



HCET AINROFILAC

"A PAPER FOR PEOPLE WHO NEED IT"

THIS PAGE DEDICATED TO G. R. MacMINN



Reds in Strategic - Scientific Caltech



Tau Sigma Award Not Awarded--Tau Sigma

Newly-elected Tau Sigma Prexy, Twill Kennedy, spoke before a husband and enthusiastic audience last week at the annual award assembly. As Twill mounted the stage, four frosh fainted in anticipation of the highly coveted Most-Billious-Freshman-of-the-Year Award.

Woe, Woe

Twill spoke simply, his voice loaded with emotion, "It has been the tradition in the past for Tau Sigma to choose the Most Billious Freshman of the Year. In the past our award—a nickel-plated replica of the Colonel's walking stick — has been presented to freshmen who excel in not one, but two categories. The Most Billious Freshman must not only maintain a grade point average within the lower five per cent of the class, but must have gained recognition for complete non-participation in extra-curricular affairs. He must have a thorough-going contempt for all nonsense requiring any sort of exertion, and to possess the most consistently bent arm in the Freshman Class.

Woe, Woe

"Though a number of my

No Rivet This Year

The "hot rivet" will not be published this year, as in the past. Due to the pressure of exams during the last two weeks, time did not allow the staff to work on it. The load on each man would have been far too great with such a small staff.

Since no one will write the material, putting out the Press Monstrosity is out of the question. Especially as it is the duty of the Press Club to put out the rag, and none of them could be found, as they were all in Las Vegas trying a new system. However since the collection of trash known as the Rivet serves no useful purpose, an alert student body at strategic-scientific Caltech will not miss the few pages until one comes along some year.

Campus Calendar

THURSDAY, JUNE 10—
Upper class luncheon club at the Skip Inn, 2:00 a.m.
Dancing (heh heh) Class in the steam tunnels.
Dedication of the new Biology Building, 4:30.
Glee Club rehearsal in Blacker Court, 1:30 a.m.
FRIDAY, JUNE 11—
Ricketts theater party at the Burbank.
Fleming theater party at the Burbank.
Dabney theater party at the Burbank.
Throp theater party at the Burbank.
Blacker theater party at the playhouse.
Uprising on the Athenaeum lawn at 4:00.
SATURDAY, JUNE 12—
GO HOME! DAMMIT!

Never Forget This

Rest today for tomorrow you may be tired.

closest friends have won this distinction in the past, our organization was unable to find a single freshman who is sufficiently bilious for this honor. It is with profound regret for the decaying traditons of Tech that I tell you the Tau Sigma Award for 1948 stands unclaimed."

Mathematics Dept. Secret Theories Uncovered By Tech

A most important general theorem in the theory of numbers has been discovered at Caltech, it was disclosed today. A reporter from the staff of the Tech happened to overhear two mathematicians on the faculty discussing this theorem, and immediately reported the news to the editors.

Close Scrutiny

A careful check was made on the information and it was discovered that the results to be withheld until September when the Institute will be host to a meeting of the American Mathematical Society. The Math professors on campus have been going about gloating over the sensation the announcement of the Theorem will cause.

Credit Uncertain

The Tech has been unable to discover who the discoverer of this theorem was. E. T. Bell has been taking credit for the discovery, but rumour has it that Prof. Bohnenblust preceded him.

Professor Bohnenblust did not receive credit, because no one could understand him when he tried to tell about it. The faculty is still uncertain as to whether he is claiming credit for the discovery, or if he is merely complaining about a rock in his (Continued on Watson)

New Engineering Dept. Planned

By Carl Suss von Quind

A Department of Landscape Engineering will be added to the Institute's roster of divisions, it was announced by the President's office yesterday. The new department will begin its activities next September and will represent something of engineering education. Deviating sharply from current Caltech practice, the Department of Landscape Engineering will introduce certain novel teaching methods and organizational features.

Five-Year Course

The residence requirement toward the Bachelor's degree in the new department is to be five years. The first year will be devoted entirely to the liberal arts, giving the entering freshmen a background in the Humanites commensurate with that of the average American engineering college graduate. The remaining four years will be devoted to professional subjects and the social sciences. The resulting (Continued on Smythe)

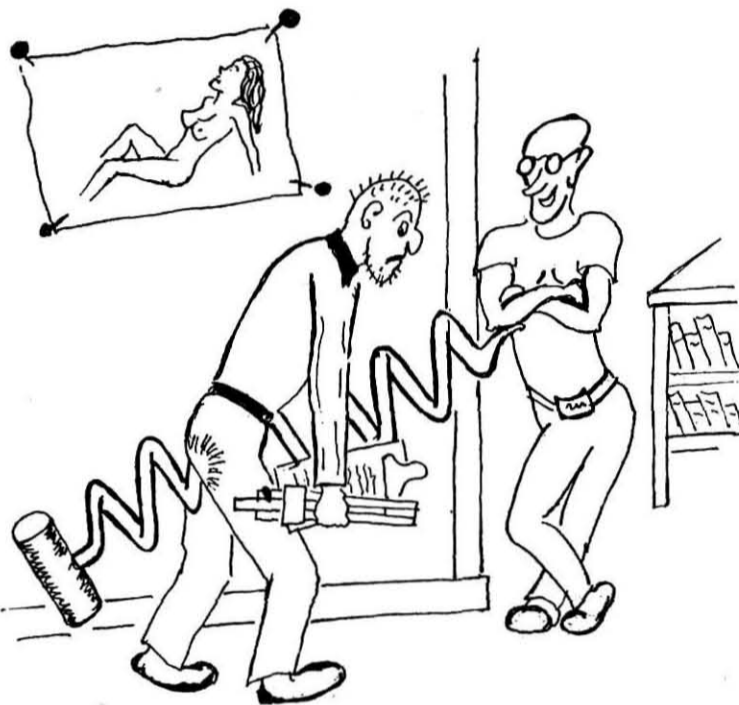
Seniors Achtung!

Have you still \$1.50? Bill Bradley will be glad to get it. Not content with being one of the richest men on campus as a result of juggling the Tech's books efficiently for two years, Bradley has released the following statement:

"In spite of being drunk I am serious. If any of you departing Seniors want to subscribe to the Tech next year, drop \$1.50 into

Tinney and Tomass Committees Reveal Alarming Situation

the Tech box or mail it to me in care of the Tech. In addition, if you want to get the paper, better enclose your name and mailing address with the money."



How did you do in the Smythe, Boy?



WORLD NEWS

CLAREMONT: Mrs. Wilhelm Bovine, of this city, was granted a divorce when she testified that her husband had spoken to her only three times during their marriage. She was granted custody of their four children, including a set of twins age 2.

PASADENA 4: Burton Henke is reported doing well at latest report, having discovered a use for the lead cup he was given in connection with his duties at the Institute. However, he has been forced to decline acceptance of the lucrative offer tendered him last year at this time by the "Hour of Charm" program.

USSR Labeled "Red"

WASHINGTON, June 1—(FO)—President Harry Truman revealed to a white house press gathering today that Russia has been placed under a regime which he termed "communist." The president declared that the area which comprises Russia has actually become, and these are his exact words, "A Union of Soviet Socialist Republics."

CUCAMONGA: The wheat crop in Albania will not reach 364,549 picas this year, according to the U.S. agriculture department. A pica is an ancient unit of volume equal to 8.18x10.1 teaspoonfuls.

Colts . . .

What fun to ride across our state in the spring! See the leggy young colts and fillies galloping over the pasture, and, in saddle oxfords, across the campuses. —Ore. Daily, Emerald

WEST POINT: Glenn Davis will not attend the California Institute during the fall of '47, as reported in the last issue of this paper. The Davis in question turned out to be two other fellows, who wrestle occasionally in the Dabney house lounge.

DABNEY HOUSE: Outgoing treasurer Bob Stewart released the following information yesterday: Non-house members viewing Televents, 1347. Income at 10c each, \$0.37.

THE OFFICE OF GEORGE HALL, CHIEF OF THE CALIFORNIA, official Information Service of the California Institute at home in Pasadena, branches in important Southland cities, and ships at sea and in the air: By George Hall (as told to George Hall):

Cripps sounds off . . .

NEW YORK, May 31—(FO)—In the United Nations today, the British Delegate, Sir Stafford Cripps, sounded a hopeful note to the assembly. Pointing the way to peace, he said "You can't miss it."

PASADENA: The Institute has learned today, in an exclusive report to George Hall, that the Gates Laboratory of Chemistry collapsed last night. Subversive forces are suspected. No breakage deposits will be refunded.

Child Labor . . .

CHICAGO, May 31—On the labor scene today, a child was born.

Ostriches . . .

2713 ostrich eggs were laid in Brooklyn Zoo last year, mostly by ostriches.

Prominent Instituters Named In Diabolical Subversive Plot

Slayer Still Eludes Law

The Pasadena Police Department announced today that it has discovered no new leads in the Tech "Black Dahlia" murder case which rocked the campus June 5. The identity of the secretary remains unknown, though some men have professed to know her identity. The police, however, are inclined to place little credence in the stories of these "boasters."

Only new prospect unearthed was a transient, one Dick Alexander, who has turned himself in "five or six" times, according to police. Discounting his story, the police attribute his action to social maladjustment and a publicity compulsion.

Several of the early suspects have been exonerated. Dr. Bulwada's protestation, "it was not my fault" has been verified. His alibi has been verified by geomorphologist Sharpe, who states that at the specified time, he and Dr. Bulwada were engaged in setting off dynamite in the San Andreas Fault, in an attempt to get it to move for a party of visiting USGS men.

The Hertenstein angle has been exploded by later developments (see page 1). Sterling has returned, though keeping a safe distance. Thus all the major suspects are in the clear, and police are faced with a situation much the same as confronted them when the crime was reported a year ago. Neither the killer's identity or that of the corpse are known.

Damn!

"Hell, remarked the Duchess," is good literature. Why, then, is swearing forbidden in the columns of the Tech? The use of strong language, strong liquor, and strong suspenders is a mark of strong men the world over.

Damn!

Why this senseless prejudice against the little word "damn"? There are plenty of other four letter words in the language which are a "damsite" worse. Witness: "piffle," "sacre bleu," "shucks," and "dear me."

Damn!

This school is non-co-educational. Certainly we must be allowed the liberty of allowing ourself the full use of the English language in the Tech, the only well circulated organ of student opinion. Come Techmen—Arise in revolt to this throttling of public opinion!

—1926 Rivet

The Belgian Congo was named after a European nation.

SAN SIMEON, June 8.—Strategic-scientific Caltech is a "hot-bed" of "tainted" activity. This apparently unbelievable revelation was made today by Senator Jock Tinney, of the un-American activities committee.

"strategic-scientific"

The senator revealed that his State committee, working in close cooperation with the House Un-American Activities group, headed by Rep. J. Carnal Tomass, had "secretly" "unearthed" certain "information" from "sources" "close" to the Institute which "proved" "beyond a shadow of a doubt" that Caltech, not UCLA (as formerly suspected) was the Communist Headquarters for the West Coast area.

"strategic-scientific"

"A recent poll taken at the Institute (see last page) showed," Senator Tinney confided, "that some 80% of Caltech students alleged that they were Republicans. This merely goes to show the lengths these agents will go to. They have obviously gone underground."

As proof of its assertions, the committee released the following information:

"A Caltech Chapter of the AYD once was very active on

"strategic-scientific"



campus, having some 2 members. Today, however, 99 out of 100 Dabney men (i.e. . . Spellman) are AYD*members. The organizations in other houses are less tangible, but the whole system is tied together by a high council similar to the Politburo, known as the PBAA, with headquarters in Blacker."

"strategic-scientific"

"The usual Communist Cells have been formed," Rep. Tomass said, "except that at strategic-scientific Caltech, these are known as 'sections.'"

"The increasing number of physics, chemistry and biology students enrolled at the Institute constitutes a dangerous threat to our defense program and the guarding of the atom bomb," according to Tinney, "to say nothing of the training of geologists and geophysicists, who—believe it or not—are here instructed in means of locating strategic uranium."

"strategic-scientific"

When asked if he had any information as to the leaders of the plot, Rep. Tomass was reticent, but at last divulged that "suspects" were under surveillance, but that because of their "position" in the "community" it would be hard to pin anything on such men as Dr. T. B. Benjamin Munrohe and Dr. L. A. drawBridge. The fall of draw-Bridge is especially unexpected.

When pressed, Sen. Tinney ad- (Continued on Eagleson)

SEX RELATIONSHIP REVEALED

—Story on Swift

The Hot Rivet

Published one Thursday each year during examinations and holiday periods.

