Report From The Dean

This issue of the Tulane Engineer carries the announcement that Professor Arthur M. Hill has left the University to enter industry. I know that his former students who number in the thousands as well as his colleagues here in the School of Engineering wish him every success in his new work. I join them in expressing to Professor Hill our deep gratitude for twenty-six years of service to the University and sincere appreciation of his loyalty and devotion during that time.

As Homecoming approaches, I should like to extend an invitation to our engineering alumni to visit the campus for the 1955 exercises on Saturday, October 29, particularly the annual meeting of the Society of Tulane Engineers to be held at 9:30 a.m. in the Engineering Building.

It was a pleasure to welcome many of our alumni to the campus for Parents Day on Saturday, April 23. It was estimated that close to one thousand parents attended, coming from as far away as California. They were welcomed by Mr. Herbert Jahneke on behalf of the Tulane Parents Committee and by President Rufus C. Harris. Then followed guided tours of the campus, visits to the various schools or colleges in which their boys and girls were enrolled, conferences with Professors, group meetings with the Deans, a luncheon at the Alumni House with a brief address by Dean John H. Stibbs, an ROTC review, and a number of other activities including tennis matches, Sigma Chi Derby Day, band rehearsal in McAllister, open house in the ROTC buildings and conferences (Continued on Page 4)

Major General E. S. Bres
Speaker at Annual Meeting

Major General Edward S. Bres, U.S. Army (retired), now living in Washington, D.C., is scheduled to be the principal speaker at the annual meeting of the Society of Tulane Engineers at Homecoming, October 29.

Born in New Orleans, Major General Bres was educated in private grade and high schools here. He received a B.E. in Civil Engineering at Tulane in 1910 and in 1931 the Degree of Civil Engineering. While at Tulane, he was a member of the varsity track team, Theta Nu Epsilon, Kappa Delta Phi and Delta Kappa Epsilon fraternities.

In World War I, Major General Bres was engaged in the Meuse Argonne in France and later commanded the 312th Engineering Combat Regiment. In World War II, he was awarded the Legion of Merit for exceptionally meritorious conduct in performance of outstanding services at Headquarters, U.S. Army of Supply. For a period he was commanding officer of one of General Douglas MacArthur's largest Southwest Pacific bases.

Always active in Engineering circles, Major General Bres sponsored the establishment of the Tulane section of the American Society of Civil Engineers and initiated the awarding of engineering scholarships to worthy students at Tulane and L.S.U. He was elected to the Board of Directors of the Louisiana Engineering Society in 1929 and served as its Vice President in 1934.

Annual Meeting Part of Homecoming Program

HOMECOMING—SATURDAY, OCTOBER 29

9:30 A.M. — SOCIETY OF TULANE ENGINEERS ANNUAL MEETING
Room 205, Engineering Building

10:45 A.M. — Annual Meeting, Tulane Alumni Association
Alumni House, 6319 Willow St,
Speaker, Howard (Continued on Page 3)
Help Wanted: More Engineers

(Reprinted by courtesy of the New Orleans Item)

Early in 1946, the government issued a pamphlet that predicted a surplus of engineers, since war industries were returning so many of them to civilian pursuits.

It was one of the “wrongest” pamphlets ever to come out of Washington. Few people knew it at the time.

In the early post-World War II period, no one could have predicted war industry’s renewed demand for engineers five years later, when we battled in Korea.

Perhaps it was just as impossible to foresee the extent of the nation’s economic Mt. Everest. Americans are spending as never before for mechanical products. Competition is torrid; quality counts, and that requires top engineering.

New fields are demanding more and more engineers—electronics, peacetime atomic energy, automation.

The result is an acute shortage of the men who can convert ideas into actualities for our hyper-active industries.

Predictably, industries are in competition for engineers.

The firm that is out to lure its chosen man away from another job calls it “recruiting.” The company that loses the valued individual calls it “piracy.”

We read in business publications that salary is no longer the clinching argument when a company sets out to hire away somebody else’s engineer.

The pay scale is ‘way up anyway, and inducements other than mere money can often land the prospect.

Some of these are rent-free homes in swank neighborhoods, free memberships in “toney” country clubs, guarantees of “creative” instead of merely routine work.

The engineers’ millenium may end when thousands of new engineers begin to graduate from college.

Mystified industrialists say this isn’t going to happen as soon as one might imagine. Schools of engineering are generally far from being overcrowded. It seems likely, though, that sooner or later supply must catch up with demand, just as in most other things in our economic system. In the meanwhile, though, the engineers-in-being aren’t hurtin’.

