Levinthal Blasts Threshold Theory: Calls Teller A Ruthless Experimenter

By George Lakoff, '62

Cyrus Levinthal, noted geneticist, this week refuted the conten-
tion of atomic scientist Edward Teller that infinite growth
which a dose of radiation causes to an organism. Teller
test the Threshold Theory in his recent arguments for the con-
fidence of nuclear bomb testing.

Levinthal, professor of Biophysics at MIT, mentioned that there is a
point at which on the average
which have been carried on down to
level of the

Levinthal's criticism of Teller may
have the threshold theory in his recent arguments for the con-


herself, when the

suggested against a crash program
to develop the bomb:

and who will soon be published in an

In

the process, according to Snodderly,

When Dr. Killian and Dr. Jaffe, will

the information office, Room 7-111,

TANGENT, the MIT literary maga-

A new page was opened giving a demonstration in the lobby of Building 10 Friday to help raise funds to send the American Olympic team to Rome this summer.

Two fences are shown above giving a demonstration in the lobby of Building 10 Friday to help raise funds to send the American Olympic team to Rome this summer.

Parents Weekend To Be April 23-24
Many Activities To Be Featured

April 23 and 24 will see this year's Parents' Weekend at MIT. The
yearly affair, fast becoming a tradition, gives parents a personal view of
activities, and initial life at MIT. In 1958, over 700 parents attended Parents' Weekend; this year, many more are expected to attend and gain a true
picture of MIT.

Jerry Greenman, '61, and Fred Jancewicz, '62, Parents' Weekend Committee co-chairmen, have released the plans

March 21 was a memorable evening.

Grand Finale Dance Show Ends International Week

By S. S. Soo, '63

After half an hour's delay, the International Dance Show finally
got under way last Saturday night. Kennie was packed, the audience was enthusiastic, and the show was good.

Unfortunately for your reporter, however, two glorious experiences of the class of '61 snared in after intermission and ended
immediately, by their similarity to Ingrid's Harmonic Oscillator, causing him to vacate in revocance. Otherwise everything was fine.

Everyone did his (or her) best, and Professor Wood, the Bosco,
was at his finest. Color and variety dominated the show and at its
close everyone was satisfied.

Israel and Scotland performed skit, but the gay rosy checkered
Lithuanian children captivated the audience with their charming
dance and their rustic rural accounts. Person was represented by em-
person, and most credibly too.

The presentation, and everyone was speculating on what was to
come. To quote Diane Fast. "Very Good, Very Good." The bus-
ner signaled the end of fifteen minutes and everyone filed again.

First Lady: "No, China. Yes, it's China, look at the gorgeous
dress."

First Lady: "Ouch! It's exquisite."

India contributed a peasant's harvest dance. Then the Ukrain-
ian - On stage. Pescarky with his moustache squirming, in-
veighed the Teak on mispronouncing the name of the dance as "Hapsak"
instead of "Hapak." Then they went on to dance the Hapok.
Threeening beautiful, three beautiful peacocks, they stepped on the stage, they whisked, they hustled. The vigor they radiated to that
funeral and injected into the dance was superlative.

Finally Gina Solomon represented the United States by dancing
Amerasian Custom" (below).

The performers all returned on stage for the finale. Over
eighty persons dressed in their national costumes presented a

The 1960 Summer School Catalogue will be available tomorrow in the Information Office, Room 7-111, according to John J. Mahill, of the Public Relations Office.
Fraternity Scholarship

The question of the academic standing of the fraternities relative to the rest of the school always comes up when the建党联的 report is published this year. We suggest that this new emphasis is put on this problem by a motion currently being considered.

Dear Sir:

I, for one, refuse to have my name, via MIT, connected with the thousands of people, sometimes their own relatives, who champion the cause of superiors of white men forget the thousands of people, sometimes their own relatives, who champion the cause of superiors.

I, for one, refuse to have my name, via MIT, connected with the thousands of people, sometimes their own relatives, who champion the cause of superiors.
Men who face wind and weather
choose the protection of...