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Pasadena, California

Subscription rates indeterminate

Entered as seventh-class matter Jan. 1, 1903, at the Post Office, Lower Cucamonga, Calif., under the Act of March 3, 1492.

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Telephone? So can we
Distributor of "Campus Brewins"

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California Tech is published annually
Rewrite Stiff.....if anybody thinks of it by the Press Club
of the California Institute for Men. However, since the
Sports Stiff.....Press Club is officially defunct
it is obvious that the annual monstrosity will
Pornographers.....not be published this year

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To Our Advertisers (Bless 'Em)

To the benevolent and philanthropic souls who send their advertisements for publication in the profitless columns of THE CALIFORNIA TECH, we wish to present the information that this issue of THE HOT RIVET is published in place of the regular edition. Also we wish to cheer your downcast minds with the statement that this paper will have about twice the circulation which THE CALIFORNIA TECH boasts, so put a smile on your faces and be ready to receive the additional Tech customers who even now may be preparing to enter your establishment.

THE RAH DEAL



The RECENT DISTURBANCES at STRATEGIC-SCIENTIFIC Caltech are lamentable.

It is indeed unfortunate that in these times WHEN our nation struggles for existence against the dark, evil forces of BOLSHEVISM, our EFFORTS should be sabotaged from the REAR by paid AGENTS of the Communist Internationale.

IT HAS COME TO OUR ATTENTION THAT THESE BEASTS PLAN TO FURTHER THEIR UNHOLY PURPOSE BY CONTINUED EXPERIMENTATION ON LIVE ANIMALS.

I warned you about HITLER AND HIS KILLERS, but nothing they did was as un-Christian and un-AMERICAN as this. Even in its REIGN OF TERROR, the Gestapo ONLY EXPERIMENTED ON HUMAN BEINGS.

THE CALTECH FIENDS WISH TO SUBJECT POOR, DUMB ANIMALS TO TREATMENT ALMOST AS HARSH! It's UNCONSTITUTIONAL.

They are even now constructing an underground TORTURE-CHAMBER for the VIVISECTION of these poor DOGS, CATS, and OTHER LITTLE HARMLESS PETS.

FELLOW AMERICANS, HEED these words. The AMERICAN WAY OF LIFE is in JEOPARDY.

There is only ONE way to halt the subversive TREND. There is only ONE MAN who can save the country in this hour of TRAVAIL.

(Actually, there are two, but I prefer to run the country from San Simeon to sweltering in Washington.)

WHO is THAT MAN?
He is GENERAL DOUGLAS MAC Shrdlu, that GREAT friend of the PEOPLE AND THE MAN IN THE STREET.

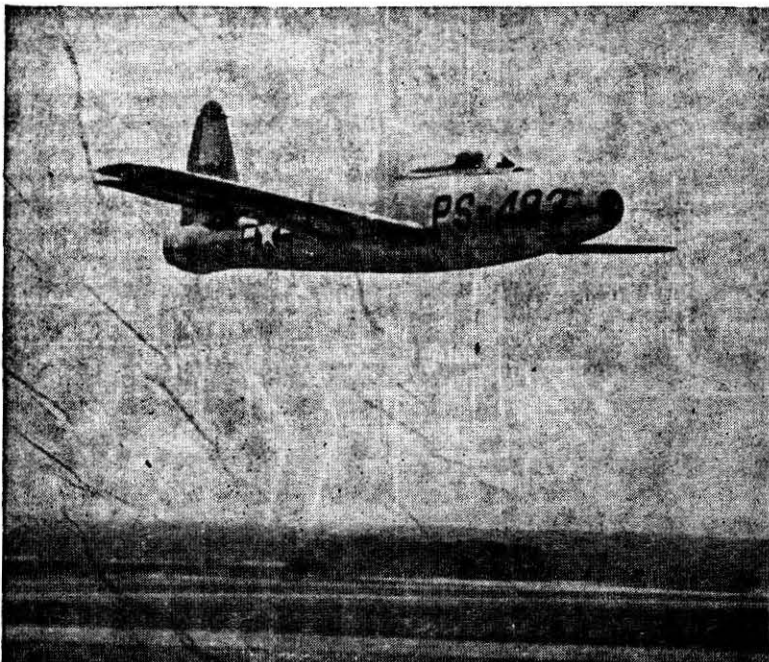
All who served under him ATTEST to his TRUE greatness. One of our common soldiers, an ORDINARY GI in the last war, Field Marshall MONTGOMERY once said:

"WHO THE HELL IS MAC SHRDLU?"
This proves he has the common TOUCH. All his many friends ATTEST to this.

AMERICANS. Defeat the neo-socialist ANARCHISTS and WAR MONGERS. Help STOP THE BLOODY CAREERS of the mad BUTCHERS OF KERCHOFF.

For a RAH DEAL, VOTE FOR MAC SHRDLU.
RAH! RAH! Ex dx!

North to South in Two Hours



RFB-MASP-45

The Republic P-84 "Thunderjet" shown above is the type of aircraft in which Maj. S. H. Johnson, USAF, recently maintained an average speed of 450 miles per hour for more than two hours. He flew from Long Island, N. Y., to Eglin Air Force Base, Fla., in 2 hours 16 minutes.

CAMPUS BREWINS (Or Ten Years After)

by Karl Prize

Some Techmen, 'tis true never marry nor rue a life of embachelored bliss,
But the weaker ones fall, and sink 'neath the pall of a pure Epicurean kiss;
Most marry for passion, but with others the fashion is smoothness, a c u m e n, and brain;
So pity the male whose grief and travail is assured by the classic Scripps dame;
Ten years now have passed since the Institute last saw Johnathan Lothrop O'Hare;
Disaster forfend, and list then, my friend, to what Fate had deemed for his fare.

He advanced his profession, and received a Congressional Medal as matter of course.
From sucrose diester and the sloth dung of Chester he created the tail of a horse!
Though honor and fame and learned acclaim had echoed from Yale to Throop Hall,
His life, I do fear—as soon will be clear—left much to be wished for withal.

For he's had too much stout, and

he's having a bout with his wife, who's eternally nagging; She says he's a boor, as a husband he's poor, and implies that his chest has been sagging.
Hers, too, he observes, its original curves, no longer his ar-dour entices,
Though advantage is had by women when clad, their outline preserved by devices;
She insists he has sinned in cutting of wind at her parties, al-frescoes, and teas;
"You exhibit a lack of breeding and tact, by laughing at long pedigrees!"

At Scripps I learned better (you dare not contest her in matters of gracious living)
Your pipe I deplore, and you never should snore, save first if you ask my forgiving!
Your compulsions to shave are but efforts to save your features from fiery distortions,
But meanwhile your beard, by your pipe badly seared, bears gravy in monstrous proportions.

When I studied at Scripps you brought on your trips from those far western ivory towers, Pins, and charm bracelets, and

bon bons and triscuits, records and perfume and flowers—

Now you bring seeds of Mexican weeds whose sex life your mind has beguiled;

You ply them with hormones and imported clay loams, while my 'mums are allowed to grow wild!

Your culture, I fear, is far in arrears; for broadness and reading you lack—

L'il Abner and Life, and Murder by Knife, Balzac, and your stupid Abstracts;
If it means getting dressed you must always be pressed to hear concerts or go to the Met, Though once you are there you twist in your chair to grimace at those teen-age coquettes!"

At this poor O'Hare ran a hand through his hair and looked back on his dead college days: Throop Hall and the Quad—all bare of green sod—now the Houses loom white through the haze;

"In my alley were four—three men and a boy—we had fights, private stags, and drank beer—

And a large stout supply (which failed to comply with the outrageous rules of that sphere.) Well, one dated westward, and staunchly averred that Oxy could boast of the queens;
Another looked north, and come evening went forth to make love to yon girls in their teens! Ah, don't miss Tom Gables who slept with log tables and—while we played bridge or talked sex—

Would snake on statistics, read up on ballistics, or toyed with his vectors complex;
Yes, he is still there in Bohnen-blusts chair, and he's happy, though not in the chips;
Well, I was once gay—how sad the day, when I first drove my Chevy to Scripps.

They met me with smiles, and practiced their wiles; they expertly inflated my ego;

They ask if I thought a thirty-foot yacht was as sharp as a cozy Swiss chateau.

Could I tell a tart from a saintly pure heart? Could I be an apt judge of faces?

From a life of amines, and butadienes and quaternary ammonium bases!



NEW ENGINEERING DEPARTMENT

(Continued from MacMinn)

lightening of the load carried by the students is expected to give them adequate leisure for the cultural activities normally associated with university life, such as attendance at concerts, the theater, the better pubs, the opera, and at noncompulsory lectures bearing a varying degree of relationship to the engineering subjects taught.

Courses

For instance, during the term for which the course Iceplant Landscaping Ia is scheduled, lectures on "Iceplants in Industry," "Ice Age Fauna in Los Angeles County," and "The Ice-man Cometh" will be given by the professors of Thermodynamics, Paleontology, and Modern Drama, respectively.

Units System

In addition, a genuine attempt will be made for the first time to correlate the number of units allowed for any one course with the number of hours actually spent in preparing for it. In particular, courses requiring lengthy reports will be replaced by a single 12-unit course frankly called "Technical Report Writing," rather than being designated as Hydraulic, Mechanical, or EE Laboratory as is the present practice. This course will be given under supervision of the Department of Landscape Engineering by instructors who will be required to show above-average proficiency in spelling, composition, and parsing.

Instructors to be Paid

The most radical departure from tradition will take place in the field of graduate instruction. The method of recruitment of graduate assistants will no longer consist of informing fellowship applicants: "You shall teach or, by Golly, we'll fix you!" In-

stead, they will be paid a living wage, based on an hourly rate comparable to the rate at which the Institute janitors are remunerated.

Funds

Charges that this unprecedented compensation procedure will wreck the Institute financially were ridiculed today by the Comptroller, who said that the entire scheme will be financed by a fraction of the savings effected as a result of the decision not to plant grass lawns in the inner quadrangles.

Tech Grads Encouraged

The minimum age of graduate instructors is to be raised to 19. In judging applicants, Caltech graduates are to be given preference over applicants from Junior Colleges, Military Academies, and Meat-Packers' Institutes. The traditional token of an instructor's teaching prowess, the little red book, is to be gradually abolished; instead, instructors in the Department of Landscape Engineering are to be impressed with a sense of responsibility, an obligation to prepare for classes, and an appreciation of their duty toward the undergraduate students. In addition, graduate instructors are to be regularly supervised by the department head.

Gertenstein

Appropos of heads, the name of Chiseley Gertenstein was mentioned by usually well-informed sources in connection with the position of the new department chief. Professor Gertenstein could not be reached for a comment today; his secretary announced that he was away negotiating for a guest appearance on the well-known radio program, "It Pays to Be Ignorant."

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Your Compass

by D. JOHN

The second and third floors of the soon to be completed extension to Kerchoff are to house a uniquely new addition to the Engineering Department at Tech. Plans are already underway to provide sufficient laboratory space for all necessary experience. (Most of which will be carried on privately or in small parties.) There will also be class rooms.

Father doubted

However because of the fact that techniques rather than the theoretical aspects of the subject are to be emphasized, these will probably be equipped for the use of motion pictures.

Mother cried:

The long unrecognized need in the Engineers' schedules for a course analogous to the Scientists' Biology will now be remedied by the inclusion of Applied Bi 2. in their programs. Also it is expected that research in this new subject will be carried on almost exclusively by undergraduates.

"daughters innocent"

There has been some difficulty in locating the right man to head this new H.E. department. Kiensy's name has been suggested but there is doubt as to whether he is ready yet to go into this inverse phase of his program, and also if he would be willing to supervise research of such a direct nature.

but she lied

The matter of Laboratory equipment caused some worry for a time; it being felt that the narrowly constructed war surplus equipment would be inadequate. However one of the Pasadena Department Stores was offered to donate all necessary fittings.

Burma Shave

How laboratory specimens are to be procured is still a matter of some speculation. As a last eventuality it might be necessary for each student to provide his own.

(Young girls enter Scripps with gay curls and bright lips; they are fresh things—both pretty and sweet—

There is fear that the grind will injure the spine, blanch color, and broaden the seat. Hence, inventions insidious, un-

PASADENA BOWLING COURTS

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How It Used To Be

(Reprinted from Rivet of 1938)
All Blacker is a stage
And Eagleson's director
He cues the exits; he entrances
And makes one time his part in
many plays.

