in the problems of the Tulane Engineering School. Further pursuit of such deliberations on the part of the Society will certainly help promote the advancement of the school."

The report has been submitted to Dean Johnson, who has furnished copies to all members of the Engineering faculty. President Rufus C. Harris has also received a copy. In his acknowledgment he comments:

"It is a very stimulating report and shows that the committee has given much thought to the work of the School of Engineering. I find some good suggestions in it and I was pleased to see that the group regards the school's function as one of distinction.

"Let me thank you again and express the hope that you will tell the members of the Advisory Committee how deeply appreciative the University is for this work and for the time, energy and interest it indicates."

Research
(Continued from Page 2)

LEO L. HOLZENTHAL, a member of the Process Development Unit of the Engineering and Development Section, is presently engaged in the design of processes and equipment to remove foreign material from cottonseed and linters. A native of New Orleans, Louisiana, he received the degree of B. E. in Chemical Engineering from Tulane in 1933 and was engaged in a variety of engineering work with the U. S. Engineers at New Orleans before coming to the Southern Laboratory in 1943.

NESTER B. KNOEPFLER, a native of New Orleans, Louisiana, graduated in 1940 from Tulane with the degree of B. E. in Chemical Engineering. He held National Cottonseed Products Association Fellowship in Chemical Engineering Research at the Southern Regional Research Laboratory from February 1950 to October 1952. He joined the staff of the Southern Laboratory as a chemical engineer in the Engineering and Development Section in 1952.

HERMANN J. JANSEN received a B. E. degree in Chemical Engineering from Tulane in 1940. He joined the staff of the Southern Laboratory in 1941 and was initially employed in the development of processes for the improved utilization of sweet potatoes and vegetable oils.

ESMOND J. KEATING graduated from Tulane in 1942, receiving a B. E. in Chemical Engineering. His work involves chemical engineering research connected with the chemical modification of cotton, fiber, yarn and fabric.

EDWIN R. COUSINS received a B. E. in Chemical Engineering from Tulane in 1944. His efforts are now concentrated on two problems: the development of procedures for converting cottonseed and peanut oils into intermediates (dibasic acids) for industrial use in polymeric resins and lubricants, and the development of improved methods of refining rice oil by identification and control of the constituents responsible for excessive losses.

KENNETH M. DECOSASS, a native of New Orleans, graduated from Tulane in 1944 with the degree of B. E. in Chemical Engineering. He is now Supervisor of the Industrial Analysis Unit of the Engineering and Development Section.

By-Law Changes

At the fourth annual meeting of the Society of Tulane Engineers held at the University on Homecoming morning, November 6, 1954, the membership approved the following amendments to the Articles of the Association:

1. An additional officer shall be elected to the Executive Committee. This officer shall serve as chairman of the Publications Committee and shall appoint his own Assistant Chairman.

2. Two additional members of the Executive Committee representing the general membership shall be elected.

The membership also voted to increase the annual dues to $2.00 to meet the increased budget of the organization.

Over one hundred members attended this annual meeting, which was highlighted by a very interesting and "homey" address by former Dean James Robert.

McLellan Heads Club

Edward A. McLellan, M. E. engineering graduate in 1934, is president of the Engineers Club of New Orleans, whose quarters are in the DeSoto Hotel. Mr. McLellan operates his own manufacturers agency, McLellan Equipment Company, specializing in transmission equipment.