Lunch Forum Hosts Polish Ambassador

The ambassador of the Polish People's Republic to the United States, Jerzy Michalowski, will visit the Caltech Campus next Wednesday. Present plans are for a talk before the Athenaeum Luncheon Forum, coffee hour at 4:00 in the YMCA lounge, dinner at Debye House, and discussions afterwards in Debye House Lounge. Ambassador Michalowski is also Poland's permanent delegate to the United Nations. He was Under-Secretary of State in the Ministry of Education during 1954-55.

Arrangements for his visit were made by the YMCA through President DuBridge's office.

Announcements

PERSONALITY TESTS
Dr. John Weir has announced that students who have not taken the special series of personality inventory exams may take them at any time in 118 Throop. Weir points out that students who have not taken the exams can still provide valuable information to the administering psychologists.

HONOR KEYS
Applications for Keys and Honor Certificates must be turned in to Gene Cordes by 5:00 p.m. Monday. Applications may be left in the "C" box in Ricketts.

An Interview With Dean Strong

Dean Discusses Tech Personalities

"Too many freshmen just don't want to work," believes Dean Fuster Strong. "Even though many come here with good intentions, the Dean of Freshmen, when asked by the California Tech for his general impression of the freshmen class, emphasized that many freshmen tend to rely too much upon imputation and previous knowledge. As a result they are unable to translate their good intentions into effective performance.

"What Tech wants and needs most, according to the Dean, is 'the guy who's going to do something. We don't care if he's an oddball or if he has ideas that are a bit different from the conventional, so long as he has plenty of drive and so long as he does something with his capacity.'"

In discussing the ways in which a student's personality is developed here at Caltech, Dean Strong feels that there are few common denominators — that there are really as many different examples as there are students. However, he does feel that the student houses have much to do with development, and that it would be highly desirable if every student could live in one of the houses.

Strong believes that "Some freshmen are socially slick, and they need to be drawn into participation in student activities." In this line of reasoning, student organizations, especially those that are involved in social activities, are good. It is up to the individual student, according to the Dean, to determine whether he should participate in the line between his academic and social life.

However, he stated, there is one danger inherent in student houses. That is, the loyalty to the house may be emphasized to the detriment of loyalty to the school.

"The house system sometimes tends to lower school spirit and tends to make the student houses as an entity take on the status of a regular college, in this way losing its essential function..."

Two Appointees

Two Appointees for Student Government

Robert G. Chevlin, a senior in Electrical Engineering, and Robert J. Perla, a senior in Chemistry, have been appointed to the Student Government. The two appointees were recommended by the Executive Committee and approved by the Board of Trustees. The two appointees will serve until the end of the academic year.

Four Officers On Agenda

Four Officers to be elected at the next Board meeting on Tuesday, January 12, are:

President: Richard H. Nolte
Vice-President: George H. Barger
Secretary: Kermit H. Kraft
Treasurer: Robert J. Perla

Two Appointees

Two Appointees for the Executive Committee

The Executive Committee appointed two new members on Monday night: William D. Davis and James W. Turk. They will serve until the end of the academic year.

Clarence B. Randall

Clarence B. Randall, special adviser to President Eisenhower on foreign economic policy, will arrive on campus Monday night, after attending meetings in the Y's Leaders of America program.

Randall's two-day agenda provides numerous opportunities for meetings with interested students. He will begin his visit by speaking to the Econ 100 class. At noon, Monday, he will have lunch in Flinn and visit in the lounge. He will meet with students at the Y's Back Lunch Club. Randall also expects to hold meetings with students who have not taken the exam.

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For more on Randall, see pages 4 and 5.

Clarence Randall

Clarence Randall, special adviser to President Eisenhower on foreign economic policy, will arrive on campus Monday night. He will begin his visit by speaking to Econ 100 class, which meets on Tuesday evening. Randall plans to hold meetings with students who have not taken the exam. He is scheduled to have lunch in Flinn and visit in the lounge on Monday afternoon. During this time he will hold meetings with students who have not taken the exam.

Randall will complete his visit to the houses with dinner at Biltmore Monday evening. He will give an address in Biltmore Hall on Tuesday evening.

Open House Continues Stay

Open house at the home of Dr. George Beadle will conclude his stay. Everyone from the campus is invited to this informal meeting to get a last chance to visit Randall personally.

The Y's Leaders of America Program will bring several more national and international personalities to Tech this year. Financed by a donation of Dr. R. A. Millikan, this is the program's third year. Its purpose is to bring important men from government, business, religion, and other fields to visit the campus each year.