Old Spice
AFTER SHAVE LOTION

Skin protection that is. Old Spice refreshes and stimulates, guards against the loss of vital skin moisture. Feels great, too. Brisk, bracing, with that tangy Old Spice scent. If deodor seem to attract female admirers, but what red-blooded man needs protection against girls?
1.00 value

S. HULTON

Make your selection of
Old Spice at
TECH COOP
40 Mass. Avenue

Lucky Strike’s Dr. Frood reveals
A Foolproof Method for Rating Your College

Dear Dr. Frood: Do you believe in the theories that Shakespeare was actually either Marlowe or Bacon?

Dr. Frood: English Major

Dear English Major: All rot. I have done considerable research on the subject and can prove that Marlowe was actually Bacon, and that Bacon (who was a bit of a ham) was, in reality, Marlowe, and that Shakespeare, an infamous grape squeezer who could neither read nor write, was, in fact, Queen Elizabeth.

Dear Dr. Frood: I am worried. Is it true, therefore, that Shakespeare is married. What should I do?

Dr. Frood: You had better read some books on the subject. I especially recommend Mildred Twiddle’s “The Birds Are Your Friends,” and Agnes Meffert’s “Songs in the Trees.”

Dear Miss Twiddle: You had better read some books on the subject. I especially recommend Mildred Twiddle’s “The Birds Are Your Friends,” and Agnes Meffert’s “Songs in the Trees.”

Dear Dr. Frood: Is there any accepted method for determining the academic ratings of American universities and colleges?

Dr. Frood: Of course. Simply take the total number of graduates and divide by money.

Dear Miss Meffert: When ever I am concerned of my middle name.

Dr. Frood: Of course. Simply take the total number of graduates and divide by money.

Dear Dr. Frood: I am just a little bit worried about exams. I have not attended any classes this semester. I have not done any reading. Either. I must be in Africa for the polo matches until the day before exams and, of course, will be unable to study. Any suggestions?

Dr. Frood: I put my Lucky down, my roommate picks it up and finishes it. How can I stop him?

Dear Put: Light both ends.

Dr. Frood: Whenever I put my Lucky down, my roommate picks it up and finishes it. How can I stop him?

Dear Put: Light both ends.

Dr. Frood: Dear Buzz: Do you think professors’ hearts are made of stone? Just tell them what you told me. I am sure they will understand, and if they don’t excuse you altogether from exams, they certainly will arrange some nice little oral quiz you can take at your leisure later on in the summer.

Dear Buzz: Do you think professors’ hearts are made of stone? Just tell them what you told me. I am sure they will understand, and if they don’t excuse you altogether from exams, they certainly will arrange some nice little oral quiz you can take at your leisure later on in the summer.

Dear Millie: Your secret is safe with me. I’ve left strict instructions not to print our correspondence. Confidentially, however, you’ll never get Buzzy. I wrote Mrs. Bowdley about the situation, in order to advise you better, and she says Professor Bowdley is too old for you.

Dear Millie: Your secret is safe with me. I’ve left strict instructions not to print our correspondence. Confidentially, however, you’ll never get Buzzy. I wrote Mrs. Bowdley about the situation, in order to advise you better, and she says Professor Bowdley is too old for you.

COLLEGE STUDENTS SMOKE
MORE LUCKIES THAN ANY OTHER REGULAR!

When it comes to choosing their regular smoke, college students head right for fine tobacco. Result: Lucky Strike tops every other regular brand. Lucky’s taste beats all the rest because L.S./M.F.T.:— Lucky Strike means fine tobacco.

Tobacco and taste too fine to filter!
Product of The American Tobacco Company—“Disease is our middle name”

Sheraton Hotels
STUDENT-FACULTY DISCOUNTS

Here’s money-saving news for students, faculty and all other college personnel. During weekends and holidays, Sheraton offers you special low rates—even lower when you register at one of our 54 units. Additional discounts are avaiable for active fraternities, sororities, and other college organizations.

You get these discounts at any of Sheraton’s 54 hotels in the U.S.A., Canada, and Mexico. Just present your Sheraton card or Faculty Guest Card when you register. It’s your Sheraton discount. Ask for Sheraton card, or make reservations, contact:

MARIUS MANHEIM
MIT
Cambridge, Mass.
The most difficult puzzle in the world

Do you have a solution?