Shooks Pair

The phenomenal rise of Dr. Harvey Eagleson from an Idaho produce wrestler to puppeteer of Blacker is one of the few authentic Horatio Alger stories.

The decision to built student houses which would be a hybrid combination of padded cells, Mount Athos and Tia Juana's "molino rojo" required that each unit contain a supervisor with all the qualities of Emily Post, Draco, and Jim Farley.

Dr. Eagleson is the sine qua non of keepers. The ingenious Blacker members soon find themselves on the stings and the puppet show is on.

The strings are glued to the puppets by a series of applications of tea and cakes. The little wooden menthen get a coat of cultural-shellac and a Japanese print is pasted on the back of each. The maestro gathers up the strings and the puppets waltz about to the strains of "Pentuphouse Serenade" and to the Dance of the Seven Falls. The suave litterateur then breaks the hearts of his little men by taking away all their illusions of their marionette world. The master machinator laughs and sends them out into a waiting world of humans.



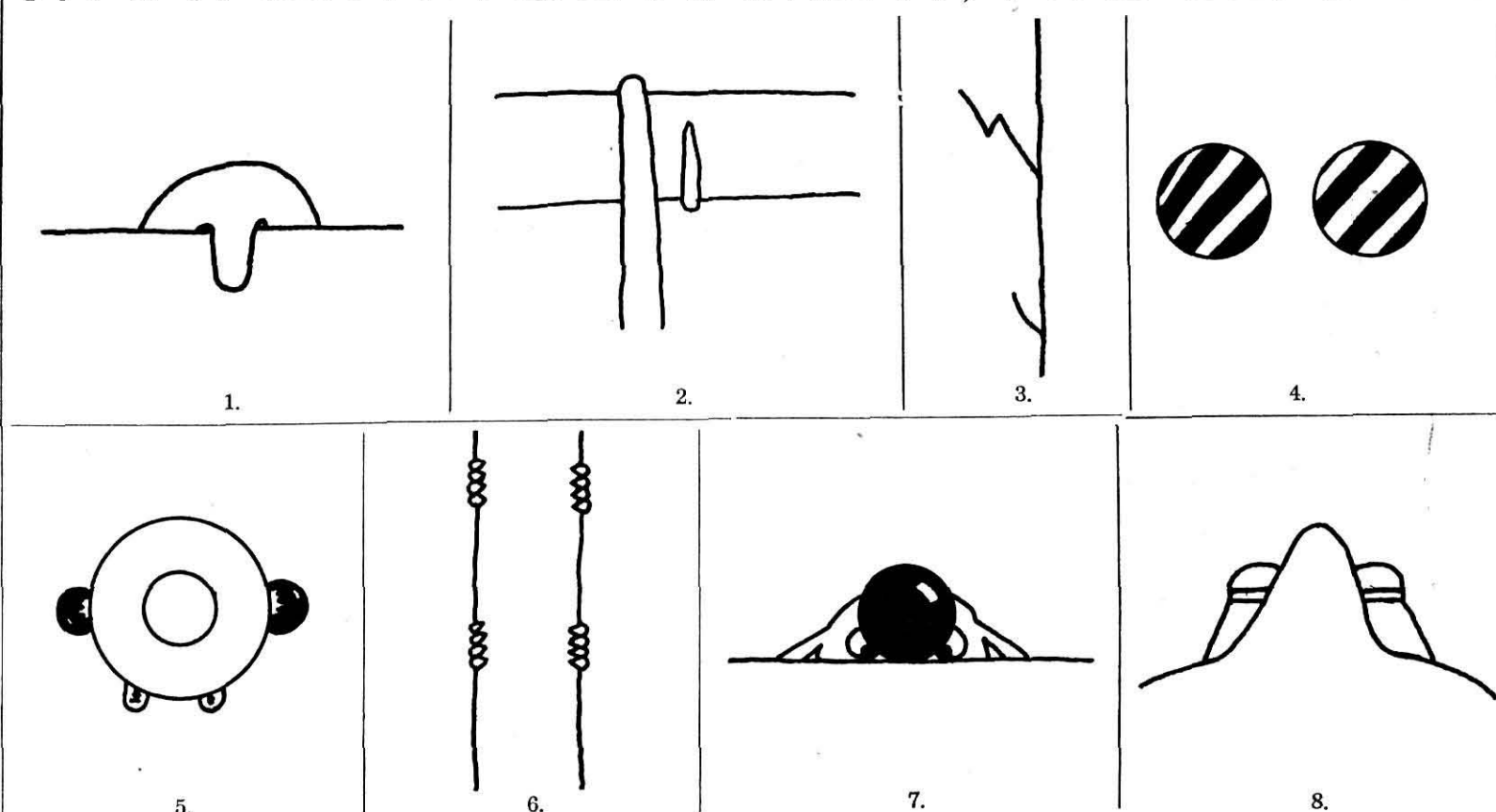
THREE WAYS TO END A DINNER CONVERSATION

1. Ask the lady on your right if she's married. Should she say "yes," ask her if she has any children. If she says "no" ask her how she does it.
2. Ask the lady on your left if she's married. If she says "no" ask her if she has any children.
3. Ask the lady across from you if she has any children. If she says "yes" ask her if she's married.

—El Burro



WHAT IS IT? YOU NAME IT, YOU CLAIM IT



If you really want to know what these true life pictures are—see Deans.

Alas! Days of Yore ...



There is a man within the sacred confines of the California Institute whose soul yearns for the mighty glories of the vanished past. Often his eyes glow with a strange light as he thinks of the happy days now gone forever and forgotten, and of the power that once was his who is now but a ripple on the surface of the sea of life—a bubble in the beer of Tech.

Flop!

Ah, what a fall was there, my friends! Honor was his and the adulation of beautiful women—the unalloyed respect of men! All this now has vanished; he has sunk to the uttermost depths of degradation and has lost the finer points that once made of life such a happy, care-free round of pleasure.

How About It, Angel?

No more do strong men step by to let him pass; no more do charming women follow him with bright eyes. His mind has lost its sharpness; his sallies of wit are greeted with a sublime indifference. His words are commonplace and trivial and they fall unheeded on the ears of the passing throngs. Bitterness fills his cup and he is full of red ants and all manner of creeping things; wetness pervades his being.

Suppose It Was Your Sister?

Fate has been kind to him above the kindness usually bestowed upon the sons of men, but now there is left but the bitter memory to taunt his withered soul; to fill his days with rancor and his nights with fear. Sadness has left her claw-marks on him and he sees the world through a hideous mist of lurid green.

Pity the Halt

What matters his name, for it is legion and his sorrowing wails fill the halls of learning; he is but a frosh and moans aloud for his vanished high school majesty.

(Reprinted in its entirety from the Hot Rivet of Jan. 14, 1926)



Poems

O Blacker men of thee we sing
Ye exponents of pong and ping
Ye he men of the hairless chests
Making smelly puns and awful
jests

Ye worship there a bird named
Doc

Who soon will have the place
in hock

Who sits about and speaks of
Freud

To Blacker's better class one-
thoid —1938

Rack and ruin fill the air,
And all we do is sit and stare
Civilization heads for hell
While only Tech awaits the
bell.

And great God Mil-KING there
to broach
The damned scientific mode
of approach. —1926

Mary had a little car
Into town she'd whisk.
Wasn't she a little fool,
Her little *.

It was midnight in the vacuum,
Not an atom was in sight,
For Dr. Millikan, himself,
Had closed the stopcock tight.

Man: Why do I have hair on
my chest?
Wife: Well, dear, you can't
have everything.

In plain wrapper at any reliable
Drug Store. Wampff's
Wombats.—Adv.

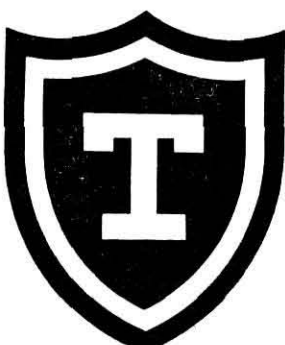
Are You Sure?

The questions for this difficult examination were concocted and compiled in an atmosphere of deepest thought with a most serious purpose. Your answers should be carefully considered.

Don't guess! Number of wrong answers subtracted from those right! If you secure any positive score, consult Dr. E. H. Swift in 201 Gates for possible errors in grading.

Answer by circling T or F:

- T F Rape is performed by kleptomaniacs.
- T F Electrons do not flow, they strut.
- T F Isomerism is living alone.
- T F The Tech iceplant is used in summer to cool the buildings.
- T F Tech's major sport is stein wrestling.
- T F Snakes never close their eyes.
- T F A moral victory is when an unmoral woman marries an immoral man.
- T F A campus is a broad expanse of lush, green grass.
- T F Drinking is not permitted in the student houses and bottles may not be thrown from second story windows.
- T F The honor system is practiced by virgins.
- T F The rubber handbook is banned in Russia.
- T F The Thomas committee has called the rubber handbook "Subversive."
- T F Optimists work crossword puzzles with fountain pens.
- T F The rubber handbook has been banned in Boston.
- T F Senator Tenney is opposed to red light districts.
- T F Caltech is a strategic-scientific institution.
- T F "Graben sie die horst schist?"
- T F Of married persons in the U.S., 50% are women.
- T F Redheads must register under the Mundt-Nixon bill as "communist fronts."
- T F Hawthorne was a 19th century Pasadena writer.



STRATEGIC SCIENTIFIC

(Continued from MacMinn)

mitted that first indications of the plot came when Treasury Department "T-men" made an undercover investigation of Institute finances as a routine followup of "discrepancies" in the income tax returns of one Vasily Fuhrtstien, minister of Building and Grounds at the Institute.

This luminary was discovered "strategic-scientific"

to have misappropriated funds granted him by the Institute for replacing the iceplant which adorns the strategic-scientific campus. He had cleverly concealed a difference of some \$700 between the actual cost of replanting and his estimate by writing it off as "depreciation and cost of new iceplant." As a matter of fact, investigation disclosed that he had obtained the iceplant in a special shipment from Siberia. Government agents are now making exhaustive tests of specimens of the weed on the theory that cleverly concealed in each sprig is "enough bacteria in concentrated form to contaminate the water supply of a large city." They theorize that it was the plan of the subversive group to store the germs in this out-of-the-way place, where suspicion would never point, until the time to destroy the United States.

"strategic-scientific"

At this time, they planned to forment a movement among the students calling for the planting of grass in the iceplanted area, (Continued on Michael)

Order them by name: Wampff's Wombats.—Adv.

Differentiation Made Easy-Or, How to Tell The Sheep From The Snakes

Differential with Respect (?) to:	Ricketts	Fleming	Dabney	Blacker	Throop
Dates, Sources of	Kerchoff	Scripps	Main Street	Pershing Square	Married
Formals, Location of	Steam Tunnels	Club 68	Emerald Bay	Flamingo	Throop
Liquor, Location of	Beer	Stout	Milk	Lydia Pinkham's	Any
Liquor, Partial to	75% (hypcrites)	0.00001%	One	0.0000000%	Not Young
Morals	C. P.	U. S. P.	Technical	?	Married
Purity Test, Men Passing	40%	99.44*	50%	?	Married
Favorite Movie Star	Jane Russell	Jane Russell	Jane Russell	Clifton Webb	Margaret O'Brien
Honorable Mention	Carrol Landis*	Carrol Landis*	Carrol Landis*	Carrol Landis*	Guy Kibbee
Favorite Faculty Member	Hertenstein	Pauling	Mrs. Wolf	Tuffy*	Bulwada
Hobby	Sleeping	Sleeping	Sleeping	Pocket Pool	Sleeping in Cass
Vacation Spots	Slotz's Motel	Slotz's Motel	Slotz's Motel	Slotz's Motel	Slotz's Motel
Favorite Singer	Peggy Lee	Vern Edwards	Dick Alexander/**	Bobby Breen	Jo Stafford
Favorite Song	How Out of It . . .	—Your Father's	The Big Wheel	Any Madrigal	I Wish I Were Single Again
Political Platform	Swimming Pool	Swimming Pool	Swimming Pool	Swimming Pool	Swimming Pool
Favorite Athlete	Harvey Wright	Dennis Long	Gorgeous George	Bill Tilden	Gretchen
Favorite Sport	Water Polo	Ping Pong	Non-athletic	Oscar Wilde	Biertrinken
Love Technique	Get 'Em Drunk	F F F F	Sweet and Slow	Brotherly	Married
Chief Assets	Forester	Bike 59	Nature Boy	Forester	Gretchen
Chief Weakness	Women	Women	Women	Fairy Stories	Dirty Magazines
Favorite Author	Bocaccio	Kinsey	Kathleen Winsor	Hans Christian Anderson	H. Lass
Favorite Philosopher	Dr. Millikan	Dr. Millikan	Dr. Millikan	Dr. Millikan	Phillip Wylie
Future Vocation	Cess Pool Cleaners	Blivit Benders	Sanitary Engineers	Insurance Salesman	Normality

Mumbling It Over

with Braven Oracle

The other day I stumbled over Q. Lewenho Spalenzani, the world's fastest IT as he lay sprawled on the floor of the Greasy completely gorged with chocolate malts. The rest of this column is devoted to an exclusive interview in this great athlete's own words.