The above editorial appeared in the September 1 edition of the New Orleans Item. This critical shortage of engineers and others trained in the sciences was also highlighted in the summer edition of The Tulanian in an article written by Mr. Elliott Hebert entitled “Crisis in the Classrooms.” Although many of our readers have read this article, we quote from it in the hope that all our alumni will be duly impressed with the very real seriousness of the situation. It is earnestly suggested that all of us do everything we can to influence young men in our communities to give serious consideration to the engineering and scientific professions.

Mr. Hebert writes:

“A few weeks ago at Tulane University a young girl rose before other members of an honorary physics society and made a sincere, deep-felt statement.

‘I am the only physics major in my class at Newcomb College. We should begin worrying. It is time to do something about the situation. I think we should make a visit to the high schools and try to encourage students into our field.’

“The following week, with equipment borrowed from the Tulane physics laboratory, the society staged several experiments for the seniors at a New Orleans public high school. It was part of a last ditch stand against a serious national problem.

“Ever since 1950 the pool of available new technical talent in the U.S. has been drying up at an alarming rate. Industry has joined the crusade to help lead elementary and high school students into the vacant classroom chairs. Educational authorities feel that if engineering and science are fully explained to pupils and students then the downward slump in enrollment will be headed off.

“Last month, throughout the nation, millions of teen-agers received their high school diplomas. How can they be told of the future awaiting them in technical studies?

“This much should be common knowledge: the pay is higher, the demand for talent is greater, security is more stable, and the chance to benefit mankind is promising.”
Nominating Committee Reports

The nominating committee for the Society of Tulane Engineers submits the following names as officers of the 1955-56 term:

President—Bernard A. Grehan
1st Vice President—Lyman L. Ellzey
2nd Vice President—Joseph R. Mooney
Secretary—Thomas A. Fromherz
Asst. Secretary—A. J. Brodtmann
Treasurer—Henry L. Hammatt, Jr.
Asst. Treasurer—Edward A. McLellan
Publications Chairman—John L. Martinez
Executive Committee
Member at Large—Ernest W. Beck, Jr.
Executive Committee
Member at Large—William Stone Leake

Nominations may be made from the floor at the annual meeting and general election.

Speaker—
(Continued from Page 1)

Also active in things Tulane, he was first a member of the Executive Committee of the Alumni Association, later its Secretary and in 1941-42 its President. Major General Bres is now retired, but continues to take a prominent part in public affairs. In 1954 he was appointed by the District of Columbia commissioners to a citizens’ committee to develop a new housing code for the nation’s capital.

We are happy to have Major General Bres back with us, if only for the day.

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.

Dufour Manager of Development

Freeport Sulphur Company announced the start of construction of a pilot plant near New Orleans to study a new process for the extraction of nickel and cobalt from Cuban lateritic iron ore.

If the project proves successful, a large nickel-cobalt refinery will be built with a planned capacity of 50 million pounds of nickel metal and three million pounds of cobalt metal annually.

The undertaking is headed by Maurice F. Dufour, Tulane ’31, assistant vice president and manager of development for Freeport. A native of New Orleans, Mr. Dufour joined the company in 1933 after completing postgraduate work in chemistry. Between 1943 and 1947, Mr. Dufour was assistant general manager and then general manager of Freeport’s nickel mining plant which was then in operation at Nioico, Cuba.

The ore deposit which will supply the new project is located at Mon Bay in Oriente Province. It was discovered by Freeport in 1952 and is believed to be one of the most important proven sources of nickel available to the free world outside of Canada. It contains an estimated 40 million tons of ore averaging 1.35 percent nickel and .14 percent cobalt.

Prof. Hill—
(Continued from Page 2)

membership in Tau Beta Pi, national honorary engineering society.

Very many of our engineering alumni have had the opportunity of sitting in Professor Hill’s classes either in general engineering courses or in mechanical engineering courses. He has left behind him many warm memories among the host of his former students.

Home Coming—
(Continued from Page 1)

K. Smith, Chief of European Staff, Columbia Broadcasting System
12:30 P. M. — Alumni Luncheon
Alumni House
2:15 P. M. — Homecoming Football Game
Tulane vs. Auburn
4:00 P. M. — Open House
Alumni House

ANNUAL DUES $2.00
SOCIETY OF TULANE ENGINEERS
P. O. Station 20
New Orleans, La.

Name ________________________________
Last ___________ First ___________ Second ___________
Branch of Eng. ______________________
Mailing Address ______________________
Business Address ______________________
Home Tel. ______________________
Bus. Tel. ______________________

(Continued from Page 1)
Dean’s Report—
(Continued from Page 1)
with the officers, and open house in
the dormitories.