In high school, you may have thought you had the solution, only to have it vanish. In college, it may seem well within your grasp, only to vanish again. But this is not unusual. It's a very difficult puzzle.

The puzzle? How to find your life's work. The solution? It comes only with searching. It may be right under your nose or it may still be far away in the future.

But the solution will come. You will very probably find it in the work you undertake after college.

This has proved true many times at IBM. For instance, young engineers and scientists—after learning the scope of IBM activities in research, development and manufacturing—have found their interests leading them into such vital growth fields as microwaves, circuit design, solid state physics, magnetics and manufacturing research. Depending on individual talents and inclinations, a college graduate may acquire skills at IBM that lead to a variety of careers.

When a person is able to move into areas where his true interests lie, and when he has many areas to choose from, it will certainly be easier for him to find his life's work.

After all, it's easier to find the solution to The Most Difficult Puzzle in the World when you have access to all the clues.

The Vannevar Bush Award, held Thursday noon, March 22, at 12:00 Noon, at the University of Washington's Alumni Memorial Hall, will recognize the achievements of those who have advanced education as a means to national progress. The award is presented by the U.S. Air Force, with the cooperation of the American Association for the Advancement of Science and the National Science Foundation.

The award will be presented to four individuals: Dr. Robert A. Millikan, Dr. Charles E. Merck, Dr. John von Neumann, and Dr. Vannevar Bush.

STUDENT UNION HALL.

The award banquet will be held in the Student Union Hall at 6:00 p.m. on March 22. All graduates of the University of Washington are invited to attend.

The University of Washington

The Most Difficult Puzzle in the World
A Message to E.E. Graduating Engineers

EMERSON ELECTRIC interviews WEDNESDAY MARCH 23

You'll get the "GO" sign at Emerson to get right into the thick of advanced projects

"Why should a graduating engineer consider Emerson Electric?" That's what we recently asked our brightest engineers ... men who graduated in the past 4 to 24 months. They were in your exact shoes not long ago, seeking important decisions.

Here are their answers ... reporting significant advantages that you should know and carefully consider.

You'll enjoy every opportunity to produce right away. You get into the thick of important work, actual problems that Emerson has firsthand experience with. Engineering work begins at once . . . no weeks or months of orientation lectures, book-bound textbook courses, non-technical, or drudgery tasks. Career freedom allows you a wide choice of challenging work . . . do what you want to do . . . even to mention a few ... anything an engineer could want. It's customary to follow your project from open through production.

To illustrate the free hand given our young engineers, a May graduate already developed two hardware components with excellent potential patent possibilities. Employee suggestions? You'll find none of the usual straitlaced between department heads, group leaders and their engineers. Formalities are non-existent. We work closely together and cooperate fully in solving problems of the activities on campus.

New openings offer a future full of opportunities. Where do these openings come from? From the fact that Emerson is a dynamic growth company. Salaries have advanced from $60 to $90,000 annually in four years.

These advantages cover only a few of the many reasons why our young engineers become Emerson engineers. Here, in brief, are examples of Emerson's diversification. Our Commercial Division, established in 1899, is the nation's leading and largest independent supplier of fractional horsepower motors. Other departments of the company include the Measurement Division, the largest independent supplier of fractional horsepower rotors. We also supply a complete line of electric heat equipment.

Our Electronics and Avionics Division, formed in 1940, is the world's leading developer and producer of defensive aerospace systems, strategic bombers ... the B-52H and B-58. We are involved in radar fire control systems, servo devices, analog and digital computers, supersonic airframe structures, automatic test equipment for airborne electronic systems, missiles, rocket, boosters, and mortar launchers.

Find out how you can get your training with Emerson Electric. Most Emerson's engineering representatives and discuss your future with them. If it is impossible to make a call, write immediately to Byron Johnston for full details.

Sign up for your interview at the Engineering Placement Office Don't put off your future ... do it today!
EAT, DRINK AND BE MARRIED

On a recent tour of seventy million American colleges, I was struck by two outstanding facts: first, the great number of students who smoke Marlboro; second, the great number of students who are married.