Little Willie fell
"Yes, I am the world's fastest IT. It's really nothing at all, anyone who can run the hundred in 9.00 seconds can say the same. Yes, it is true that I am great. I have known this since I was three years old when I ran 9.8 against the wind in the Compton Invitational. Some coaches thought I was just a flash in the pan, but I told them that they were wrong. You see I realized then that I was the world's fastest IT"

in the elevator.
"When I was seven years old I was approached by a little, bold, fat man with a bow tie who kept jingling a bag full of silver dollars and repeating, "I'm sure you would like the atmosphere at USC. When the smog lifts you can almost see the top of the Coliseum. And the Alumni was so friendly. I wouldn't be a bit surprised if you woke up some morning with a Buick convertible parked under your bed." But I, of course refused. I still had a year of high school eligibility left. The sad part of my story centers about that last year in Southeastern Northwestern High."

Wasn't found till
"Not only am I the world's fastest IT, but I'm also the world's best looking IT. This was the beginning of a crucial period of my life. I fell in love. Yes, you're right. I'm the world's fastest IT. It wasn't long before I was married and had a little one on the way. Some guy named Wisecarver kept sending me

threatening letters to get out of town or he would see that I got a pulled muscle. And sure enough I did."

six days later.
"It was the night of the City Finals. A cold damp air hung over the track. I don't want to say it was cold, but the coach had to chip me out of my sweat suit (the one that has my name spelled out in neon letters) so that I could bow to the crowd. Bob Spinner was the starter that evening and I slipped him the usual twenty to be sure the gun went off when I started rolling out of my holes. As I blazed down the cinder path I felt as if I were going to break the record.

Neighbors, sniffing said,
About at the 75 yard mark something went haywire. I realized that the race was only 99.993 yards long. I motioned frantically for the timers to moe the tape back, but they thought I was just waving to the crowd. The time was 9.1 but was not accepted by the AAU."

"Gee Whiz" what
I was so heart broken that I joined the Navy. I had to lie about my age, (I was only nine), but I looked old for my age. Walking those steel decks drove me nuts. Luckily the ship doc had a little bottle that fixed me up and after a few days off my feet I felt great. Didn't get much chance to work out until we hit Catalina. And then there wasn't room to throw a blanket down."

a spoiled child
"Once again I was a civilian with all of the big schools after me to run for them. But I wanted to run for the love of running. That's why I came to Tech. Also check those two large holes in the top of my head. Doc Pains was grooming me for my debut in the Olympics.

(Continued on Swift)

DID YOU KNOW?

Little known facts about Tech's well known athletes:

Did you know—**Ed Revay** is a golfer, and may play on the divet team next year.

Did you know—**Chuz Howard** recently turned down a pro-football contract — Atlantic City beauty contest coming up, you know.

Did you know—Despite rumors to the contrary, **Dwight Schroeder** will not marry Greta Garbo in the fall. He has two years of eligibility left, kiddo.

Did you know—**Thorne Butler** has refused a 500 dollar scholarship from Oxy because of what he termed "political reasons." Thorne, you know, is over six feet tall.

Did you know—**Ted Bowen** is seriously thinking of leaving Crud Alley; says "I can't stand

Froshiders WIN GAME Repeat: Win

Indicating a vastly superior baseball team, the Frosh nine unofficially ended their 1948 season Tuesday with a 15 to 3 victory over the P.T.O.

Early to
Despite terrific opposition and remarkable fielding and hitting on the part of the P.T.O. the Beaverbabes scored in every inning (note: due to impending rain only three innings were played)

bed, early to
Playing under a serious handicap due to a misunderstanding in rules the Frosh were required to make four outs an inning while their rivals only had to put two men out.

rise, makes a
The first P.T.O. run came in the second stanza on a hard hit ball to fielder "Powderkeg"

the bunch of rowdies that live there."

Did you know—**Erle Brown** Did you know—**Dennis Long** lives with **Dennis Long?**

Did you know—**Erle Brown?** Did you know—No one lives with **Stan Barnes.**

Did you know—**Jay Montgomery** was a Frosh last year. More than that, he was a Soph this year. He hopes to be a junior

Fleming Sports

Sharp. Errors on the part of an erratic infield gave the opposition two more runs.

man healthy,
Daredevil Dean Daily, veteran of many tough games, was knocked out of the box early in the contest (secondbaseman Biggers accidentally threw a ball at the pitcher and hit him in the noggin).

wealthy, and wise.
The overjoyed team is contemplating resuming the series next spring if possible. Coach Higgins of the P.T.O. did not indicate whether a return game could be arranged, as she doesn't know how many of the same Pasadena Telephone Operators will be still working for the company next year.

next year.
Did you know—**Don Baker**, despite the fact that he is planning a wedding, expects to be a geologist!

Did you know—**Ed Alexander** has played tennis since the age of two, but is not a Tau Bete!

Did you know—**Etaoin Shrdlu** is not a Tech athlete; in fact he

"YOGA FOR YOU" Says Musclehead

Dr. Rollo A. Musclehead, head of the Institute's "Sound Mind in a Healthy Body Division" announced today that a compulsory course of yoga, dieting, and physical discipline to be directed under the co-supervision of Bernarr McFadden and G. B. Shaw will be given to all Freshmen.

In line with the new policy, the only food to be served in the student houses next term will be tossed iceplant salad, sour goat's milk, and fried corn meal mush. Also two hours of tiddly-winks and one hour of "Navel-contemplation—1A" per week will be required for Physical Education majors. For further information see the latest copy of "Strength and Health" magazine.

isn't even going to Caltech. Fact of the matter is he isn't expected



What They Mean . . .

Frosh: "What do you mean by slinging the bull?"

Soph: "To sling the bull is to prevent the professor from realizing that you're saying nothing in a great many words."

Junior: "To sling the bull is to say little in a great many words so as to give the impression that you are familiar with what the test is covering."

Senior: "To sling the bull is to say as much as possible in well-chosen words so as to convey the impression that you are familiar with the material under examination in spite of the fact that you have been unable to devote sufficient effort to study adequately an unduly difficult assignment."

CAMPUS BREWINS

(from Smythe)

just, and invidious—in which freshmen their future entrust: A mystical varnish stops stain and all tarnish, immaculate conception and rust.

And one should not be surprised if they treated the eyes in a manner both grave and disarming.

For all of them seek men chivalric and sleek, who answer the name of Prince Charming.

"Now, it's nice if one's mate has cultured the trait of approaching sartorial perfection, And still looks attractive—or mildly distractive—in the wake of domestic affection; But it's quite a sensation to have a relation quite sanely—yet know in a while, You will wake from your rest with a lady who's dressed in the perfect late Renaissance style.

"Well, they're learned enough—with their heads crammed with stuff from Browning to Dante to Adrian, But they're really not suited for

anything rooted in sentiments post-Victorian; They take to their heart 9th Century Art — they whistle Gregorian chants— But can they boil water — or bring up a daughter—or sew tears in the seat of your pants?"

So Lothrop O'Hare at that moment prepared to make up for his youthful error: Resenting her life, he reached for a knife, while she watched him with medieval terror!

He slashed at a tapestry (Citing Greek history)

He quite stopped her breathing, Imported jade heaving, Cracked wide her cranium, Then with uranium, Poisoned her thoroughly, Cut her up hurriedly, Finally dissolved her, In diethyl ether; With his flair for finesse, Distilled off the excess— Ether's not cheap, And O'Hare's not asleep!

But thank goodness all Tech-men don't date Scripps!



Well-balanced, diversified research program a major activity at Du Pont

Top-flight scientists from leading educational institutions have 36 modern laboratories at their command

This year about one-third of all Du Pont sales will consist of products which 10 years ago did not exist or were not manufactured on a commercial scale.

Behind most of these new products stand the knowledge and initiative of the research man. For at Du Pont, research is a major activity, employing the talents of hundreds of top-flight scientists drawn from outstanding educational institutions throughout the country. Its well-balanced and diversified program is carried out in 36 laboratories, which house the facilities of the 10 manufacturing departments, the Haskell Laboratory of Industrial Toxi-

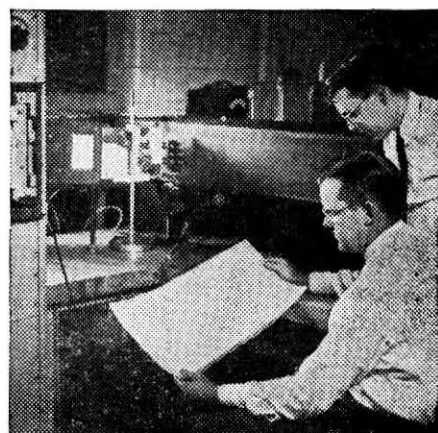
to Du Pont, without regard to specific commercial objectives.

(2) **Pioneering-Applied Research**, concerned with new processes, products, and uses.

A substantial volume of the Chemical Department work is carried out under sponsorship of the manufacturing departments in close cooperation with their laboratories.

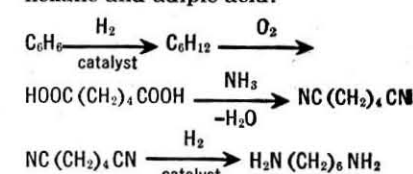
Research workers in the Chemical Department are encouraged to assume important responsibility in the formulation and prosecution of research programs. They have at their disposal a variety of expert technical services and the most modern equipment available for conducting research.

An example of the special facilities available is the Pressure Research Laboratory, equipped to handle a wide range of exploratory chemical reactions and



Examining an infrared spectrum of polyvinyl alcohol in connection with the fundamental physical characterization of the polymer: J. R. Downing, Ph.D. (Phys. Ch.), Illinois '40, and D. G. Pye, Ph.D. (Phys. Ch.), Stanford '43.

mine, an intermediate for nylon. This compound is prepared by high pressure hydrogenation of adiponitrile, which may be made from benzene via cyclohexane and adipic acid:



Many other outstanding products have come from Chemical Department research, including neoprene, the versatile synthetic rubber; sulfamic acid, an inorganic flame retardant and weed killer; "Astrotone" synthetic musk; and nylon, the first wholly synthetic organic textile fiber.

Du Pont's research policy is founded upon a continuing and well-balanced program, which is backed up with modern research facilities. But most important of all is the quality of men that Du Pont attracts. From their constant flow of ideas back and forth are coming the better things for better living of the future.

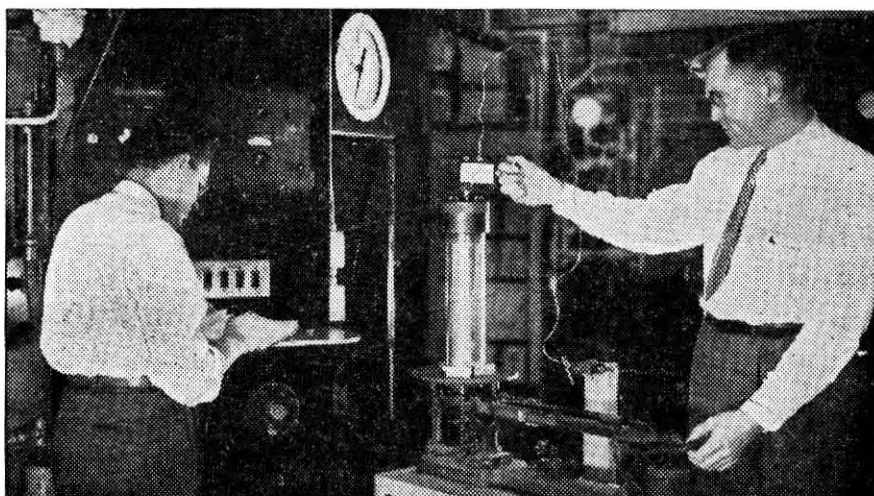
Questions College Men ask about working with Du Pont

What Levels of Training are Required for Laboratory Work?