MOBILGAS JAUNT SET

Preparations for the 1958 Mobilgas Economy Run have begun. This year's Mobilgas Economy Run will be held as Official United States Automobile Club observer. The destination of this year's Mobilgas Economy Run was the Broadmoore Hotel, Colorado Springs, Colorado, and in 1957 it was Run Valley, Idaho. The destination of this year's Economy Run has not yet been announced. However, it is known that the Mobilgas Economy Run has been held in various locations, including Los Angeles and San Francisco. It is expected that the event will be held in another location this year.

Application Forms Available

Those interested in participating in the Mobilgas Economy Run should fill out the application forms available from Mrs. Toy in the Mechanical Engineering Office, room 204 Engineering. Students not yet 21 years of age must also obtain a release from their parents or guardians. Students with academic records which the Deans do not consider satisfactory will not be allowed to participate. All applications should be completed before February 15, 1958.

Jim Workman is Chief Observer this year.

Beckham Hosts Randa

BOD Formulates New By-Law Amendment

Two-Day Visit

2-Day Visit Planned For First Leader

Clarence B. Randall, special adviser to President Eisenhow-
Editorial

Amendment: A Weak Step
In The Right Direction

The recent hubbub over ASCIT reorganization, which culminated in a BOD-sponsored amendment (see pages 1 and 6), was instigated by a desire on the part of student leaders to have ASCIT perform less as a service organization and more as a forum for coordination and integration of all Caltech activities.

The proposed amendment to the By-Laws recognizes this desire, and possesses 2 points which are not disputed:

1. It creates a new committee and charges it with the responsibilities of the present Board of Directors.

2. It retains the present Board of Directors as an elected group to conduct corporation activities.

These provisions are the most important in the opinion of all those who worked on the problem, and they are sufficient improvement to merit passage of the amendment.

As an organ for coordination and integration of all Caltech activities, the Board, however, voted down these objections. Although the Board accepted the present scheme. However, since it is generally agreed that the Executive Committee should have little trouble in winning policies to the Board of Directors, the actions of the Executive Committee are not final. The only apparent reason for requiring the Board of the BOD to remain as nearly as possible the same group.

1. The President of the student body is to act as chairman of the Executive Committee. We feel that he will tend to relieve business matters to the Executive Committee, which will hamper the Committee's ability to deal with student problems. However, the Board felt that having a separate chairman would create a double of responsibility in certain fields.

2. The Executive Committee has only the power to recommend to the Board of Directors. The actions of the Executive Committee are not final. The only apparent reason for requiring the Board of Directors to remain as nearly as possible the same group.

1. The President of the student body is to act as chairman of the Executive Committee. We feel that he will tend to relieve business matters to the Executive Committee, which will hamper the Committee's ability to deal with student problems. However, the Board felt that having a separate chairman would create a double of responsibility in certain fields.

2. The Executive Committee has only the power to recommend to the Board of Directors. The actions of the Executive Committee are not final. The only apparent reason for requiring the Board of Directors to remain as nearly as possible the same group.

3. Four Board members will serve on the ExComm (the new abbreviation) along with two other members. We fear that this predominance of Board members, who will have at least 3 at least one meeting a week and frequently three or four, will also tend to limit the range of discussion. It was generally agreed that the President and Vice-President were vital to the group, but many of us feel that the inclusion of the Secretary and Treasurer will unnecessarily cause the group to become less free-thinking and more closely allied to the BOD.

We would have liked to have the ExComm limited to three Board members at most, with two or four spots filled from outside the Board.

4. The remaining ExComm members will be appointed by the other members of the ExComm. We feel that this will result in the last bastion of the BOD. The proposal then arranges that the group be completely dominated by the Executive Committee.

Against the feeling that the wrong men would be chosen at an election, the following points were raised to support an election:

(a). An election would force candidates to think very deeply about general student problems.

(b). An election would provide an opportunity to bring discussion of these problems before the students.

(c). An election would provide healthy constructive criticism of ASCIT policies, and thereby inject vitality into the system.

(d). An election would give the students a more direct voice in the determination of policy.

The Board, however, voted down these objections. Although we feel that the proposal fails for short of what had been hoped, we recommend that it be adopted. It is at least a step in the right direction and worthy of a chance to prove itself.
DuBridge Gives Report
Covers Enrollment, Research Expansion
The need for expanded facilities for higher education in the near future was stressed by Caltech President Lee DuBridge in his annual report to the Board of Trustees, which was released Monday. The number of young people who will reach college age in that period is so large, he said, that it may result in a doubling of college enrollments by 1972.