The first phenomenon—the vast multitude of Marlboro smokers—enrages me more than surprise, for everyone knows, the college student is an essentially intelligent organism, and what could be more irrational than to smoke Marlboro? After all, pleasure is what you smoke for and pleasure is what Marlboro delivers—pleasure in every puff of that good griddle tobacco.

If you think flavor went out when filters came in—try a Marlboro. Light it up and see for yourself! Or, if you like, don't light up, just take a Marlboro, cullitivate, and puff a couple of times. Get that wonderful flavor! You let it do it! Even without lighting you can taste Marlboro's excellent filter blend. Also, you can make your package last practically forever.

So, I say, it was not the great number of Marlboro smokers that astounded me, it was the great number of married students. You may find the first hard to believe but latest statistics show that over one-third of college marriages are the proportion of married undergraduates rise as high as thirty percent! And, what is even more startling, fully one-quarter of these marriages have been performed in college!

Here now is the figure to give you pause! Not that we don't all love babies. Of course we do. Babies are pink, fat, and fetching and first cousins to the little infant, thus we don't like filters. With Philip Morris we have made a scientific formula consisting of dextrose, maltose, distilled water, evaporated milk and sugar, outlawed by the Smoother Act, and today babies are fed a mixture of mildness but you don't like filters—such are the paradoxes of the Philip Morris Way. A baby sleeps best on its stomach so place it that way in its crib. Then to make sure it will not turn itself over during the night lay a soft but fairly heavy object on its back—a blanket, for instance.

**GREAT ARRANGEMENT:**

You... the hi-fi... and cold, golden Budweiser. Around the campus, too, where there's life... there's Bud.

---

**Accent Est Francais...**

**When you fly the Air France Way!**

A trip to the moon? Sunday, but not yet! While you’re waiting, how about Paris or Rome? You can travel the world by AIR FRANCE jet.

**How? Where? When?**

Just straight to Paris from New York, Chicago, or Los Angeles. See your travel agent—local or mail service.

---

**On Campus with Max Mandelson**

(Author of "I Was a Teenage Dummy!" "The Many Loves of Dobie Gillis" etc.)

---

**Clive Is Only MIT Victor As English Squashmen Win 5 games**

Racing captain Colin Clive, Jr., was the lone MIT victor Friday as six-man squash team compiled three more each from Oxford and California Universities and the English on the Dupont Courts.

Competing for MIT, in addition to Clive, were captained-nets Fred '61, Loufey Elderbrock '61, Bob Labouisse '61, John Priest '60, and John Beckett '60.

The English sextet has lost only American squash teams to its bag and will continue its tour in the U.S. Saturday the team made a five-day stay against Harvard.

Following the match matches, both teams dined at the Faculty Club as guests of the MIT players.

**Weightslifters Score Win Over Harvard**

MIT's weightlifting club won its way to victory over Harvard yesterday afternoon in its first of several meets of the season. Fred Winsor '62 led the Beaver swimmers with a Hoffman score of 425, a record computed by adding the total weight of a competitor's lift by the weight raised to the three-fifths power. Also helping Tech win were captains Jeff Spazier '62, Chet Loewen '61 and Vic Schneider '61.

**Dartmouth Oarsmen Staying at Dupont**

For the second straight year, Dartmouth crew is MIT's guest for spring practice. A total of 68 varsity and freshman oarsmen are staying at the Dupont Athletic Center and will train with the Harvard crew until next Tuesday.

Dartmouth is unable to practice: its home water in Hanover, N. H., since the river there remains frozen until April. The visiting team will sail from the Graduates House training in last year's victory basked Walker Memorial.
Verderber, Julian Will Represent MIT In National Fencing Meet

Joe Verderber, '60 and Bill Julian, '61, have been named MIT's representatives in the sabre and epee competition for the NCAA fencing championships at Springfield, Illinois, April 2-4. Captain Sherman Karp, '60, will compete in the foil as announced previously.

Verderber lost just one match in winning the New England sabre championship in the Dupont Athletic Center, March 12. In the same meet Julian tied for third, winning 10 consecutive bouts.