College-trained men with Ph. D., M. S., and B.S. degrees are engaged for research and development work at Du Pont, those with advanced degrees usually being assigned to the more fundamental studies. Approximately 39% of the technically trained laboratory personnel hold doctor's degrees, about 29% have master's degrees. The majority of Chemical Department men are Ph. D.'s. Write for booklet, "The Du Pont Company and the College Graduate," 2518 Nemours Bldg., Wilmington 98, Del.

DU PONT
REG. U. S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING
... THROUGH CHEMISTRY

More facts about Du Pont—Listen to "Cavalcade of America" Monday Nights, NBC Coast to Coast



In Pressure Research Laboratory, M. C. Nelson, B.S. (Ch.E.), Iowa State '40, and G. F. Hager, Ph.D. (Organic), Wisconsin '43, weigh materials into autoclave preparatory to a run.

colony, and the central Engineering and Chemical Departments.

Chemical Department Program

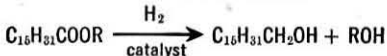
The Chemical Department, a separate department reporting directly to the Du Pont general management, has a technical staff of approximately two hundred chemists, chemical engineers, and physicists. Its work consists primarily of two types of research:

(1) **Fundamental Research**, aimed at the advancement of scientific knowledge in fields of present or potential interest

polymerizations at superpressures. It is staffed by chemical engineers who work closely with chemists in studying reactions at very high pressures.

Use of Special Facilities

A number of important research accomplishments have resulted from the use of high pressure facilities. Among them are the hydrogenation of fatty acids and esters to long-chain alcohols:



and a synthesis for hexamethylenedia-



How did you do in the Swift, Bub?

CARL'S CALTECH BARBERS

5 GOOD BARBERS—APPOINTMENTS IF DESIRED

ON CALIFORNIA NEAR LAKE

P B A A Sports

PROMINENTECATHLETES INTERVIEWED ARE

In keeping with the fine journalistic pattern set by this leading news sheet, we have attempted to let you, the average Caltech student, know your athletes better. Interviews of prominent Tech lettermen follow and indicate their views on various aspects of life at Tech.

When I was young,
Dennis "Lard" Long—
Q. What is your chief interest while enrolled at Tech?
A. Women.
Q. Do you approve of the intercollegiate athletic program as carried on by the Institute?
A. Generally, yes; specifically, no.
Q. Please elucidate.
A. Pardon?
Q. Could you expand a little?
A. Give me a good twenty

to beat Patton in the Olympics. Did you know—Dick Libbey has Petite Feet, and is probably (though we haven't checked with the registrars office yet) the tallest Libbey on campus. Did you know—Hal Musselman is not eligible for intercollegiate competition.

course dinner and watch me go.
Q. I'm sorry, but you misunderstood; how do you think we could have a better athletic program?

And in my prime,
A. Oh, well, I think a certain prominent group on campus has the right view toward sports. In fact their motto exactly expresses my views. Think the name of the outfit is the P.B.A.A.

Q. I see. Thank you for the illumination.
A. Light? Just a minute I have a match somewhere.

Paul "Loon" Saltman—
Q. Loon, you are one of the best known personalities on campus, both in sports, as well as in the newspaper field. As an introductory question, do you think Fleming will retain the Interhouse Trophy next year?
I used to do it

A. Goon is the monicker. Well, and I speak for the entire happy family known as Flemingmen, we will never be defeated for the trophy. Hence by deduction and reasoning, we will win next year.

Q. What about Dabney? After all they came within two points and a tennis match of winning this year.

all the time.
A. Merely an error in Nerrie's point-tallying. Actually we won over Dabney by 201 to 30—using the revised Fleming point list. According to this list Throop actually finished 100 points in the hole.

Q. Hm. Changing the subject, what do you believe will be Tech's strongest sport next year?

A. I've been thinking that over and after careful consideration of all sports I think that we can expect great things from the crew squad.

But now that I
Q. Just a minute. I was under the impression that Caltech didn't have a crew team.

A. Communist propaganda. You must have heard that from Braven Dyer. Actually Tech has a team that can match any on the coast.

Q. Is that so? Who are some of the crewers?

am old an grey,
A. The team will be made up of men from one of Caltech's strongest organizations, and incidentally a group of our best athletes.

Q. My, my. What organization is that?

A. The P.B.A.A.

Hal "Mussels" Tyson—
Q. Hal, you have done quite a job in your two years at Tech. Do you find that studies interfere with athletics?

A. Hardly.
Q. Well! Switching the subject, do you think Andy will lead the football team to a conference title next fall?

A. I can't see how they can miss. With men in the backfield like Funk, Tyson, Muehlberger, Tyson, Dayman, Tyson, and a line of such heavies as Bass, Tyson, Long, Tyson, Hibbard and Tyson we have a winning combination.

Q. In conclusion, what person or group of persons do you believe are most responsible for the winning teams of this past year?

A. The P.B.A.A.

Once a day . . .
Bill "Pig" Palmer—

Q. Bill, as a backstroker on the swim squad you have truly earned a name for yourself and your school. Why, every person who knows anything about any-

Golfers Explode at PGA

TECHATHLETICPLANT SET TO GROW!

FLASH—
President's Office, Caltech

In a release to the nation's press today Calif. Institute of Technology President Lee A. DuBridge stated that Caltech has received a five million dollar grant for the express purpose of establishing a gymnasium and million buck football field within the next six months.

Rest today

Work on this breathtaking project will begin immediately and it is expected that the Tech athletic plant will rival that of

even Chapman College. Most students were overjoyed, but many refused to believe the news which electrified Pasadena, and the rest of the sports world. Some doubting Toms have attempted to dampen the spirit of Beavermen with ravings that Tech has been planning an athletic plant since 1906.

for tomorrow

Among the many improvements planned for the brawn capital of the nation is a 100 yard football field, something (Look under Chili)

CHILI AGAIN



SEX

(Continued from MacMinn)
The following sex breakdown was released by the registrar's office recently:

Male students	731
Women students	000

thing in sports on the coast, recognizes that you are an outstanding backstroker.

A. Breaststroker!

Q. Oh, yes, how silly of me. Well, may I ask you a question that you may have answered before. What do you think of the iceplant?

A. Not only does it add to the intense beauty of the campus, but it saves the campus piles of money every year. I definitely think it's here to stay.

Burma Shave

Q. That is indeed a unique opinion. By the way, did you know that Mr. Wallace holds those same views?

A. Why, yes. In fact I'm voting for Henry, you know.

Q. Getting back to sports, do you think we should add any sports to the present athletic schedule?

A. Yes, one. I've noticed the complete absence of one of the greatest national sports from our campus, namely, underwater golf.

Q. Frankly, Bill, I've never heard of the game, and I have eight months of sports writing experience. Do we have any men on campus besides yourself who engage in this sport?

A. Yes, as a matter of fact, we do. There are some men that specialize in "wet tees," as the sport is sometimes called, that belong to an exclusive group on

which is expected to revolutionize the pigskin game. In recent years the football field has been limited to 100 yards.

you may

Because of the fine addition to the campus it is hoped that leading athletes from high schools and colleges over the U.S. will enter or transfer to this school. Rumors circulating around the athletic office and Fleming House have it that Caltech will withdraw from the "small-time" S.C.I.C. and will petition for admittance into the Pacific Coast Conference. It is feared that P.C.C. director Victor Schmidt will refuse the application on the grounds that the Coast loop isn't big enough for a team like the Beavers since the loop has a team named the Beavers already.

be tired.

Mentor Andy Anderson, soon expected to rank with Knute Rockne, Fielding Yost, and Lanschmire Saddleleap as all-time football coaches, could not be reached for comment. However, we were fortunate in getting an exclusive interview with a holdover from last fall's squad, Manual Bass. When asked just what he thought of the expected new field and gymnasium, Bass said "When do we eat?"

campus.

Q. Pray tell, what's the name of the group?

A. The P.B.A.A.

MUMBLING IT OVER

(Continued from Miriam)

Willie is.

Remember I was only eleven. He was going to bring me along slowly. I didn't begin to run until the conference was over, missed the big relay meets, skipped the invitationals and just started warming up for the tryouts. Will I take the Olympics?? Hell yes, I'm the world's fastest IT!"

ENTERING UNDER NAME OF "RILEY", TECH SEVENSOME PLAYS ONE BALL; FINAL MATCH VS. HOGAN INDECISIVE

Luckily, Marlene Bauer Didn't Play

Early this spring, St. Louis saw the most stellar golf ever played, when a group of Tech men, consisting of Pinky Moore, Ed Revay, Bob Benton, Jack Moffat, Virgil Sims, Big Don Barrie, and Sage Burrows entered the famous PGA golf championship.

Little Willie
Due to the fact that the PGA is limited to 64 players, the Tech entry was forced to amalgamate under the name of Riley, and to play only one ball. Officials frantically thumbed through their records, and finally announced that this was the first one-ball sevensome to be entered in the history of the tourney.

feeling fine,
Because of their sterling performance throughout the season, the Tech contingent was given a series of byes, placing them in the final round, matched against Bantam Ben Hogan.

On the 565 yard par 5 first hole, Bob Benton's electronically wound drive put the Tech team three inches from the cup. Fortunately, however, an earthquake jarred the ball into the hole. Hogan's golden eagle 2 wasn't quite up to standard.

stole his father's
The Beavers won the second hole by a fluke. Revay's smashing 165 yard drive, followed by Pinky Moore's 230 yard 7 iron put the Beaver's ball on the edge of the green. Hogan's Second shot stopped ten feet from the hole. Barrie was selected to putt for the local squad. He picked his slow green putter, looked at the ball, looked at the hole, and asked Burrows to comb the green.

favorite wine.
Meanwhile, Hogan had flown to California and qualified for the National Open. When he re-

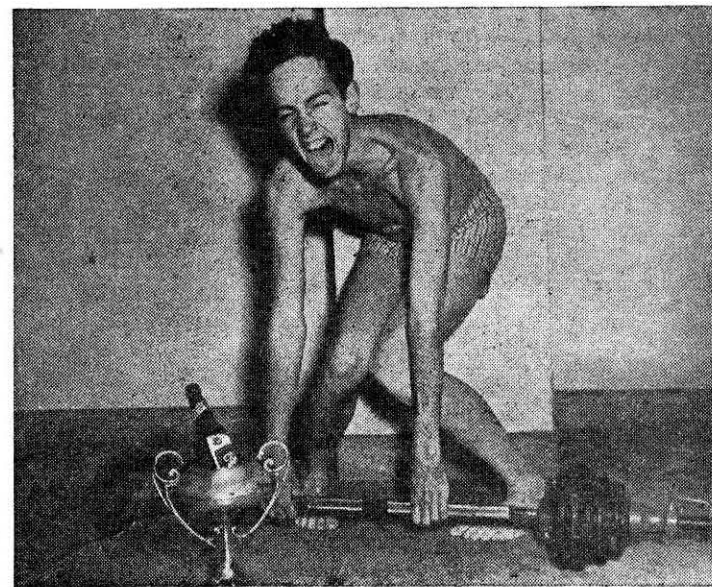
turned, he noticed that Big Don was ready to putt, so he set the alarm for 6:30. He was awakened just in time to see the ball roll up to the hole, hesitate momentarily, and fall in. Ben was unable to sink his short putt.

Mother seeing
The match proceeded uneventfully until the 17th. On the 17th tee, Hogan realized that he would have to win the next two holes in order to tie up the match. With this thought in mind, he settled down and carded an 11 on the hole. Moffat hooked his drive off the tee, and the ball landed in the water hazard. This left Sims with a very difficult shot. Undaunted, however, he hit a spectacular shot that fell just short of the green, in the trap. Barrie took over at this point, and managed to get out of the trap in 4 strikes. Burrows slightly misjudged the speed of the green, and Barrie was again called upon to blast out of the sand.

he was plastered,
In three more strokes Big Don managed to hit the green, four inches from the hole. Revay's nervous putt lipped the cup. Ed's brain finally snapped under the grueling pressure of championship play, and he walked to the edge of the green and broke his putter over Coach Anderson's head.

Cried, "Go to bed"
Benton's tee shot on the 420 yard 18th was a little long, but, as luck would have it, the ball exploded while passing over the hole. Dr. Swift ran a quick analysis on the center of the ball, and found it to contain neutrinos, alpha particles, one stray cosmic ray, two unsolved differential equations, three grams of morphine, and a brassiere. (See Snapper)

I Was A 97 Pound Weakling



Men scorned me. Women snickered behind my back. I was weak, nervous, irritable, run down, lacked drive, and confidence. Then a friend introduced me to Charles Hapless' Kinematic Suspension. At first I didn't believe that anything could do much for me in my condition. How wrong I was. After only six weeks following the Hapless' Kinematic Suspension instructions I have noticed a marked change in my physical makeup. Not only am I weaker, more nervous, irritable and run down, but I now have absolutely no drive or confidence whatsoever. Furthermore my doctor told me that I have only two weeks to live.