For Caltech, DuBridge stated, the problem is compounded by the shortage of scientists and engineers. "Yet we have our undergraduate enrollment more than ten per cent in the next decade and our graduate enrollment not more than fifty per cent," DuBridge concluded.

Reasons for Decision
DuBridge stated two reasons for Caltech’s decision. First, the Institute’s physical plant is still incomplete, and further expenditures required to bring its facilities up to the needs of the present faculty and student body. Second, an increase in the number of students would tend to lower the quality of the education provided to each.

Also included in the report were figures which showed that Caltech finished the year without a deficit, and a list of contributors for current operations.

All Research Covered
Reports were submitted by all departments of the university covering all parts of research and installation will be in operation by the end of 1958, the report said. A new project is being established to study the nuclear processes which occur in stars and the way in which these processes result in the formation of chemical elements. Biologists have developed a new method of determining the density and molecular weight of nucleic acids, and have freed a new strain of tomato plants which may be grown in warm climates.

Mental Disease Research
Most of the research in chem-
istry is devoted to the study of mental diseases which result from molecular abnormalities. The engineering department is studying the fine structure of alloys and has developed an electron X-ray microscope which permits analysis of an area as small as 1/50,000 of an inch.

Geologists have studied how mineral deposits were accumulated as an aid to finding more deposits; they have also done research on the causes of earthquakes. The synchrotron has made it possible for physicists to make additional experiments on unstable particles in atomic nuclei. A large new cloud chamber is also being built.

Lee A. DuBridge

Kirk Sets Nominations
Next Week
Office Titles Await Ballot
Nominations for all ASCIT offices will be conducted next Thursday at 11 a.m. in a corporation meeting, unless only one candidate has been nominated for an office. In this special case the by-laws provide that nominations remain open for one week.

The national office of ASCIT must be under 100 words and must be submitted by 7 p.m., Monday, Feb. 27. Under no circumstances will statements received after this time be published. The ballot will assist candidates who find their profile is not adequately covered in the required number of words.

Nelson Riddle Signed For Winter Formal
The Crystal Ball Room of the Beverly Hills Hotel was the setting for the music of Nelson Riddle. The ASCIT First Date has been nominated for an office. It will be held next Thursday evening, February 20.

Dr. DuBridge was the principal speaker at the final baccalaureate session, where he discussed "Education in the Age of Science." Harrison Brown was the chairman of a panel discussion on "The Scientific Revolution: Challenge and Promise." Sponsored by President

The national conference is sponsored jointly by the University of California's Committee on Human Resources and the California Institute of Technology. It is held at Yale University last Monday and Tuesday, with the three men taking an active part in an examination of "America's Human Resources to Meet the Scientific Challenge."

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On Campus Interviews
February 19
Meeting 119K, 4:30 p.m.

Kirk Sets Nominations Next Week
Office Titles Await Ballot
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The nature and titles of the offices to be elected will be decided in Tuesday’s balloting on a proposed amendment to the by-laws.

Campaigning usually includes statements in the California Tech, speech at luncheons, posters, circulated literature, and participation in the election rally.

All candidates must be nominated at the corporation meeting, unless only one candidate has been nominated for an office. In this special case the by-laws provide that nominations remain open for one week.

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Lee A. DuBridge
Clarence B. Randall - Leader Of America

Clarence Randall, currently assistant to the President in the area of Foreign Economic Policy, will be the guest of the Caltech YMCA this coming Monday and Tuesday.

Proud As Punch
Not a newcomer to our campus, as many of the older members of our community will remember, Randall delivered the commencement address to the Class of 1906. At that time the enthusiasm shown by those who met him was even greater than that expressed by Randall in the opening words of his address: "I'm just as proud as punch to be here today."

His interest in and enthusiasm about Caltech have again been restated in his willingness to give of his time to the student body here.

Randall, in his commencement address, went on to make the point that the final test of the educated man is the use to which he puts that education. If one were to apply that test to Mr. Randall one would find a man who has made a brilliant contribution to his community, his state, and his country, as well as to private industry.

Phi Beta Kappa
Randall was born at Newark Valley, New York, in 1881. He graduated Phi Beta Kappa from Harvard in 1902, and received his Law degree there in 1915. His practice of law then began in Ishpeming, Michigan. From 1917 to 1919 he served as an officer in the Army, and spent a part of his time with the American forces in France.

After returning from World War I Randall reopened his law practice and continued it for six years. Then, at the age of 34, he became Assistant Vice President of the Inland Steel Company. He became a Vice President in 1920, a Director in 1926, and in 1940, President. He also served for three years as Chairman of the Board of Directors. He is presently Director of Inland Steel, which, by the way, is the seventh largest steel producer in the nation. The company has carried out a vast and continuing expansion program over the past twenty-five years. Randall has been instrumental in guiding this program.