Karp will have for the University of Illinois campus on Wednesday, April 3rd, with head coach Bob Vitale. Verderber will join the pair in Cleveland Sunday. It will be the first time in six years that MIT has been represented in the individual championships. Although team entries are awarded, the competition is on an individual basis, with American homes going to the top gun in each weapon.

G.L. FROST CO., INC.
AUTOMOBILE BODY REPAIRING & REFINISHING
E. W. PERKINS
Tel. EU 4-9100
31 LANDSDOWNE STREET
CAMBRIDGE, MASS.

The 1 out of 20
that didn't get smoked

There's a lot of satisfaction in pointing out something good to a friend. That's why it often happens that one cigarette out of a pack of Dual Filter Tareytans never gets smoked.

People break it open to demonstrate its unique Dual Filter containing Activated Charcoal. They may not know why it works so well, but they do know this: It delivers far more than high filtration...it brings out the best taste of the best tobaccos-as smooth...

NEW DUAL FILTER
Tareytan

VERDELBER, Julian

Water Polo Club Upsets RPI 8-7

Paul Hoffman scored six goals Saturday to lead the MIT Water Polo Club to an 8-7 triumph over Rensselaer Polytechnic Institute at Troy, N.Y. It was the first competitive game for the newly formed MIT group, headed by president Bruce Shure.

Hoffman, who played for RPI last year, was Tech's captain and center forward. Also scoring for MIT were Tom Bliss and George Seigman.

The Water Polo Club, which is organized mainly for graduate students, will meet St. Francis at Alumni Pool Saturday at 4 P.M. The game is open to the public without charge.

Also in action for MIT Saturday were graduate student Rebell Lingo (futile), Bill Travis, Bruce Shure, Patrick Vintzileos and Lampley.

That, in a nutshell, is the story of your opportunities at EPSCO. Here is your chance to grow with a dynamic young electronics organization where vital young ideas grow into important achievements for industry and government. New members of our staff, by virtue of their achievements, are often able to distinguish themselves in a very short time. In just 5 years, we have become first in Data Control, with an impressive list of accomplishments to our credit. For instance:

DATRACS - - - first high-speed reversible voltage-to-digital converters
ADDAVERTER - first analog/digital comparator
GUARDIAN - - - first fully-automatic high-speed checkout systems
WEIGHTRAC - first high-speed digital dynamic weighing systems
DATAVERTER - - first universal language translation equipment available
STARDAC - - - first real-time transistor magnetic servo loop computer controller - for the Polaroid submarines

Engineers who can apply that energy to the development of new equipment and systems for industry and government are invited to contact the EPSCO representative, Mr. Norman S. Powers who will be interviewing seniors and graduate students. Interested applicants should be at Massachusetts Institute of Technology on March 24 to discuss their professional futures with EPSCO.

Epsco incorporated
275 Massachusetts Avenue
Cambridge, Massachusetts

Levinthal Blasts Threshold Theory

(Continued from page 1)

in this report was this: Not only to me but to many others who said this to him point-blankly, the report meant to the public without charge. Also in action for MIT Saturday were graduate student Rebell Lingo (futile), Bill Travis, Bruce Shure, Patrick Vintzileos and Lampley.

That, in a nutshell, is the story of your opportunities at EPSCO. Here is your chance to grow with a dynamic young electronics organization where vital young ideas grow into important achievements for industry and government. New members of our staff, by virtue of their achievements, are often able to distinguish themselves in a very short time. In just 5 years, we have become first in Data Control, with an impressive list of accomplishments to our credit. For instance:

DATRACS - - - first high-speed reversible voltage-to-digital converters
ADDAVERTER - first analog/digital comparator
GUARDIAN - - - first fully-automatic high-speed checkout systems
WEIGHTRAC - first high-speed digital dynamic weighing systems
DATAVERTER - - first universal language translation equipment available
STARDAC - - - first real-time transistor magnetic servo loop computer controller - for the Polaroid submarines

Engineers who can apply that energy to the development of new equipment and systems for industry and government are invited to contact the EPSCO representative, Mr. Norman S. Powers who will be interviewing seniors and graduate students. Interested applicants should be at Massachusetts Institute of Technology on March 24 to discuss their professional futures with EPSCO.