Finally, I lost a pound while taking the course so that now I AM A 96-POUND WEAKLING.

You, too, can share my experience.

Send for your free sample today.

OAK KNOLL

Cleaners and
Laundry

BERLOU
MOTHSPRAY protects
me for 5 YEARS!



LET A VET SERVE YOU

THREE DAY CLEANING SERVICE

FOUR-DAY
LAUNDRY

902 East California Street
(4 Doors East of Lake)
SYcamore 3-6704

Next Door to
Caltech Barber Shop

Jonker's Florists

3 Doors South of Lake and California St. SY. 3-7167

The Secret Life of Professor Mitty

The Secret Life Of H. Frederick Bohnenmitty

A reverent hush fell over the crowded hall as Professor H. Frederic Bohnenmitty came striding to the lecture stand. All was silent as he lay his notes upon the lecture stand, opened his papers, glanced at them almost condescendingly, and then turned off the lecture light.

"They say he only brings in notes so as not to make the others feel inferior," whispered a man in back to the scholar sitting next to him.

"Gentlemen, today I am going to speak to you about further nitesimal infinitely repeated divergant isotropic calculus. As you no doubt know, the fundamental work on this subject was done by Gauss. In the papers of Galois, there are certain indications that he saw the significance of these applications I am going to show you today.

"Since the time of Gauss, nothing had been done with the basic ideas except for the one case I just mentioned. Several months ago, on the suggestion of a colleague, I developed the following equation." Professor Bohnenmitty here wrote on the board in clear firm letters. A low murmur went through the hall.

"I spent three years working on that equation," one man whispered to man beside him, "and now he develops it from a special case of his general theory. I might as well tear up my notes. My reputation would never stand up against his."

A young man in the eighth row turned slightly to his companion and said, "He speaks well doesn't he. He used to have quite an accent, but you would never know it now to hear him talk."

Professor Bohnenmitty continued, speaking easily without so much as a glance at the clock in the back of the lecture hall. In swift, accurate motions, he sketched equations on the black board, explaining them as he wrote.

"The question of the convergence of this series is quite difficult, so I will not cover it here. But you may find the necessary proof in volume 142 of the 'Journal fur die Reine und angewandte Mathematik' page 292. Under the conditions we have here, we see that although the series itself is convergent, it is not absolutely convergent. We can however investigate the uniformity by a simple theorem which I will now derive."

"They say he has done more for mathematics than any man since Gauss," hissed a gentleman in a gray suit to his neighbor . . .

"Oh professor Bohnenmitty . . ." professor Wardheeler caught up with him, "I wanted to see you after you finish your lecture to the sophomores."

"Certainly," he stopped with his hand on the door of 201 East Culvert, "anything impudent?"

"I just wanted to talk to you about teaching a frosh class next year."

"All right, I will to your office at end of die lekture kome." Then he turned and entered the lecture hall. Glancing about, he saw that about half the class was there. "A good turnout this morning," he thought to himself.

"Dis morning," he started, trying to make his voice carry above the pocketa-pocketa of the air hammers cutting up the street outside, "I vill speag about meatods of integration." The class settled down to a uniform bored look as his voice droned on.

"At least his writing is clear,"

someone hissed to his neighbor in a voice that carried all the way to the front of the hall.

"His speaking certainly is cryptic enough," came the answer, carrying just as far.

. . . "Isn't that Dr. Bohnenmitty, the great cryptographer?" a young soldier asked of the guard standing next to him.

"Something hot must be up, if they call him all the way from California to Washington."

"He sure is in a hurry," the guard replied, "He's going for that code room like a bat out of hell."

"Sure must be important. The secretary of state went in there about half an hour ago with a couple of generals, and they all looked pretty green."

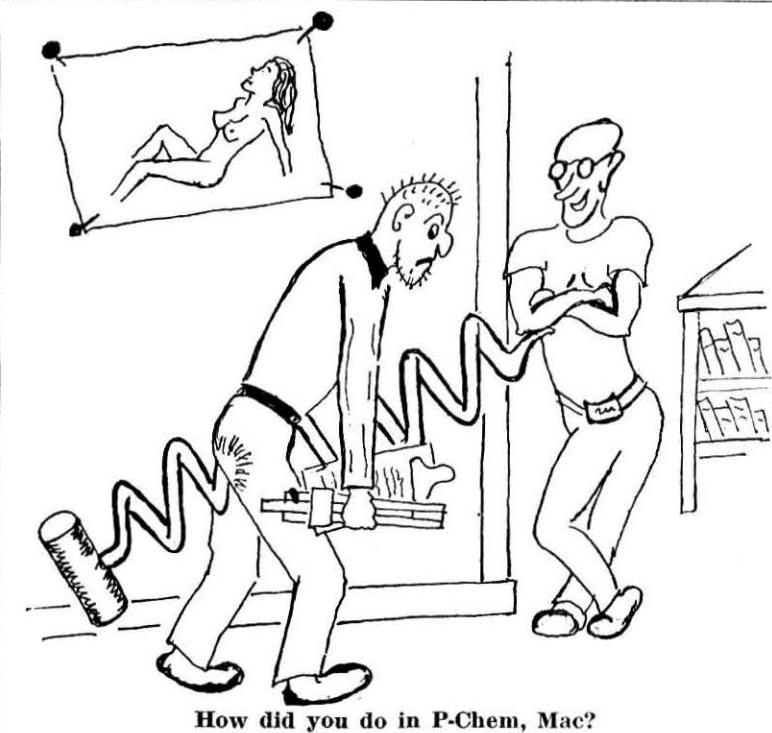
"Look there — that's the defense secretary . . . and that's the president behind him!"

"My God—this must be big."

Inside the code room the scene was tense. Dr. Bohnenmitty sat at a large table glaring at a single sheet of paper laying before him, rubbing his right ear lightly with his left hand. Behind him were standing a number of high officers. The secretary of state sat fidgeting in one corner, lighting a fresh cigarette from the glowing butt of another. His hands trembled slightly as he puffed. Suddenly the door opened and two men strode in, faces tense.

"It's the president!" someone hissed.

"Lo Bony," the president spoke, his voice clear and unwavering, only the blanched whiteness of his face revealing his inner turmoil, "Someone ex-



plained the situation to you?"

"Hello Hal," he glanced up from the paper, "Yes, they told me."

"Do you think you can crack that code?"

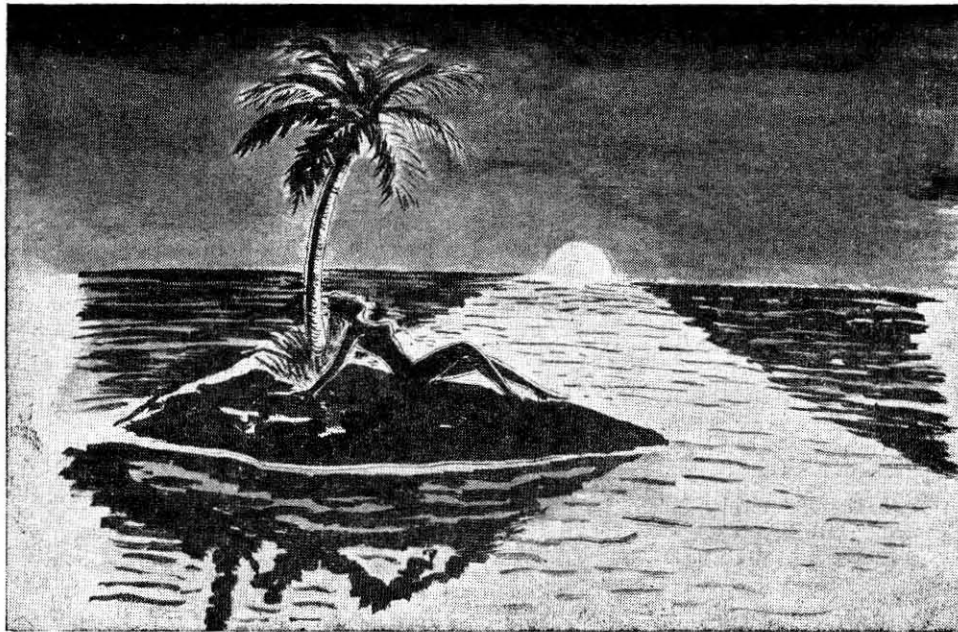
"I don't know how long it will take. From the structure I would say that it is a double transposition with an infinite key, probably done in some foreign language, more likely two mixed. The one I am sure is Chinese. The other might be some western language."

"If Dr. Bohnenmitty can't crack it, no one can," one of the generals whispered to another.

For half an hour there was a dead silence in the room except for the quiet pocketa-pocketa of the gigantic computing machine as Dr. Bohnenmitty fed numbers into it. The secretary of state tore open another pack and dropped strips of tinfoil into the litter of cigarette butts in front of him.

Do you long to escape from reality?

Read the sad story of these men who did . . .



The Secret Life Of H. Walter Battajahns

R. Walter Battajahns was in high spirits. Would not he, at only 37, be elected a member of the National Academy of Sciences—the youngest member ever elected?

"Allow me to felicitate you" he continued, fixing the image in the mirror with a satisfied gaze, "upon the laudable manner in which you have perceived the advantages offered by your position and capitalized upon them."

He adjusted his Railroader's cap at a more jaunty angle.

Outside, he heard his secretary's voice, as she informed a student, "I'm sorry, but Dr. Battajahns is feverishly working on

a Research problem and cannot be disturbed."

"But it's a matter of life and death. If I don't get his signature on this today, I won't graduate."

"I'm sorry, but the rules are inflexible. How about, say, 2:45 on Tuesday, Nov. 32, 1951? I think that will be all right."

"But I've got to see him today. Look, I've already been in here 39 times this term, and always its the same. I don't want to always be senior. . ."

"How can he do it," one of the new men asked in awe.

"He just isn't human," a senior returned.

"He's carrying 167 units this term" one mused.

"That's nothing. Last term he took 231 and pulled down a 4.0."

"He did?"

"Yes, and what's more, edited the California Tech and Big and Little Ts, to say nothing of President of Tau Beta Pi, Captain of the Basketball team, and Most Valuable Player in the SCIC in Baseball three years running, with offers from most of the major league teams."

"Gosh. . ."

"The McKinney and Conger prizes were his by default, the Scott Tennis trophy a cinch. And all with a 4.0."

"Must be an awful snake."

"Not a bit of it. Wittiest man in the house. And what a technique with the ladies—why he even makes Bob Sharpe look rough. He doesn't need to study. Wonderful intuition—mind like a steel trap. Just for the fun of

from here. We've got to stop them."

A general was already speaking on the phone. "North-east, that's right . . . No they don't have a critical mass yet . . . about half an hour . . . don't let them get wind of your approach . . . that's right, they might try that . . . all right, but for God's sakes hurry."

An alarming clanger of a warning bell brought all of their heads up . . .

"Aferd you change die variable, you can integrate by bards . . ." the ringing of the bell stopped the professor's lecture. Before he could continue, the class was blocking the door as they hurried out.

Silently, professor Bohnenmitty picked up his notes and (Continued on Michael)

GOLFERS EXPLODE

(Continued from Swift)
The FBI immediately collared (Continued on Michael)

The Secret Life Of H. Walter Lass

H. Walter Lass stepped back in cool detachment as he watched his opponent struggling on the ground for his 38th one-arm pushup. Flopping in exhaustion on the ground, his opponent, a game Englishman, said "By Jove, Lass, you've whipped me fair and square. You did 674 one-arm pushups while I can only manage 38." "Don't take it too hard, Old Boy," replied the gallant H. Walter, "Not many guys can do what I can with one arm."

The scene was the International Olympic Games of 1950, where H. Walter Lass had created a sensation by setting new world records in one-arm push-ups, the decathlon, shot put, discus, and hop-skip-and-jump. The presentation of his award was a momentous ceremony, but H. Walter was cool as ice.

"You guys just give me the medals, see, and I'll be off," he remarked with becoming modesty. "I have to give a lecture on tensor analysis in ten minutes. Al Einstein will be in the audience and I don't want him to miss any points. Besides, he asked me to tell him about my solution of the free-body problem."