Sets Example
The above paragraph, however impressive, highlights only a part of Randall's career. Even more important is the work he has done for the Government since the late 1940's. Since then he has given about half of his time to work in various government offices. After having gained knowledge and experience in his private career he has sacrificed the extension of that career to devote his time to public service. This is an example that could well be followed by the many national leaders in private enterprise who find time only to criticize the current administration.

Randall believes that there exists no "they" who conduct the affairs of our government. Rather, it is the duty of every able person to set aside some part of his life to give service to his community, his state, or his federal government.

In 1948, putting into practice his convictions, Randall became the first Steel Consultant to the R. C. A. In Paris. From 1950 to 1957 he served on the Department of Commerce Advisory Council.

Visits Turkey
In 1950 and in 1956 he led the Special U. S. Mission to Turkey, to help determine U. S. policy toward that country. He can look with pride on the fact that Turkey has a sound basis for future economic and industrial development, and that she is our staunchest ally in an otherwise troubled Middle East.

From 1953 to 1954 he served as Chairman of the Commission on Foreign Economic Policy. And in 1954 he became Consultant to the President in the field of Foreign Economic Policy. In 1956 he assumed the offices which he presently holds, Special Assistant to the President in the area of Foreign Economic Policy, and Chairman of the Council on Foreign Economic Policy.

Active Writer
While being extremely active in the fields of industrial management and economic policy, Randall has made a brilliant contribution to his community, his state, and his country, as well as to private industry.

MOST POPULAR GAME that ever went to college—that's Sticklers! Just write a simple riddle and a two-word rhymer answer. For example: What's a big cat shot full of holes? (Answer: peppered leopard.) Both words must have the same number of syllables—bore fresh, fluent truant, vinery finery. Send Sticklers, with your name, address, college and class to Happy Joe Lucky, Box 67A, Mt. Vernon, N. Y. Don't do drawings! We'll pay $25 for every Stickler we use in our ads—and for hundreds that never see print. While you're Stickling, light up a Lucky, you'll say it's the best-tasting cigarette you ever smoked!

Feelin' blue? Need money, too? Students, we've got news for you!

RANDEL'S SCHEDULE
MONDAY
11:00 a.m. LECTURE, Economics 100
12:00 noon LUNCH, Fleming
3:00 p.m. DISCUSSION, Grad Sack Lunch Club, YMCA Lounge
6:00 p.m. DINNER, Blacker
9:30 p.m. MEETING, ASCIT Board of Directors, YMCA Officers, Visit Committee
TUESDAY
9:00 a.m. LECTURE, Economics 2
12:00 noon LUNCH, Dabney
3:00 p.m. OFFICE HOURS, YMCA Lounge
6:00 p.m. DINNER, Ricketts
7:30 p.m. ADDRESS, Dabney Hall
9:00 p.m. OPEN HOUSE, home of Dr. George Beadle
Clarence Randall

(Continued from page 4)

Randall has found time to study and reflect on the values which underlie our contemporary industrial society. His books reflect a range of problems to which he has made valuable contributions. His novel, "A Credo for Free Enterprise," discusses with the force of Randall's sincere convictions subjects as the influence of labor unions in our society, the position of the businessman in support of his form of enterprise, major requirements that should be considered in hiring college graduates and how they should be trained to assume positions of leadership, and some suggestions on how to keep thinking while worrying about the daily problems of business.

Opposes Communism

"A Foreign Economic Policy for the United States," was a result of the time he spent as consultant to Paul Hoffman at the time of the founding of the Marshall Plan. Originally, the book was given as a series of lectures at the University of Chicago in 1954. It outlines the path of our economic policy and that of other free nations must follow in order to successfully compete with, and eventually overcome, the Communist doctrine. He describes the forces of liberalization of trade and currency exchange which will work in the favor of the West, and how these forces are opposed within our society. His other books include: "Civil Liberties and Industrial Conflict," "Freedom's Faith," and "Over My Shoulder."

"Man of the Year"

Among the awards which have been bestowed on Randall are: National Association of Manufacturers "Man of the Year" for 1952; American Iron and Steel Institute Honorary Citation awarded in 1952 for "conspicuous and courageous service to the steel industry and broadly to all private enterprise in this country in a time of severe stress"; National Sales Executives "Business Statesman of the Year" 1954; Freedoms Foundation Awards for each of the articles "Free Enterprise Is Not A Hunting License," "Freedom's Faith," and "The American Pharisee"; Tau Kappa Alpha "Speaker of the Year Award," 1952. Universities that have awarded him honorary degrees include: Northeastern, University of Michigan, Brown, Dartmouth, Harvard, Northwestern, and Amherst Colleges.