Epsco incorporated
275 Massachusetts Avenue
Cambridge, Massachusetts

Levinthal Blasts Threshold Theory

(Continued from page 1)
only true if violence was not used. I might mention here that almost all cases of violence to southern demonstrators have been caused by "white supremacists" attacking Negro demonstrators. The president also said, however, (and former President Truman agrees) that constitutionally a storekeeper does have the right to serve whom he wants. This does not mean, however, that those who are refused service do not have the right to boycott or picket that store.

6. a. To the racist group, I can really say very little, because as I have mentioned, your position is unacceptable to me. I would simply suggest that while you are at Tech, you will not be castigated for your associates, you get to know as many Negroes andforeign students as you can. I am sure that by doing this you will learn to your amazement that they are not animals, and are decent human beings as you claim to be.

b. To the unconcerned group I say, at the risk of appearing trite, that democracy is something very precious, and that if we do not fight for it in our own country, we will have wasted the countless lives of soldiers who died defending it against dictators who tried to enslave the world.

c. Finally to the last group of those who really care and are searching for actions they can take, I suggest the following:

(1) Keep up with the action in Congress on civil rights and write your Senators and Representatives asking them to support this legislation. As you know a large number of northern Republicans have teamed up with southern Democrats to water down the already meager Administration plan to get more Negroes the right to vote. Some of these men are "on the fence" and might be swayed by a large letter writing campaign.

(2) Write to the President and ask why in the six years since the desegregation decision he has refused to say specifically that he favors integration. Ask why, when he was so outspoken and active on the pressing need for labor reform, he has given nothing but vague platitudes and has even failed to speak out for his own administration's civil rights bills.

(3) Most important, keep informed on what is going on in this field by reading the newspapers. Try to orient your battles toward these issues, and maybe you can come up with some new ideas. And don't be afraid to speak out! The "Letters to the Editor" section in The Tech or in your hometown newspapers are excellent places to voice your views.

If you finally do decide to take some action, take it with a clear conscience and do not heed the status-quoists who will always attack you. This great country was not built by that kind of person. And maybe the next time you are at Tech, where you will not be castigated for your contacts, you get to know as many Negroes and foreign students as you can. I am sure that by doing this you will learn to your amazement that they are not animals, and are decent human beings as you claim to be.

Sincerely,
Martin Klein '62

The response of the supposedly apathetic MIT student body to the question of EPIC is indeed gratifying. Mr. Klein's letter was published in The Tech on February 14th. It was the most frequently read letter that day. The editors of The Tech felt that Klein's letter was a "model of clear thinking and well-argued reasoning." They also praised his "vigorous" tone.

MANNING MOTION
Manning is fierce as a tiger on offense, driving as a bear on defense, and wise as an owl in the huddle. Everybody's All-American selection, he makes the All-American team when he chooses his underwear. He knows you can do most anything in Jockey skants brief. Jockey skants are not high at the sides, low at the waist, and tailored of stretch nylon to provide maximum comfort with minimum coverage.

You can beat them for sports, for travel, for comfort in any pursuit. Your campus store has them! $1.50.

Jockey INCORPORATED KENOSHA, WIS.

THE TECH

MOTION

The Day Manchur was Killed
$4.50 7:30 9:00

BOSTONIAN

THE TRIM NEW

MOCASIN BY

BOSTONIAN

Moccasin seam is sewn entirely by hand with tough dacron thread...you get foot-hugging comfort and long, strong wear...come try a pair.

STYLE NO. 980 IN BLACK.
ALSO NO. 9836, BROWN $14.95

TECHNOLOGY STORE

40 MASS. AVE CAMBRIDGE

Salem's new cigarette paper discovery “air-softens” every puff!

Special new HIGH FORROSITY cigarette paper

invisible porous support

blends fresh air with each puff for

a softer, fresher, more flavorful smoke

Salem research creates a revolutionary new cigarette paper that breathes new refreshing softness and flavor into the smoke. Now, more than ever, there's Springtime freshness in every puff of a Salem. Smoke refreshed...smoke Salem.

• menthol fresh • rich tobacco taste • modern filter, too

NOW MORE THAN EVER Salem refreshes your taste