So ignoring the cheers of the assembled multitudes, H. Walter Lass strode off the platform and into his limousine, driven by Herr Doktor Morganward. His last words were heard to be "This free-body solution will kill old Al."

of the San Andreas Rift. "Move, you son-of-a-gun, he raved, throwing one of the nicely oriented thin sections Rudy had just sent up at it. He subsided into his wellworn chair, with the ease gained of years of practice, and soon was nearly asleep. . . . "I'm worried, said Gov. Warren. Are you sure there's nothing you can do?"

"Sorry Governor," Bu replied. Bob Sharpe and I worked on that thing for hours, days, weeks, months, maybe even more trying to get that thing to move. No luck. We tried dynamite; even TNT."

"And there's no hope?"

"No, Governor. If the pressure on that fault is not alleviated at once, and in some manner in which only a small section is released at a time, I expect San Francisco, Los Angeles, and San Bernardino to be destroyed almost momentarily. I. Surely Tricter and his geophysical crews have data which is in complete agreement."

Just then H. Walter Battajahns appeared over the horizon, rapidly mapping in detail in his helicopter. Spying the two leaders, he settled down his craft.

"Anything I can do, gentlemen," he queried. "Allow me to felicitate you upon being fortunate enough to attract my attention."

"Well, Walter," Bu said, "I'm afraid this is just not my fault. I've pleaded with her, coaxed her, made fancy promises. She just won't move the way we want her to."

(Continued on Michael)

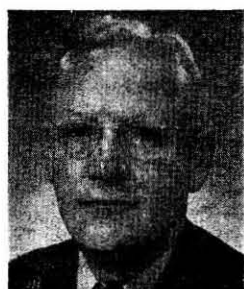


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How did you do in the Millikan-Roller, Watson?

The Private Life of H. Walter McDreary Smartell

Old Prof. McDreary chuckled gleefully to himself as he thought of the way that things had worked out. What a vast improvement this was compared to these miserable days at Caltech. He remembered teaching his 15 unit course in Cambodian History required for all seniors. How he laughed as he recalled the way in which he flunked them all that term when no one knew where the third governor of Spanish Morocco had been born nor the date of the first naval treaty with Lichtenstein. Yes, but how they all persecuted him. All the students and even faculty would laugh at him when he wasn't looking but now he was showing them.

He had to admit that changing his name to Jose Gonzales McDreary had greatly aided in his

becoming the Grand Imperial President of Costa Rica. All the peons had cheered when he abolished the tortilla tax and replaced the water in the public fountains with tequilla. And after he reduced the work week to 12 hours, the people didn't mind too much that Cambodian History be required in all the schools.

Yes, here, so far from Tech, people no longer just called him "Rank Hank" when he stepped up to the podium to discuss history and his part in the great War, how he had singlehandedly captured 35 German I&E textbooks. And when at the great University as was the custom in Costa Rica, the annual Senior-Faculty Cucumber Rolling Contest was held, Jose would roll the first cucumber amidst the

cheers of the throng.

These thoughts warmed his heart. He had to admit that he also found his living accommodations quite adequate. The mansion was beautiful and it was only a few minutes ride in his Rolls Royce to the Imperial Outhouse. And then he had to laugh when he thought about those 20 destitute former students of his who now shoveled the palace garbage. . . .

—But then a cold draft suddenly aroused him from his reverie. His toe had inadvertently knocked the stopper out of the tub and now cool air rather than warm water sloshed around him. With a sigh he grabbed his towel and realized that he had better get on with making out his H1 blue slip list.

Smartell Releases Short Assignment

Professor Smartell remembered his own lecture on promptness and approached the stairs by Appolo in a dead heat. He was not, however, misusing the theory of least work sufficiently to come to an effortless stop. "Where are you going?" he said to William Mellowbut. "To class," said William, while in time, 't' he executed a perfect 2-foot radius curve, complete with super elevation and spiral easement.

Smartell's eyes became cold as little rivets as he thrust out his chin and followed his vandyke through the door. At the appearance of the first hair pandemonium within became respectful dignity except for Mr. Shank who was brushing off his frictionless bearing. Behind the desk, Smartell measured with his experienced eye a path of least resistance and moved along it with simple harmonic motion.

Professor Smartell smiled. The class grinned. Professor Smartell applied secondary stresses to his eyebrows. The class followed suit. Smartell was about to speak.

"Strictly speaking" enunciated the professor in tones inaudible to all, "you have had somewhat of an opportunity to digest the so-called beam, right?"

"Right" cracked Mr. Menance. "I had some Wheeler" cantilevers for breakfast" hazarded Mr. Sidewinder, "I should think they would be too heavy for structural purposes."

"In the way of a brief review," sneered Smartell, "What is the effect of the paint load?"

Mr. High triumphed, "I was thinking—when I was building houses with two-by-fours, I used to figure on using one less nail each time because the paint would sort of stick the boards together."

Not satisfied, Smartell rolled ominous eyes that finally came to rest on Mellowbut, "Mister Mellowbut."

"Did I ever show you my bridge pictures?" said William imitating an earthquake, but the bell had rung. The professor turned to his textbook, slowly turned the pages, seeming to be engaged in counting the rivets in the pictures. "For tomorrow," he purred, "the next 527 pages." (Reprinted from the Hot Rivet of 1938)

LIFE OF BATAJAHNS
(Continued from Snapper)

Grasping the fundamentals of the problem immediately, Batajahns raced to his plane and returned immediately with several small containers.

"Its lucky for you boys that somebody in this outfit has a few brains," he said modestly, as he sauntered to the fault and poured the contents of one of the packets into the opening. Immediately a 200-yard section shuddered, then released its pressure. He moved down the fault to the next segment, repeating the same procedure with "strategic-scientific" equally successful results.

"It was really quite easy," he said upon returning. "I trust you gentlemen have observed the method and are capable of carrying out similar tactics along

STRATEGIC SCIENTIFIC
(Continued from Eagleson)

which would provide an excellent excuse for removing the plant. It was then to be shipped to agents stationed at major dams and water supply plants (the Institute has, Sen. Tinney pointed out, turned out a large number of persons who are now employed as caretakers at such points), and these Caltech-trained agents would destroy American civilization from their strategic-scientific vantage point.

"strategic-scientific"

The Board of Trustees, in particular its Buildings and Grounds Committee, has also been implicated. Tomass pointed out that these gentlemen, "in spite of a rigorous mathematical background, in many cases, and evi-

dence of shrewd business sense in others," have passed the obviously padded Iceptant Appropriation religiously for the last 37 years, thus funneling some \$20,000 in the Red kitty at Caltech. Tomass also pointed out that "similar padding in the province of the Building and Grounds Committee" had amounted to the astronomical sum of 8 million dollars already, according to his information.

"strategic-scientific"

"In retrospect," he elucidated, "one cannot but be amazed that the alleged logical minds at the Institute did not see the obvious inconsistency of a group of men posing as diehard conservatives and yet appropriating funds (even though very little of them were used for this purpose) for such a socialistic, make-work, boondoggling project as periodically uprooting and replanting "strategic-scientific" this foreign weed."

Another indication of the infiltration of foreign ideologies that Tomass pointed out was that profits from the campus bookstore were returned to the Institute, where they were used in part to finance scholarships known as "red fellowships" and partly returned to the Student Communist Front (known on campus as the ASCIT, or "Associated Students for Communist International Technocracy," to finance the machinations of that body.

"strategic-scientific"

Subversive propaganda in the

form of textbooks was also located by the Committee. "A typical case," according to Senator Tinney, "was the completely biased and un-American view of history presented by 'Outlines of Historical Geology,' which is bound completely in red. "Another red-bound book, 'Principles of Sedimentation,' according to Tinney "is perhaps most insidious and even surpasses 'Mein Kampf' in brazenness" in that it describes, in detail, "methods for abrading, distorting, and covering the true, bed-rock Democratic Foundations of our Republic."

"strategic-scientific"

Tinney announced that these books would be burned along with all three volumes of Sears Physics texts ("whose only partly red covers attest to the insidiousness of their propaganda"), Noyes and Sherill's 'Chemical Principles' ("which follows the Red line even on the cover") and, for good measure, all other books bound in red.

"strategic-scientific"

Tinney also noted that one of the houses at Tech had changed to the "red, white, and blue" team too late to outwit the Committee, while a copy of "Das Kapital" was found in the Humanities Library. An item in the financial books of B&G was credited to "Hammers" and further down the page another was labeled "Sickles". Adding one and one together and then reasoning by deduction, Tomass said: "Perhaps they could use those hammers, but they certainly weren't going to use sickles on the iceplant." The requisitions were authorized by one Adm. Silversworthy, who "might prove to be the Master (sic) mind behind the whole plot" and (Continued on Deans)

South Advantage
According to Hicks The American Nation, page 224: "In the making of fertilizer the South took advantage of another natural opportunity."

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Bad start - be explicit "fathers"?

repetition of sound

Too many "we's"

tr - Rule 194, p. 6

?? meaning?

spelling!

Wrong word - you mean subtract!

Rule 194, p. 6

Bad

Too many small words - strike it out!

Not bad. Too much repetition. There are six "that's" in the last sentence alone. You use verb "dedicate" six times. More variety in the choice; your words are too simple. Try again - you are improving.

C - Professor Glumb

Change around

Bad work "gigantic" or tremendous would be better

Too many monosyllabic words

very trite sentence

Use another word

awkward

make up your mind

almost unintelligible

(trite word use "colossal" Rule 74, p. 90

ap.

ap.

—Stanford Chaparral

LIFE OF BOHNENMITTY
(Continued from Snapper)

glanced longingly at the warm sky outside. Then as the last stragglers left he turned and walked out, shoulders slumping. Scraps of conversation wafted by him.

"Well, I wasn't going to go out last . . ." "he makes a good tackle, but I'd hate to see him in the backfield . . ." "the hell you say, he can pass can't he . . ."

Professor Bohnenmitty squared his shoulders as he passed the door, and strode forward with a light springy step.

GOLFERS EXPLODE
(Continued from Snapper)

Benton, and filed charges of violation of the Espionage Act, Federal Narcotics Act, contributing to the delinquency of a minor, and the Mann Act.

you little booze-hound.

After a hurried consultation, the PGA officials decided that this episode constituted a violation of PGA rules, and awarded the match to Hogan.

The disgruntled Tech squad, upon return, submitted the following expense account to the Athletic office for approval:

Food \$35
Lodging...Picked Up Gold Balls
—furnished by Oak Ridge
Beer \$750,000.00

Classified Ads
PAID ADVERTISEMENT
Any person who can pitch, toss, or even roll a baseball across the plate is encouraged to apply for position of pitcher on Preister's baseball team of '49. A scholarship up to \$1000 is offered for a person with such ability. For further details see Miriam in the athletic office. Hell, see Miriam anyway.

For Sale: A piano by a young lady with white oak legs and a birds' eye maple body.

Fleming Holds Odd Dance

An informal dance was held at the house last Saturday for members and friends. The evening's program was enlivened by the entertainment presented by the pledges. It consisted of a balboa demonstration. Shortly after midnight the couples started home. All agreed that the dance was the high spot in the interhouse social schedule.

Dabney Holds Droll Dance

An informal dance was held at the house last Saturday for members and friends. The evening's program was enlivened by the entertainment presented by the pledges. It consisted of a balboa demonstration. Shortly after midnight the couples started home. All agreed that the dance was the high spot in the interhouse social schedule.

Ricketts Has Weird Dance

An informal dance was held at the house last Saturday for members and friends. The evening's program was enlivened by the entertainment presented by the pledges. It consisted of a balboa demonstration. Shortly after midnight the couples started home. All agreed that the dance was the high spot in the interhouse social schedule.

Throop Has Strange Dance

An informal dance was held at the house last Saturday for members and friends. The evening's program was enlivened by the entertainment presented by the pledges. It consisted of a balboa demonstration. Shortly after midnight the couples started home. All agreed that the dance was the high spot in the interhouse social schedule.

Blackor Has Queer Dance

An informal dance was held at the house last Saturday for members and friends. The evening's program was enlivened by the entertainment presented by the pledges. It consisted of a balboa demonstration. Shortly after midnight the couples started home. All agreed that the dance was the high spot in the interhouse social schedule.

They float; Wampff's Wombats.—Adv.

GENERAL THEOREM

(Continued from MacArthur)
Some detractors still doubt the validity of the theorem. They can easily be squelched by a simple demonstration. We asked one of our reporters to give us any number. He named 467,856. Trying this, we get $686-2$ or 684. But squaring 684, we find that the result is 467,856.