As indicated by his letters, Randall will arrive on our campus ready to submit his ideas to a scrubbing by the minds of any students who wish to talk with him. The students, in turn, will find his ideas extremely thoughtful, well founded, and defended by one of the most articulate of our national business leaders.

Elsewhere in this paper appears the schedule of Randall's appearances on the campus. Each student should certainly be able to find at least one time when he can meet with this important business and government leader and learn of some of his valuable and thought provoking ideas. His speech on Tuesday evening, though not a formal address, should prove to be one of the highlights of the cultural opportunities offered throughout the year on our campus. Attending this address and meeting Randall personally will be more than worth the small effort required.

The Elliott Manufacturing Co.
552A Cornell Drive
Arcadia, California

PRODUCT RELEASE

BULLETIN:

Craig T. Elliott
President and Chief Engineer
Patricia C. Elliott
Vice-president in charge of production

Product release date: 11:22 p.m., 2 Feb. 1958

Product Title: Kevin Covington


General description: Cute as a bug's ear!

Manufacturer's note: Product must be seen and heard to be fully appreciated. Viewing: 9:00 a.m. to 11:00 p.m. at manufacturer's home office after 23 Feb. 1958.

(End note: Congrats, C. T.)

SENIORS AND GRADUATE STUDENTS
IN ENGINEERING

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February 17, 18, 19

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Reserve your career decision until you have talked with the Douglas representative. It may be the most important interview of your life.

SEE YOUR DIRECTOR OF PLACEMENT
FOR YOUR INTERVIEW APPOINTMENT

Clarence Randall

ARAB POLICY

(Continued from page 1)

ut, observing and reporting on Middle East cultural, social, economic and political developments. He has studied at Yale and Oxford and served in the Navy.

"If we were to learn from our past failures to endorse the constructive Arab aspirations, I believe our losses could be regained," he stated. "But as long as public ignorance and apathy reign, as long as the State Department suppresses imaginative measures to avoid the criticism of the American people, the spectacular success of the Russian Middle East policies will continue."

AMENDMENT

(Continued from page 1)

desirable, it would be safer to make the position appointive for the first year, after which the Executive Committee will reconsider the question.

The amendment (see text on page 6) will now be placed before the student body at an election to be held next Tuesday. In recommending this amendment to the student body, the Board of Directors felt that this plan would answer the objections raised last week by the sponsors of the revision petition.

"You can't go wrong looking for a job these days," he assures you. "Opportunities are great all over. All the good companies have about the same to offer."

Do they? A lot of not-so-trusting souls think otherwise. They suspect that some companies have much more to offer than others, and they want to find out which those are.

We'll help. We want to tell you how much the Bell Telephone Companies offer in the way of advancement opportunities, training, pay and benefits, professional associates and working conditions. No matter what your educational ground—be it the arts, the sciences, business or engineering—we make a date to talk with a Bell interviewer when he visits your campus. You can also get information about the careers these companies offer by reading the Bell Telephone booklet on file in your Placement Office, or by writing for "Challenge and Opportunity" to:

College Employment Supervisor
American Telephone and Telegraph Company
195 Broadway, New York 7, N. Y.

BELL TELEPHONE COMPANIES
Description of ASCIT Offices

As a member of the Executive Committee he, like the vice-president and secretary, should have experience in student activities and the desire to guide the overall policies of the student body.

The Business Manager

The business manager supervises the ASCIT office and the publications. He is also responsible for releasing undergraduate publicity. A background in publications is helpful in conducting this job, but an interest in student body activities and the ability to carry them out is more important.

The Athletic Manager

The athletic manager recommends athletes for awards, presents the awards dinners, and buys all awards. He should have some background in the undergraduate athletic program.

The Activities Chairman

Since the activities chairman is responsible for coordinating many of the ASCIT functions such as rallies, cheerleaders, band, etc., he must be able to work with people. He must have some background in all and all student body opinion to present assemblies as well as fulfill the duties of his office.

The Social Chairman

The social chairman's main duty is to conduct the social program of ASCIT. This office demands imagination as well as the ability to conduct Homecoming, which requires the ability to coordinate several people working on different events.

The Representative-at-Large

The representative-at-large is elected to the Board by the class, and should be a person who can get things done as well as consider the programs of the student body.

The Treasurer

The treasurer is responsible for ASCIT's financial condition.