Over one hundred and fifty parents
of engineering students pre-regis-
tered. Engineering students served
as guides for small groups and took
them through the Tulane Engineering
Review which was staged that Satu-
rday morning in conjunction with
Parents Day.

A special scholarship in the memory
of Selina Elizabeth Bres Gregory was
established by the Woman’s Auxiliary
to the Louisiana Engineering Society,
for 1954-55. Mrs. Gregory was the
wife of Professor William Benjamin
Gregory and the founder of the Woman’s Auxiliary.

It is a pleasure to announce that
another student in the School of
Engineering has been awarded a Na-
tional Science Foundation scholar-
ship. Mr. William W. Lemmon a
senior in electrical engineering, has
received a Fellowship Award for
1955-56. Mr. Robert Weaver, a
graduate student in chemical engi-
neering, has held such a Fellowship
this year.

A “Schulmberger Collegiate Award” in the amount of a scholar-
ship of $500 with a like amount as a contribution to the University has
been granted to Tulane for the sec-
time in 1955-56. The award has
been held this year by Mr. James A.
Frosh, a junior in electrical engi-
neering. Students in electrical, me-
chanical, or petroleum engineering,
physics or geology are eligible for the
award. Also, a student must be
planning to complete twelve hours of
study in electricity prior to earning
his undergraduate degree. The award
has been made by the Schulmberger
Foundation of Houston, Texas re-
cently established by Mr. Pierre
Schulmberger, President of the
Schulmberger Well Surveying Cor-
poration.

Procon, Inc. of Des Plaines, Illinois,
has also granted a $500 scholarship
to a senior in civil engineering for
1955-56.

The Dow Chemical Company has
announced that they will continue
their Fellowship grant to the Depart-
ment of Chemical Engineering. The
Ethyl Corporation of Baton Rouge
has also offered the Department a
Fellowship for 1955-56.

Technical Information Center
Being Considered

Spurred on by the entry of new in-
dustry and expansion of existing in-
dustry in the Gulf-South area, a plan
is now being considered to provide
in New Orleans a complete and mod-
ern Technical Information Center. A
Tulane University Committee with
Dr. Lee H. Johnson, Dean of Engi-
neering, as Chairman, has been work-
ing with an Industry Committee
headed by Mr. John R. Tussoros,
(Chemical Engineering 1942) as Co-
ordinator toward the establishment of
such a Center.

At this stage the extent of Tul-
ane’s participation has not definite-
ly been established. Much informa-
tion is currently in the engineering
and science sections of the Howard-
Tilton Memorial Library at Tulane
but it is believed that the present
collection can well be enlarged for the
benefit of students, faculty, and local
industry.

The foundation of such a Center to
serve industry in the South will go a
long way toward insuring the future
growth of those industries already
in the area and will provide addi-
tional incentive for expanding industries to locate in this section. The accumu-
lation of technical information is vital
to industrial progress, and the
establishment of a method of obtain-
Such information of all types is
high on the priority list of industrial
managers and educators.

Job Opportunities

Alumni who are returning from
service with the Armed Forces and
others who may be interested should
communicate with Mr. Johnie Branch,
Placement Director for Tulane, who
is advised of all requests for engi-
ners which come to the University.

In addition to a Technical Library,
many related services could be of-
fered by the Center, including elec-
tronic methods for recording, trans-
mitting and receiving information,
microfilming and other reproduction
facilities, map services, a current
events service, library research ser-
vices, consulting services and technical
public relations. Other services as
they are found desirable by the co-
operating industries could be added.

The proposed Center is a method of
obtaining maximum technical infor-
mation at minimum cost through the
cooperation of industry and educa-
tion.

Financial Statement
OCT. 31, 1954—SEPT. 15, 1955
Carried forward from
1953-54 $236.60
Dues for 1954-55 917.00
1153.60

Disbursements 1954-55
Printing $334.94
Postage & Mailings 237.72
Services 34.50
Miscellaneous 3.54
610.70

Cash on Hand,
September 15, 1955 542.90
ROBERT H. BOH

New Innovation

This term for the first time the
School of Engineering has initiated
an orientation course in teaching and
training methods which will be given
to all new professors and teachers in
the School. The course will fill a long
felt need.

SOCIETY OF TULANE ENGINEERS
P. O. STATION 20
NEW ORLEANS 16, LA.

Mr. Gerardo Lopez,
Tokio 52, Col. Juárez
Mexico, D.F., Mexico.