This is sufficient to demonstrate the general validity of this remarkable theorem. We leave you with it to amaze your friends. But you must remember to give the credit to the Caltech (Continued to Jones)

Whatsits Answers

1. A Beaver going over a log.
2. A Monkey hanging from a tree limb.
3. A Soldier and a dog passing the corner of a building.
4. A Zebra passing two port-holes close together.
5. Top view of a Mexican carrying two bowling balls.
6. A bear climbing a Eucalyptus tree.
7. A Dog looking from in back of an eight-ball.
8. Two Arabs talking behind a Camel.

FILLER
by the pledges. It consisted of a

Buffalo School Spirit

At the last Board of Directors meeting, a breath of good cheer warmed the officers hearts as they listened to Stan Boicourt read a communique from the University of Buffalo Salt and Pepper Club, for at last they realized that at least one other college lacks depth in the School Spirit Department.

Who put the overalls
The University cheerleaders let it be known that they were "no mean exception" in not having a die-for-Alma-Mater student body. They suggested that the main factor was too many students attending college for merely academic reasons.

The Caltech Board was asked for dope on the means used here to correct the situation "if it existed." It was also hoped that we could give them new ideas for some keen cheers.

In Mrs. Murphy's chowder?
Promptly rushing to the aid of institutions less fortunate than Tech, our generous Board hastened to bolster the tottering University of Buffalo student organization with the following suggestions:

"Big Dick," of course.

1. Lecture courses in enthusiasm. Dick Alexander in nearby Schenectady would be available as visiting professor.

2. Lab courses in yelling. A small, tightly-disciplined, leather-lunged contingent can do wonders at football games, elections, or other riots.

3. An Annual Niagara Falls Diving Contest. All survivors could become honorary members of the Salt and Pepper Club. Thousands of swimmers and Eschner-like exhibitionists would be attracted to the University.

4. Summer training courses at the Texas College of Mines. Those applied-geologists who invaded the dormitories in a nearby girls' college clad in towels, only to have the girls scream for more must really have the word. Tech men have been doing this on a smaller scale for years; and we only have the reputation of egocentric barbarians.

STRATEGIC SCIENTIFIC

(Continued from Michael)
who "certainly appears to have tieup with several Red Greenhouses" according to Tinney. The congressmen promise "a full scale investigation" but have recommended the following "preventative measures" to stem the Crimson tide and "cleanse the Institute of anarchists, agitators, and Wallacemen":

"strategic-scientific"
Some alteration of curriculum with the elimination of textbooks on the prescribed list and inclusion of courses in Horticulture and "Development of the Republican Party" are indicated. Red is verboten. Stoplights will have "go" signals only.

Iceplant is to be burned and buddy poppies will be planted in the space it occupies.

Commenting upon the revelations of these two august Representatives of the People, Sir Isaac Newton, Assistant to President drawBridge, made the following statement:

"strategic-scientific"
"It appears that some persons are leaving the Institute this week end. I expect that the attendance at next Monday's classes will give a pretty fair index of the extent to which this plot is real; we cannot but wait and see, confident that the ideal of scientific-strategic (note the difference in emphasis) Caltech will emerge Triumphant."

*American Youth for Drinking SPARES

- "strategic-scientific"
- "strategic-scientific"
- "strategic-scientific"
- "strategic-scientific"
- "strategic-scientific"
- "strategic-scientific"

Wallace Does Not Win Tech Poll

Contrary to rumors heard about campus, the returns of the California Tech's presidential poll did not show a Wallace majority. The reason for the delay in publication has been that the counting of ballots was entrusted to the efficient Caltech B&G division and therefore is still in progress.

However, members of the staff have made a hurried computation of some of the most pertinent data, as follows:

Harold Stassen scored a resounding victory in the Caltech Preferential Primary, gaining a plurality by taking 40% of the total vote cast, while his next closest competitors, Dwight Eisenhower and Arthur Vandenberg, each obtained only 12%. Of the names submitted to the voters, General MacArthur trailed with only one first place vote. Gov. Dwight Green of Illinois received one write-in vote to tie the general.

Opinions were quite violent judging from the remarks on some ballots. These showed a strong sentiment in favor of retaining General MacArthur in Japan, if not farther away. Several like opinions were voiced concerning Mr. Wallace.

An interesting breakdown was also made by eliminating Mr. Eisenhower and Mr. Vandenberg, both of whom have repeatedly stated that they were not available for the nomination, and substituting the next choice of such voters. In this breakdown, Stassen polled a majority—53% of the vote. Earl Warren vote of 13%.

A total of 322 votes were cast, 289 on campus, 33 from off-campus men.

First choice: (322)

Harold Stassen	129
Dwight Eisenhower	40
Arthur Vandenberg	39
Earl Warren	28
Henry Wallace	28
Thomas Dewey	23
Harry Truman	16
Robert A. Taft	14
Joseph Martin	2
Dwight Green	1
Douglas MacArthur	1
(unqualified)	1

Off Campus (33)

Stassen	13
Eisenhower	2
Vandenberg	2
Warren	4
Wallace	8
Dewey	4
Truman	0
Taft	1
Martin	0
Green	0
MacArthur	0

Blackor (69)

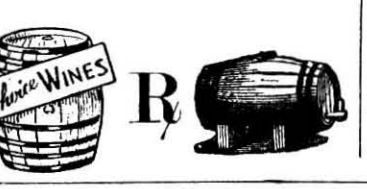
Stassen	30
Eisenhower	11
Vandenberg	11
Warren	2
Wallace	2

At your neighborhood Grocer's: Wampff's Wombats.—Adv.

GENERAL THEOREM

(Continued from Watson)
Math department.

- Exercises**
1. Check all the results above.
 2. Try this method on 7,921. Check your answer.
 3. Find the square root of 257,049. Check your answer.
 4. Prove the above theorem.



SPARE PARTS . . .

- How did you do in the GeWA, Mac?
- How did you do in the McCreery, Roomie?
- How did you do in the Soph Math, Mac?
- How did you do in the Frosh Math, Mac?
- How did you do in the Optics, Joe?
- How did you do in the Petrography, Horst?

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Dewey	5
Truman	4
Taft	3
Martin	1
Green	0
MacArthur	0

Dabney (85)

Stassen	41
Eisenhower	8
Vandenberg	8
Warren	8
Wallace	4
Dewey	9
Truman	2
Taft	4
Martin	1
Green	0
MacArthur	0

Fleming (55)

Stassen	18
Eisenhower	8
Vandenberg	5
Warren	7
Wallace	12
Dewey	1
Truman	3
Taft	3
Martin	0
Green	0
MacArthur	0
(unqualified)	1

Ricketts (78)

Stassen	27
Eisenhower	11
Vandenberg	11
Warren	10
Wallace	2
Dewey	4
Truman	3
Taft	3
Martin	1
Green	0
MacArthur	1

First Choice less Vandenberg and Eisenhower (313)

Stassen	168
Warren	39
Dewey	30
Wallace	28
Truman	25
Taft	17
Martin	3
MacArthur	3
Green	1

As is indicated by the above figures, Dabney, the smallest house at Tech, returned the most ballots. The Darbs were strongly pro-Stassen, giving no other candidate more than one-fourth as many votes. Fleming was the most pro-Wallace, although the third party candidate polled a large percentage of the off-campus vote. This vote is probably not representative, however, representing less than one-tenth of the off-campus registration.

In connection with the balloting, it is interesting to note that the poll was taken before the Stassen-Dewey debate, and to speculate on what changes might have shown up as a result of the sides taken on this question by the candidates.

Of those voting, the following breakdown was possible:
260, or 81%, would vote for a Republican candidate first; 25, or

8%, would vote for Mr. Truman, the Democratic candidate.

28, or 11%, would favor the third party candidate.

In making these calculations, Gen. Eisenhower was assumed to be a Republican, although there is some talk of his nomination on the Democratic ticket.

A final breakdown has been completed at this time. Scoring five points for a first place vote, 4 for second, 3 for third, 2 for fourth, and 1 for fifth, "popularity totals" were obtained. The results: (1615, for 323 first place votes, is possible high).

Stassen	1204
Vandenberg	688
Warren	629
Dewey	551
Eisenhower	520
Truman	382
Taft	354
Martin	181
Wallace	167
Hawthorne	82
MacArthur	43

A notable facet of this breakdown is that Wallace men have apparently been unable to convince many of the rest of the students that their candidate would be a good "second choice"

Wallace Does Not Win Tech Poll

Contrary to rumors heard about campus, the returns of the California Tech's presidential poll did not show a Wallace majority. The reason for the delay in publication has been that the counting of ballots was entrusted to the efficient Caltech B&G division and therefore is still in progress.

However, members of the staff have made a hurried computation of some of the most pertinent data, as follows:

Harold Stassen scored a resounding victory in the Caltech Preferential Primary, gaining a plurality by taking 40% of the total vote cast, while his next closest competitors, Dwight Eisenhower and Arthur Vandenberg, each obtained only 12%. Of the names submitted to the voters, General MacArthur trailed with only one first place vote. Gov. Dwight Green of Illinois received one write-in vote to tie the general.

Opinions were quite violent judging from the remarks on some ballots. These showed a strong sentiment in favor of retaining General MacArthur in Japan, if not farther away. Several like opinions were voiced concerning Mr. Wallace.

An interesting breakdown was also made by eliminating Mr. Eisenhower and Mr. Vandenberg, both of whom have repeatedly stated that they were not available for the nomination, and substituting the next choice of such voters. In this breakdown, Stassen polled a majority—53% of the vote. Earl Warren vote of 13%.

A total of 322 votes were cast, 289 on campus, 33 from off-campus men.

First choice: (322)

Harold Stassen	129
Dwight Eisenhower	40
Arthur Vandenberg	39
Earl Warren	28
Henry Wallace	28
Thomas Dewey	23
Harry Truman	16
Robert A. Taft	14
Joseph Martin	2
Dwight Green	1
Douglas MacArthur	1
(unqualified)	1

Off Campus (33)

Stassen	13
Eisenhower	2
Vandenberg	2
Warren	4
Wallace	8
Dewey	4
Truman	0
Taft	1
Martin	0
Green	0
MacArthur	0

Blackor (69)

Stassen	30
Eisenhower	11
Vandenberg	11
Warren	2
Wallace	2

At your neighborhood Grocer's: Wampff's Wombats.—Adv.

GENERAL THEOREM

(Continued from MacMinn)

Anyone who can decipher the Professor's accent is requested to aid the faculty in this matter.

Dirty Work

There has been some talk from the grad students that the discovery was made by one of their number who was told by the faculty that he'd better forget all about it. This is probably not true however, since a similar story has been circulated that an undergraduate was the initial discoverer, writing the equation as his answer in a blue book. The math department refuses to comment on this story.

Hot Scoop

Although the math department was not going to announce this discovery for several months, the staff of this paper have obtained a copy of the report they plan to present at the meeting in September. This copy was obtained by the simple process of getting Dr. Dilprice drunk and letting him talk freely.

Square Roots

The theorem concerns the extracting of square roots of integers. The theorem states:
"If N is an integer expressed in the decimal system of notation, and N' is the number obtained by deleting all digits corresponding to 10 to an odd power, N'-2 is the square root of N".

Proof Difficult

The proof of this theorem is quite difficult and very long, involving as it does a great deal of sophomore math and a little vector analysis (the hand of H. Lass can be seen here).

Results

The results of the theorem can however be demonstrated quite easily. Take for example the

number 4, here we merely subtract 2, giving 2. The number 16 shows the results also, here we get 6-2 or 4, the square root of 16.

The number 49 also checks, but when we reach 81, the square of 9, we run into difficulty. Here, n' equals 1 and n'-2 gives -1. But if we agree to calculate this number by adding 10 to negative numbers the theorem still holds.

Bigger Numbers

However, these are all small numbers. What about the larger ones? These still work. For instance, if we pick 144, then n' equals 14, and the square root is n'-2, or 12. Checking with 14 squared, or 196, shows that it works even in this range of numbers.

Thousands, yet

Let us pick a number in the thousands now. Trying 1369, we see that n' equals 39, and thus root n is 37; a check shows this to be true. If we let n be 4761, we have for n' 71. Then n'-2 will be 69. We have only to note that 69 squared is 4761 to show the power of the theorem.

Picking another number at random, we try n equal to 134,689. Then n' will be 369 and n'-2 will be 367. The student may easily check this to see that 367 squared is 134,689.

Works Every Time

Let us try it on two more numbers which are fairly close together. Say 252,004 and 254,016. Here the 'n will be 504 and 506 respectively, giving 502 and 504 as the roots of the above two numbers. This may be checked easily by squaring 502 and 504 by hand.

(Continued on Watson)

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