The major discussion at last Monday's Board meeting was the proposed amendment to the ASCIT By-Laws as submitted by an ASCIT committee. The amendment was generally accepted with one exception. That exception was the question of whether the new members of the corporation would have the two-year term, and adding another election after House elections would have a bad effect on the House elections. Also, appointment of the officers might bring into ASCIT some qualified people who would not otherwise be active in ASCIT affairs.

Finally, it was decided that this point should be more fully discussed in the committee.

Tuesday noon the committee reported to the Board that their recommendation was that the two members of the Executive Committee be appointed, but that next term the Executive Committee (if one is to be considered) should be elected from the student body.

The Board accepted this recommendation and the proposed amendment will be put to a student vote on Tuesday, February 11.

Michael Godfrey
ASCIT Secretary

Secretary's Report

Proposed Amendment

SUPPORTING STATEMENT

The basis for the proposed amendment was that the corporation and the shareholders that their officers would be good a number of defects in the present operation of the ASCIT government. It was felt that many of these defects stem from the fact that the corporation is concerned in many areas and with overall policies or long-range problems. This condition has brought about lack of coordination and ineffectiveness in providing services for the student body.

It was also realized that the duties of the present fall with the annual election years, were assigned in a most haphazard way.

It is for these two major reasons that the Board has drawn up its present proposal. This is admitted to be a conservative step in that the executive function of the ASCIT is changed in only a few respects. This change may be either an advantage of more or less retaining the present organization which has in the past provided services to the corporation offices and all corporation property. He shall be responsible for the issuance of official new release concerning corporation.

This proposal should, then, help to provide the services to the students as a result of a more nearly uniform and clearly thought out set of policies. This will clearly help the ASCIT to provide services for the students and will enable the corporation to function with respect to the outside world.

TEXT OF AMENDMENT

The following amendment to the corporation by-laws was proposed by the Board of Directors on Tuesday, Feb. 3. Balloting will be conducted (Continued on page 6)

TUESDAY, FEBRUARY 6, 1958

Page Six

T H E  C A L I F O R N I A  T E C H

AS C I T N O T I C E S
**Pit and Paddock**

by Larry Cressman

We got back into the old grind last weekend and wound up at Kraus Motors here in Pasadena serenading material on Porsches. The sales manager was most cooperative and even wheeled out his personal convertible for us to photograph.

It seems that the designers of this German masterpiece had a bit too much of that good brew that is available in Europe. When it came to designing the exhaust system they made the pipes come out the bumpers a la Detroit. To the enthusiast this is a crying shame but it will probably sell cars. A really good-looking hard top optional for $225 is available on the new models.

The steering on the Porsche is even quicker than on most sports cars, requiring only 2.2 turns lock to lock.

Good news for those worried about servicing is the new stand-by crankshaft on the Super engine. The old roller bearing shaft was an engineering masterpiece, but repair bills mounted like the Jupiter C when work was done on it. Other mechanical improvements include Zenith carbs and a better clutch.

According to Sports Cars II, the $3215 for a Speedster 1600-60 and a 107.6 mph top end. This German masterpiece had a top speed of 98.1 mph. The latest prices quoted were $6215 for the Convertible Speedsters, and the new stand-by crankshaft on the Super engine. The old roller bearing shaft was an engineering masterpiece, but repair bills mounted like the Jupiter C when work was done on it. Other mechanical improvements include Zenith carbs and a better clutch.

The New Porsche is a German masterpiece.

But You Don’t Understand...

From “A Guyer Note” by Dixon Guyer, in the Garden Grove News, Garden Grove, California.

Rah, Rah, Atom Splitter--Dr. Lee DuBridge, president of the California Institute of Technologo, has issued a plea to America to give prize science students the same acclaim they now re- serve for football heroes and beauty queens.

On behalf of organized American football and beauty queen watchers, I protest that Dr. DuBridge has not thought this thing out carefully. It is hard to stand around a stuffy old laboratory saying, "Rah, Rah, Rah, Rah, Rah, Rah...the atomic physicist, Easterly, to the rescue!"

It doesn’t work out that way. One must have competition, crowds, school colors, razzmatazz and jazz, chrysanthemums and carnations. It’s got to have stage. But it can be worked out, with a little ingenuity.

We start out right up there in the Rose Bowl, which is close to Caltech, and have our first interschool science clash there. Here’s how it goes. We invite another science school, i.e. MIT, to participate. Before I go on, how does all this strike you so far, Dr. DuBridge?

The best straight man was Robbie Snaildork. “Robbie,” said Beak, “you know that girl that gave you the flash for the last four times in a row?”

“No,” Robbie knew.

“Good idea,” says Robbie. “I think I’ll call her up right now.”

Robbie grabbed a water glass and stuck it up against the wall so as not to miss the conversation. Down goes the dime in Bell’s slot-machine and a soft voice says “Hello.”

“Hello,” says Robbie. “This is Robbie Snaildork.”

“Oh,” you know Robbie Snaildork, God’s gift to women and all that sort of rot.”

“Well! Well! I want to give you the benefit of going out with such a sterling lad as myself.”

“Well, Robbie, I’d love to, but first I think I ought to tell you something. Are you engaged or sitting down?”

“No.”

“Well, I’m engaged and I thought you ought to know.”

There was a long silence.

“Oh well, that’s nice, ah, good bye.” Click.

Easterly’s all right!”

One must have competition, crowds, school colors, razzmatazz and jazz, chrysanthemums and carnations. It’s got to have stage. But it can be worked out, with a little ingenuity.

We start out right up there in the Rose Bowl, which is close to Caltech, and have our first interschool science clash there. Here’s how it goes. We invite another science school, i.e. MIT, to participate. Before I go on, how does all this strike you so far, Dr. DuBridge?

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Gentilemen and Goldfish

“Ob, ob, Gertrude, now don’t tell a soul, but I heard that those two-cars Darbs had a goldenfish crew race. Those bad boys lined up in teams of five with ten ounces of water and two goldenfish per mag and had a run at the atom with a barber. I wonder what this younger generation is coming to.”

Don’t Clutch

A few nights ago the Pheoms went down to the catacombs and had a contest to see which alley would get the Austin Trophy. There was a long silence.

“Rah, Rah, Atom Splitter—Dr. Lee DuBridge, president of the California Institute of Technologo, has issued a plea to America to give prize science students the same acclaim they now re- serve for football heroes and beauty queens.

On behalf of organized American football and beauty queen watchers, I protest that Dr. DuBridge has not thought this thing out carefully. It is hard to stand around a stuffy old laboratory saying, "Rah, Rah, Rah, Rah, Rah, Rah...the atomic physicist, Easterly, to the rescue!"

It doesn’t work out that way. One must have competition, crowds, school colors, razzmatazz and jazz, chrysanthemums and carnations. It’s got to have stage. But it can be worked out, with a little ingenuity.

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Opinion

Human Review

By Rob Blandford

Today for better or for worse many scientists find that their advice is not necessarily given, but rather, asked for by their friends and by the public on matters such as H-bomb testing.

This is because their friends expect that "scientists" will have an informed and reasonable opinion on such matters. Of course this is not necessarily so. A scientist needs to do almost as much research to have a valid opinion on a subject outside his domain as a layman.

What, Me Worry?

Nonetheless, if scientists feel responsibility for their civilization it seems that they should attempt to become expertly informed in fields where the public is inclined to take their opinion as truth. A lot of scientists will say that it is none of their business, and that they will just concentrate on their field of study and leave that stuff to their more ambitious colleagues. Although I think this view is reprehensible, discussion of values doesn't belong in this particular article.

Some of the fields a scientist might be expected to have special knowledge are the following: H-bomb testing, extra-sensory perception, satellites, and atmospheric phenomena like aurora. In other words, they are the sordid reporter. There is no life in his lines; they drip like nosoconial poison.

Lisa Browning as the defending attorney; and William Jenkins Brimmer as the author. The authors, Jerome Lawrence and Robert E. Lee, have made their own interpretations, involving preceedings; in essence, they have created a defense of the right to think.

Taking the role of defense attorney is Sidney Blackmer, a prominent figure on the Broadway stage for many, many years. His performance is beautifully done; the whole production revolves about him. Without him, the inadequacy of most of the other actors would become blatantly apparent: with him, "Inherit the Wind" is a must.

Wendell Holmes as the prosecuting attorney. He is convincing only when Mr. Blackmer is on stage to aid him. Alvy Moore is quite inadequate as the sardonic reporter. There is no life in his lines; they drip like nosocomial poison.

First of all, what does an Applied Science Representative do? In John Jackson's own words, "I work constantly with executives of the many and varied customers served by IBM in the territory for which I am responsible, advising them on the use of their electronic data processing machines. I consult with these customers, analyze their scientific and technical problems for solution with IBM machines. Occasionally, I write technical papers and make demonstrations on electronic computing. All in all, it's pretty fascinating . . . ." In other words, he is a full-fledged computing expert, a consultant, and a very important person in this coming age of automation through electronics.

A consulting sales job

During the three years that John Jackson has spent with IBM as an Applied Science Representative, he has guided innumerable customers to new and better ways of doing things with electronic computers. For example, a leading aircraft manufacturer wanted to experiment with a radically different design for a nuclear reactor. Although the basic format had been established, the project still required months of testing with mathematical equations. The aircraft people decided that they couldn't afford to wait that long, so they called on IBM. After consultation with top executives, John Jackson helped to map out a computer program that would perform over 100 days of pencil chewing arithmetic. Later, for this same company, he organized the establishment of computer systems for manufacturing, Sales and Applied Science. Why not ask IBM directly from graduate school. Today, an Applied Science Representative, he reviews his progress and tells how he uses his math background in a new field.

IBM ?

What's it like to be with IBM?

Mathematician John B. Jackson, like many other mathematicians, engineers and physicists, came to IBM directly from graduate school. Today, an Applied Science Representative, he reviews his progress and tells how he uses his math background in a new field.

Considering mathematical research. But he liked the excitement and diversification of business and industry, and he wanted to use his mathematical background in a new field. That was IBM in 1962. Today, John Jackson is a key engineer in the IBM's key Divisions, Military Products, in the Washington, D. C., office. With his wife Katherine, daughter Lisa, and John, Jr., he enjoys life in the nation's capital.

Interesting and challenging responsibilities, and the knowledge that he is making a substantial contribution in a rapidly expanding area of IBM that is important to the Company and to the nation, assure John Jackson that he is moving along a road of real future opportunities.

This profile is just one example of what's it's like to be with IBM. There are excellent opportunities for well qualified college men in Research, Development, Manufacturing, Sales and Applied Science. Why not ask your Placement Director when IBM will next interview on your campus? Or, for information about how your degree will fit you for an IBM career, write or call the manager of the nearest IBM office.

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Opinion

**AS I SEE IT**

by Dick Van Kirk

Reflections of a one-armed typist... In spite of the fact that they’ve been losing games right and left, you can’t help but admire the Caltech varsity basketball team for the way they play the game. With probably the shortest team in the nation, the Beavers have to concede offensive rebound strength in order to concentrate on stopping fast break attacks by the opposing team. But on the defensive fronts their position, timing, and teamwork is hard to beat. This is a team that is a joy to keep the lid down, scramble for loose balls, steal passes, slap the ball away from bigger men, and in general hustle the opposing team all over the court. It’s just too bad that the opposing team scores so many points by outreaching our defenders. So far their hustle has kept them in the game, but they haven’t been able to overcome completely the height deficits they invariably face.

In every game at least ten points are scored on Caltech just because of the height differential. But for a really exciting team, its hard to top the hustling Beaver five. Laughed at by other schools because of their relative inexperience, Coach Gene Rock’s boys just go out and play all the harder. Fred Newman keeps on making shots you can’t believe, Bob Rimmer always manages to be where the loose ball is; Glenn Converse and John Stene rebound the court and keeps throwing the ball through the hoop.

As I’ve said, it’s an exciting team. Come to one of their games and you’ll see exactly why the way this team plays ball.

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FLASH ! ! !

In a special run-off election held last Thursday, Hugh Kiefer defeated Ken Casey for the office of Freshman Class President. The upset replaces the incumbent, Sid Leibovich, for the remainder of the school year.

5. Revision of Article VI:

Article VI Sec. 2: Delete “Secretary of the corporation” and add “Secretary of the Board of Directors.”

Sec. 4: Delete “of the Board”

Sec. 9 Delete “of the corporation”

Article VI Sec. 1: Delete “Publicity Manager, a First Representative at Large, Yell Leader, Second Representative at Large, Rally Commissioner, Business Manager of California Tech, Editor of the Big T,” and add “Activities Commissioner, Social Commissioner and Secretary of the Board of Directors.”

Sec. 1 D — Delete Sec. 4.

Add “Except for the Secretary of the Board of Control who will be elected by secret ballot in the general Student Body elections.”

Sec. 5: Delete First Representative at Large and add “Social Commissioner.”

Sec. 5: Delete “Second Representative at Large” and add “Representative at Large.”

6. Revision of Article VI:

Article VI Sec. 5 Delete Sec. 5. Article VI and add “Social Committee.”

There shall be a Social Committee appointed by the Social Commissioner with the approval of the Board of Directors. This committee, with the Social Commissioner as chairman, shall help carry out and plan the Corporation’s social program.

7. Revision of Article VII:

Article VII Sec. 4 Delete “beginning of each fiscal year” and add “end of each fiscal year.”

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